

Supply Chain Traceability

Dairy

This document contains all existing information included in the Red Meat Supply Chain Committee; Dairy Supply Chain Model available online at rmscc.org. The contents of this document are specific to the information flows as they occur throughout all aspects of the dairy supply chain including Critical Tracking Events, Key Data Elements, Physical Inputs and Outputs as well as information relating to regulatory bodies and programs as well as traceability scenarios.

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1 Document Overview

This document is a printable version of the interactive Dairy Supply Chain Model which can be found at <u>https://www.rmscc.org/supplychain.asp</u>. Supply Chain Traceability – Dairy provides detailed information on the traceability in both the Australian domestic and export sectors of the supply chain including:

- An overview Red Meat Supply Chain Committee (RMSCC)
- An overview of the Australian dairy industry
- An introduction to supply chain traceability, Critical Tracking Events (CTEs) and Key Data Elements (KDEs)
- Descriptions of each stage of the dairy supply chain, as well as visual diagrams, details of the physical and information inputs and outputs associated with each stage, key regulatory and industry programs, and detailed examples of supply chain traceability at each stage.

For more information regarding the RMSCC and related traceability projects, please visit https://www.rmscc.org/.

1.1 **Document Version Control**

Version	Date	Summary of Changes	Contributors
0.1	01/03/2022	Transcription of RMSCC webpages into document (sections	Paige Mazoudier
		2,3,5.2,6).	Des Bowler
		• Writing of sections 2, 3, 4, 5.1.	
		Approval of final draft layout.	
0.2	08/03/2022	Addition of Traceability Statements to subsections of 5.2.	Paige Mazoudier
		Addition of Critical Tracking Events, section 5.3.	
0.3	20/04/2022	Addition of Data Flow Diagrams to subsections of 5.2	Paige Mazoudier
0.4	01/07/2022	Document review	Paige Mazoudier
0.5	25/07/2022	Document review	Paige Mazoudier

2 Introduction to the RMSCC

The Red Meat Supply Chain Committee (RMSCC) is an industry-government steering committee focused on improving the information systems and processes that link or supply chain together.

The committees' activities include the codification of existing systems employed by business across the supply chain that identify and capture data. This area of focus is referred to as 'Supply Chain Information Standards'.

The goal of these activities is to provide an open, consist of language that each sector of the industry can use to communicate with each other.

The role of the RMSCC is to:

- Provide a path for reporting to the AMILSC on industry program and project activities related to information standards along the red meat supply chain.
- Provide a path for communication back to government and industry bodies on relevant supply chain information standards, projects, programs, and related activities.
- Provide harmonisation, coordination, and governance support to programs and projects on a voluntary basis. Support is provided only to those programs and projects that request them and only where the programs and projects activities relate to information standards along the red meat supply chain.

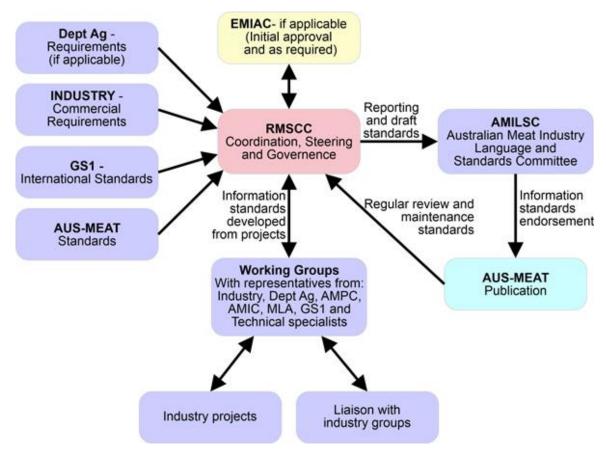


Figure 1. Red meat supply chain structure with respect to the publishing of industry standards.

3 The Dairy Supply Chain

Supply Chain traceability and integrity have become the leading topics that underpin consumers, trading partners, and governments trust in Australia's 'clean and green' status.

With the release of the National Traceability Framework in 2019, the Australian Government have acknowledged that improvements to Australia's product integrity and traceability cannot solely come from government regulation.

There have been a growing number of supply chain standards specific to the red meat and other food industries which have been imposed on industry by customers, key retailers, and global brands (e.g., BCR, McDonalds, Woolworths, Coles, Burger King, Costco). As a result, Australia's dairy supply chain is complex and understanding the regulatory and commercial requirements at each link in the chain is difficult to producers, processors, and retailers alike.

The term 'supply chain' is generally defined from a research or review perspective, viewing the supply chain collectively as system plus input and output. In the case of dairy production and processing, this covers everything from the breeding of dairy livestock through to dairy products being bought or served to a consumer.

The importance of the supply chain and its 'links' is in ensuring customers and consumers of the product's integrity, security, and traceability. Despite these terms having their own specific meaning, each are commonly used interchangeably. At a basic consumer level, we are considering if the Organic, Salt Reduced Mozzarella from South-East Victoria advertised on the cheese platter menu for \$29.90 is exactly what it is advertised.

The RMSCC has taken this view of the final consumer and worked to map out the information-related requirements at each link in the chain that would deliver it. What has been created is a detailed map of Australia's livestock product supply chains.

The supply chains captured by the RMSCC include:

- Beef Supply Chain Model
- Small Stock (sheep, veal, and goat) Supply Chain Model
- Dairy Supply Chain Model

This document specifically refers to the Dairy Supply Chain Model. For information regarding other supply chains please visit rmscc.org to download or view the interactive supply chain models.

4 Traceability in the Dairy Supply Chain

4.1 What is traceability and its purpose?

As defined by the European Commission, traceability is 'the ability to trace and follow a food, feed, foodproducing animal or substance intended to be, or expected to be incorporated into a food or feed, through all stages of production, processing and distribution'. This is important for food and health and safety reasons, and requires that each animal, food, or substance can be traced back through all stages of production and processing. The systematic and logical management of information, and product identification will allow unsafe foods to be effectively and efficiently removed from the marketplace where required (EUR-Lex, 2002). In addition, there is increasing demand from consumers along the food supply chain for greater transparency of food products in relation to production, quality, health, ethics, and welfare as well as authenticity and sustainability of food and its sources. To enable this, each item is required to be adequately labelled and be accompanied by the relevant documentation in accordance with rules and regulations stipulated by exporting and importing countries (The Traceability Working Group., 2019). All food and food movements can be traced one step forwards and one step backwards at any point in the supply chain (Food Standards Australia & New Zealand., 2021).

Traceability can be broken down into two components:

- Internal traceability processes within an organisation link the identities of raw products to those of finished goods, with each new product having a Unique Product Identifier. This linkage is maintained between each product and its original ingredients. Each item produced within a batch is identified by a Lot Number which is maintained on the product until its depletion. This include where products are packaged within larger units.
- 2) External traceability each traceability partner or product handler/recipient along the supply chain can effectively trace each product back to its direct source and recipient. Here, not every member of the supply chain will have access to the entirety of the products traceability information but rather this data exists within the larger traceability system and will be available where required (Zhang & Bhatt, 2014).

4.2 What does traceability in the global dairy supply chain look like?

Traceability throughout the dairy supply chain is integral to maintaining food safety and quality assurance. This allows the protection of Australia's reputation for producing clean, safe, and natural product, underpinning its standards for a high level of product integrity and international product demand.

An effective traceability system across a supply chain will include:

- The traceability of any item one step forward and one step backward at any point in the supply chain using a globally unique identifier
- The implementation and strict adherence to traceability processes and systems by all participants within the supply chain
- All necessary linkages between inputs and outputs of internal traceability systems are maintained (Zhang & Bhatt, 2014).

Food Standards Australia & New Zealand. (2021) mandates that all levels of the supply chain have an adequate food safety and traceability program in place which allows the identification and tracing of finished products all the way back to the raw materials. Specific records must be kept including ingredient details, batch numbers, production codes, quantity produced, equipment used and other relevant information. Commercial web-based systems may be in place in some supply chains which help to facilitate the tracing and transfer of dairy product data throughout the supply chain and assist in the rapid recall and withdrawal of product from the market where

necessary. To assist in the development of appropriate identification and traceability systems by supply chain partners, GS1 has provided a common format for the capturing and sharing of this key data along the dairy supply chain. Refer to the GS1 organisation in your country for details on the GS1 standards. This information assists regulatory authorities with the authenticity, verification, and traceability of dairy products. The GS1 barcoding standards do not replace existing regulatory requirements, they assist and supplement these requirements.

In an effort to improve food safety and traceability, the United States Food and Drug Administration (FDA) requires additional record keeping requirements (in addition to those existing within current regulations) for persons who manufacture, process, pack, or hold foods on the Food Traceability List (FTL). While these requirements only apply to those items on the FTL, the standards are designed to be implemented within all FDA-regulated supply chains. These additional records include the capturing of Key Data Elements (KDEs) and associated Critical Tracking Events (CTEs).

4.3 What are Critical Tracking Events?

Critical Tracking Events (CTEs) are activities in the supply chain that should be documented by the capture of key information (Key Data Elements i.e., KDEs) for each event to accurately trace product movement up or down the supply chain. In short, CTEs are those events whereby product is transported between premises, transformed into new products or depleted. Each of these CTE events involve inputs and outputs and thus subcategories can be created. These CTE categories and subcategories are defined in Figure 2 below.

CRITICAL TRACKING EVENT DEFINITIONS							
TRANSFORMATION-TYPE EVENTS events that typically support internal traceability within the four walls of a	TRANSFORMATION (T1) INPUT	An event where one or more materials are used to produce a traceable product that enters the supply chain. (NOTE: Materials used to produce products for immediate consumption by consumers are reported as Consumption events)					
supply chain company	TRANSFORMATION (T2) OUTPUT	An event where a created traceable product is packaged and labeled for entry into the supply chain.					
TRANSPORTATION-TYPE EVENTS events that typically support external	SHIPPING (S) EVENT	An event where traceable product is dispatched from a defined location to another defined location					
traceability between supply chain companies	RECEIVING (R) EVENT	An event where traceable product is received at a defined location from another defined location.					
DEPLETION-TYPE EVENTS	CONSUMPTION (C) EVENT	An event where a traceable product becomes available to consumers (Point-of-Sale or Prepared).					
events that capture how traceable product is removed from the supply chain	DISPOSAL (D) EVENT	An event where a traceable product is destroyed or discarded or otherwise handled in a manner that the product can no longer be used as a food ingredient or become available to consumers.					



Figure 3 below shows the common supply chain segments which incur Critical Tracking Event (CTE) processes. It is important to note the segments may change depending on the structure of the company, and its individual supply chain as well as the specific product output.



Figure 3. Common Dairy Supply Chain segments with associated Critical Tracking Events (CTEs). Source: GS1 Australia. (2021).

Certain documents within the dairy supply chain, particularly paper documents, will hold the key information of KDE associated with the traceability of the item at each CTE. These may include documents such as Delivery Dockets, Receipts of Purchase, Product Labels, and other regulated documents that are transported with products as they move throughout the internal and external traceability systems of the supply chain. Where data is transferred electronically, the electronic system is considered the CTE related documentation.

4.4 What are Key Data Elements?

GS1 defines Key Data Elements (KDEs) as data elements associated with each critical tracking event which provide:

- 1) Essential information about time and place of the event, the party reporting the event, and the identification of the product involved; and
- 2) Related essential information about the transformation, transportation, or depletion from the supply chain of a traceable product.

KDEs associated with each Critical Tracking Event should allow the following five **W**'s to be determined:

- Who performed the activity,
- What product was involved,
- When was it done,
- Where was it done,
- Why the event is reported.

Some key data elements are more essential than others for understanding the event. Required KDEs are consistently essential when reporting an event, such as event owner, location, and date and time, while other elements are best practice or conditional KDEs, depending on event circumstances or if data values are available for capture. The following KDEs for each CTE included in the dairy supply chain are shown in Figure 4 below.

Koy Data Element	Tran	sport	Transfo	rmation	Depletion		
Key Data Element	Shipping	Receiving	Input	Output	Consumption	Disposal	
Event Type	R	R	R	R	R	R	
Event Owner	R	R	R	R	R	R	
Date	R	R	R	R	R	R	
Time	R	R	R	R	R	R	
Event Location	R	R	R	R	R	R	
Item ID Type	R	R	R	R	R	R	
Item ID	R	R	R	R	R	R	
Batch/Lot/Serial#	BP*	BP	R	R	BP	BP	
Quantity	R	R	R	R	R	R	
Unit of Measure	R	R	R	R	R	R	
Batch/Lot Relevant Date	C^	С	С	C^	BP	BP	
Activity Type	С	С	R	R			
Activity ID	С	С	R	R			
Supplier Identity	С	С	С	С			
Trading Partner Location	R	R					
R = Required Data							
C = Conditional Data; The need for this data would be determined by business circumstances;							
^ Relevant Date should be reported by Suppliers for Shipping Events and for Transformation Output events.							
BP = Best practice is to capture	e the batch/lot	number for tra	nsport and dep	pletion events	whenever pos	sible;	
however, if not feasible, Batch/Lot Belevant date or Activity ID must be provided							

however, if not feasible, Batch/Lot Relevant date or Activity ID must be provided. * Batch/lot/serial numbers should be reported by Suppliers for Shipping events.

Figure 4. Use of Key Data Elements (KDEs) in Critical Tracking Events (CTEs). Source: GS1US (2014).

5 The Dairy Supply Chain Model

5.1 Introduction

The dairy supply chain is a complex value chain involving the transformation and transfer of a number of products throughout the various stages from breeding of dairy animals, all the way through to purchase by the consumer. With this, there is an increasing requirement for the improved transparency and traceability of products and their information. Various stages of the supply chain and associated processes can be categorised into three larger sectors: the Exporting Country; International Trade; and the Importing Country. These stages can then be further divided into subcategories within these larger sectors such as Farm, Processing and National Distribution for the Exporting Country sector of the supply chain. Each stage of the supply chain involves several Critical Tracking Events which may include the receival, transformation and dispatch of product to the next stage in the supply chain. With these, the transfer of data or Key Data Elements occurs through the transfer of physical documentation or electronic data transfer (Figure 5). Additionally, each stage of the supply chain is governed by a number of regulatory and industry bodies.

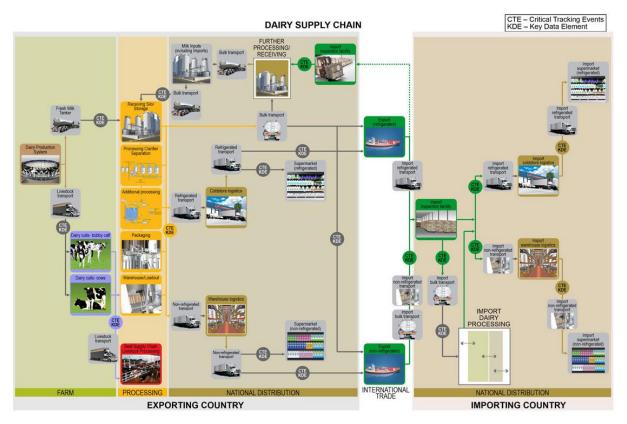


Figure 5. The global Dairy Supply Chain Model

5.2 Supply Chain Sectors

5.2.1 Exporting Country - Farm

5.2.1.1 Dairy Production System

The Australian dairy production system is one of the most diverse industries regarding methods of production, and climate with most farms being pasture-based systems. Cost efficient, sustainable, high quality milk production with continued improvement of animal health and welfare are key goals for the industry. Key outputs of a dairy production system include raw milk, bobby calves and cull cows. Cull cows and bobby calves enter the beef production system where calves are not kept as herd replacements. Specified in a contractual agreement between producer and processor, raw milk produced for human consumption must meet specific quality parameters set by processors for commercial milk production.

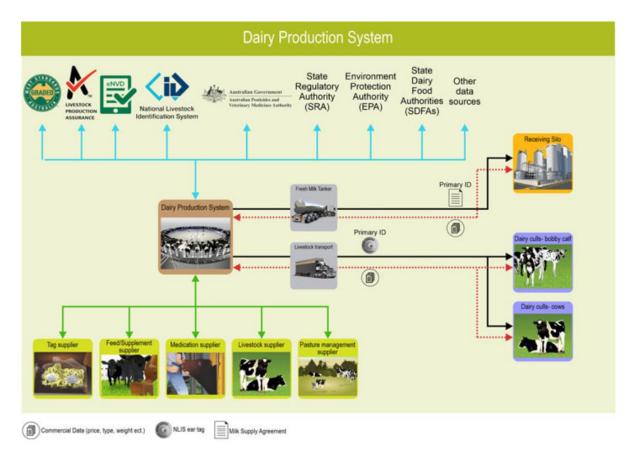


Figure 6. Inputs and outputs of the dairy supply chain dairy production system sector.

5.2.1.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Dairy Production System include the receival of:

- * Breeding cattle
- * Output Payments
- * Fertiliser and chemicals
- * Feed supplies and supplements
- * NLIS/Animal ID tags
- * Veterinary drugs or other health treatments.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Breeding cattle	These are animals (bulls, cows/heifers) which have reached the appropriate age for breeding. Animals may be from a self- replacing herd or sourced from a seedstock breeder.	NLIS Movement Update, NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	
Output Payments	These are payments received by any stakeholder along the supply chain for the production and sale of goods i.e., milk or dairy products.	Milk Supply Agreement (MSA), Recipient Generated Tax Invoice, Milk Delivery Receipt, Certificate of Analysis (COA)	
Fertiliser and chemicals	These are chemicals or natural substances added to a production system to promote the desired growth of feed and fodder for livestock.	Delivery Docket/Manifest, Receipt of purchase/Tax Invoice, Retail product label, Safety Data Sheet (SDS)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Feed supplies and supplements	These are supplementary animal feed products such as hay or silage fodder, or mineral supplements which are provided to ensure that the production efficiency and health of livestock are maintained. This may also include clean drinking water e.g., where livestock are in transit or at saleyards.	Commodity Vendor Declaration, Delivery Docket/Manifest, Receipt of purchase/Tax Invoice, Retail product label	
NLIS/Animal ID tags	These are animal identification tags with a unique number which must be attached to animals moved off a Property Identification Code (PIC) for traceability purposes.	NLIS Movement Update	For more information visit the Integrity systems website.
Veterinary drugs or other health treatments	These may be prescribed, or non- prescribed treatments or medications given to ensure the health and wellbeing of the livestock.	Receipt of purchase/Tax Invoice, Retail product label, Veterinary prescription	For more information visit the Australian Pesticides and Veterinary Medicine Authority.

Table 1. Physical inputs and associated Critical Tracking Event related documents for a dairy production system.

5.2.1.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA)	
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), Retail product label, Safety Data Sheet (SDS)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retail product label	
Bulk milk tank/vat number	Where more than one bulk milk tank/vat exists at the point of collection, each vat is allocated an identification number and milk records made against this.	Yes	Milk Delivery Receipt	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA)	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice, Recipient Generated Tax Invoice, Retail product Iabel, Safety Data Sheet (SDS)	

Table 2. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy production system.

Contract end date	This is the date on which an agreement between two parties ends.	Yes	Milk Supply Agreement	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Milk Supply Agreement	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retail product label	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Milk Supply Agreement	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Milk Supply Agreement, National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, Recipient Generated Tax Invoice, Safety Data Sheet (SDS), State specific movement forms	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Milk Delivery Receipt	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Farm Identification number	This is the identifying code of the property/farm or supplier of milk issued by the processor under an initial Milk Supply Agreement and is used throughout the dairy	Yes	Certificate of Analysis (COA), Milk Delivery Receipt, Milk Supply Agreement, Recipient Generated Tax Invoice	

	supply process (closely linked with the Milk Supply Agreement contract number) for the identification and traceability of various outputs including milk samples. The Farm Identification number is usually identified by the milk tankers GPS coordinates on arrival at the collection site.			
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
From PIC	The Property Identification Code from/to where the livestock were, or products consigned.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Recipient Generated Tax Invoice, Retail product label, Safety Data Sheet (SDS)	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice, Recipient Generated Tax Invoice	
Milk sample barcode number	Each milk sample is labelled with a unique barcode including a combination of the suppliers unique Farm Identification number (closely linked to the Milk	Yes	Certificate of Analysis (COA)	

	Supply Agreement contract number) and the milk sample number.			
Milk sample number	Each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes.	Yes	Milk Delivery Receipt	
Milk Supply Agreement contract number	This is a unique number allocated to the Milk Supply Agreement contract by the contract administrator or processor. Once an initial contract is administered, the supplier or farm is issued a farm identification number and both the Milk Supply Agreement contract number and Farm Identification number are used for raw milk traceability purposes.	Yes	Certificate of Analysis (COA), Milk Delivery Receipt, Milk Supply Agreement, Recipient Generated Tax Invoice	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Commodity Vendor Declaration, Milk Delivery Receipt, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

]
	slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).			
National Grower Registration Number	A unique number assigned to individuals registered with the National Grower Register, an online business register for Australian growers.	Yes	Commodity Vendor Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retail product label	
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the GS1 website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Retail product label	
Prescription number	A unique certificate number issued for traceability purposes.	Yes	Veterinary prescription	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi- soft cheese.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Recipient Generated Tax Invoice, Retail product label, Safety Data Sheet (SDS)	

Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Recipient Generated Tax Invoice, Retail product label, Safety Data Sheet (SDS)	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), Retail product label	
Production time	This is the time at which raw products were collected/harvested or products manufactured/produced at a specific location (Farm ID or establishment).	Yes	Milk Delivery Receipt	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Milk Supply Agreement	

Quantity Receiver/Buyer Australian Business Number (ABN)	This amount or volume of products supplied or produced (e.g., retail items). This is an 11-digit registration number, issued by the Australian Tax Office, used to identify	Yes Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, Recipient Generated Tax Invoice Certificate of Analysis (COA), Milk Supply Agreement, Recipient Generated Tax	
	businesses.		Invoice	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Milk Supply Agreement, National Vendor Declaration - Cattle (NVD), Recipient Generated Tax Invoice	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all	Yes	Certificate of Analysis (COA)	
	cartons, pallets and shipping			

	containers for which an analysis sample represents.			
Serial Number	Encoded in the GS1 barcode, this is a code, numeric or alphanumeric, assigned to an individual instance of an item for its lifetime.	Yes	Retail product label	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Milk Supply Agreement, Receipt of purchase/Tax Invoice, Recipient Generated Tax Invoice	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Certificate of Analysis (COA), Commodity Vendor Declaration, Delivery Docket/Manifest, Milk Delivery Receipt, Milk Supply Agreement, National Vendor Declaration - Cattle (NVD), Recipient Generated Tax Invoice, Retail product label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Milk Delivery Receipt	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Milk Delivery Receipt, National Vendor Declaration - Cattle (NVD), State specific movement forms	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Milk Delivery Receipt, National Vendor Declaration - Cattle (NVD)	

Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD)	
Veterinary Registration Number	A unique number issued to veterinarians who are registered to practice, under the state legislative requirements, within the state in which they reside.	Yes	Veterinary prescription	
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Milk Delivery Receipt, Milk Supply Agreement, Recipient Generated Tax Invoice	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

5.2.1.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Dairy Production System include the movement of:

- * Bobby calves
- * Cull cows
- * Bulk raw milk

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bobby calves	These are young cattle of less than thirty days of age and weighing less	NLIS Movement Update, NVD - Bobby calves, Receipt of purchase/Tax Invoice, State specific movement forms, Bobby calf feeding schedule	

Table 3. Physical outputs and associated Critical Tracking Event related documents for a dairy production system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
	than 80kg that are typically sold for meat or raised for dairy beef.		
Cull cows	These are any unwanted livestock to be removed from the herd due to factors such as poor performance or age.	NLIS Movement Update NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	
Bulk raw milk	Raw milk produced by dairy cattle which is collected into a common container and purchased by a processor. This may be supplied from an individual or multiple dairies.	Dairy production records, Milk Delivery Receipt, Milk sample label, Milk Supply Agreement (MSA), Milk Collection Run Sheet	

5.2.1.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Animal ID	These are individual animal identifiers which may include any type of ear tag, branding, collars, or National Livestock Identification/RFID Tags etc.	Yes	Dairy production records	
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Bulk milk tank/vat number	Where more than one bulk milk tank/vat exists at the point of collection, each vat is allocated an identification number and milk records made against this.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt	

Table 4. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy production system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Milk Supply Agreement	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Milk Supply Agreement	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Milk Supply Agreement, National Vendor Declaration - Bobby Calves (NVD)	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, State specific movement forms	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Farm Identification number	This is the identifying code of the property/farm or supplier of milk issued by the processor under an initial Milk Supply Agreement and is used throughout the dairy supply process (closely linked with the Milk Supply Agreement contract number) for the identification and	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
	traceability of various outputs including milk samples. The Farm Identification number is usually identified by the milk tankers GPS coordinates on arrival at the collection site.			
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Bobby calf feeding schedule, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
From PIC	The Property Identification Code from/to where the livestock were, or products consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice	
Milk sample barcode number	Each milk sample is labelled with a unique barcode including a combination of the suppliers unique Farm Identification number (closely linked to the Milk Supply Agreement contract number) and the milk sample number.	Yes	Milk Sample Label	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Milk sample number	Each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label	
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Yes	Bobby calf feeding schedule	
Milk Supply Agreement contract number	This is a unique number allocated to the Milk Supply Agreement contract by the contract administrator or processor. Once an initial contract is administered, the supplier or farm is issued a farm identification number and both the Milk Supply Agreement contract number and Farm Identification number are used for raw milk traceability purposes.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the Integrity systems website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Production time	This is the time at which raw products were collected/harvested or products manufactured/produced at a specific location (Farm ID or establishment).	Yes	Dairy production records, Milk Delivery Receipt	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Milk Supply Agreement	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice	For more information visit the Integrity systems website.
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Milk Supply Agreement	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
	entity and may include operator or business name, address, telephone number etc.		Agreement, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Milk Supply Agreement, Receipt of purchase/Tax Invoice	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt	
Time of feeding	This is the time at which bobby calves were last fed milk or milk replacer and, combined with feeding end date, is important for ensuring the welfare of the animals during the transportation to slaughter process. All calves must be fed within 6 hours of transport and not be longer than 30 hours off feed.	Yes	Bobby calf feeding schedule	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), State specific movement forms	
Transport trailer number	This is the unique number allocated to the transport vehicle or trailer for identification purposes.	Yes	Milk Collection Run Sheet	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

- 5.2.1.1.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * eNVD
- * Livestock Production Assurance (LPA)
- * National Livestock Identification System (NLIS)
- * Meat Standards Australia (MSA)
- * Australian Pesticide and Veterinary Authority (APVMA)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Other data sources

5.2.1.1.6 Supply Chain Node Traceability

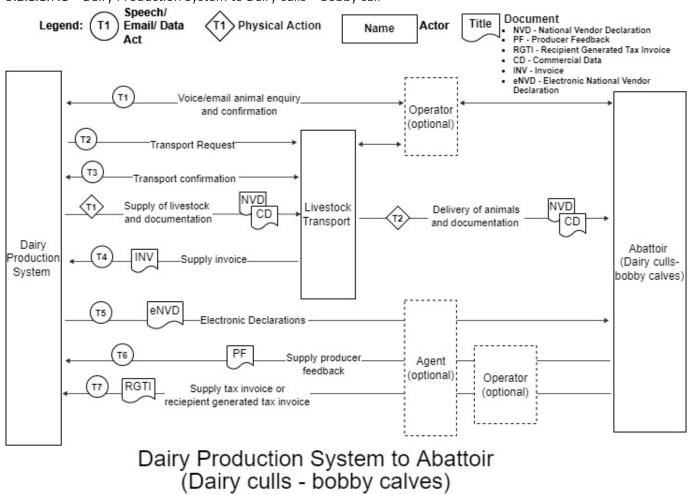
The National Livestock Identification System (NLIS) is the Australian livestock traceability program which is administered by Integrity Systems Company (ISC). Where stipulated by State legislation and certain export markets, the NLIS system requires all animals bought, sold, and moved along the supply chain to be tagged with an accredited NLIS ID tag. In some states, these tags require only the visual display of the Property Identification Code (PIC), while other states require each tag to have an individualised NLIS tag number or Radio Frequency Identifier (RFID) for the traceability of the animal throughout its lifetime. Every property which holds livestock must have a Property Identification Code (PIC) to which the livestock are assigned in the NLIS Database. Each time livestock are transferred between PICs within Australia they must be accompanied by a livestock movement declaration, such as the National Vendor Declaration (NVD) form. This document typically outlines the transporter details, compliance with intended market specifications, withholding periods, and the details of the new property PIC. All livestock movements between PICs require an NLIS movement update to be made by either or both the consigner and receiver. Where NLIS ID tags are lost livestock must be issued with a new postbreeder tag if not on the PIC of birth and this reconciled in the NLIS Database.

Milk is transported from the Dairy Production System by a Fresh Milk Tanker, with one tanker carrying milk from one or multiple Dairy Production Systems. Farms contributing to individual tanker loads of milk are identified on CTE documentation by a Farm Identification Number. On arrival at the processor, information from all contributing production systems is transferred to the receiving silo and recorded against the batched load or lot number along with the date and time for identification.

5.2.1.1.7 Data flow diagrams

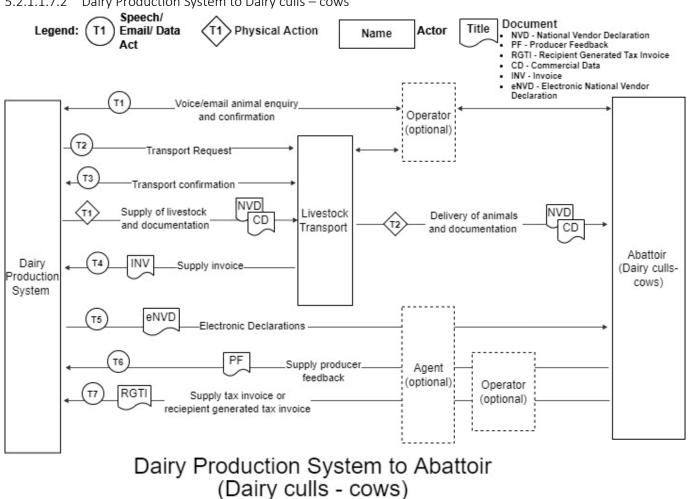
Direction	Description
Output	Dairy Production System to Dairy culls – bobby calf
Output	Dairy Production System to Dairy culls – cows
Output	Receiving Silo/Storage

Table 5. Data flow diagrams for the inputs and outputs of a dairy production system.



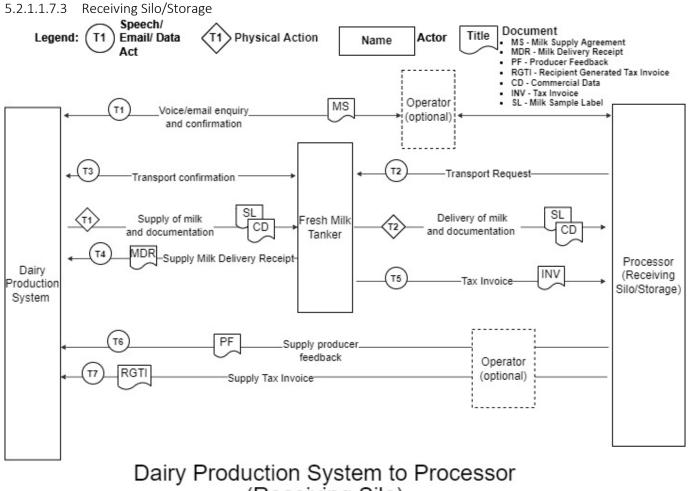
5.2.1.1.7.1 Dairy Production System to Dairy culls – bobby calf

Figure 7. Data or information flows from the Dairy Production System to Abattoir (Dairy culls – Bobby calves) systems in the dairy supply chain.



5.2.1.1.7.2 Dairy Production System to Dairy culls - cows

Figure 8. Data or information flows from the Dairy Production System to Abattoir (Dairy culls – Cull cows) systems in the dairy supply chain.



(Receiving Silo)

Figure 9. Data or information flows from the Dairy Production System to Processor (Receiving Silo) systems in the dairy supply chain.

5.2.1.2 Dairy culls - bobby calf

High quality and high-volume milk production are the primary objectives of a dairy cattle enterprise. Lactation is the process by which milk is produced and secreted from the mammary glands in a postpartum female for the purpose of feeding young. For dairy cattle to remain in lactation and continue producing milk they must undergo a yearly pregnancy and calving cycle. Bobby calves are one output of the dairy industry and are a result of surplus calf production i.e., not kept or sold as herd replacements. These calves are defined as bovine animals less than 30 days of age and weighing under 80kg liveweight that are not with their mother. Typically, bobby calves enter the red meat supply chain being sold for veal production or raised for dairy beef.

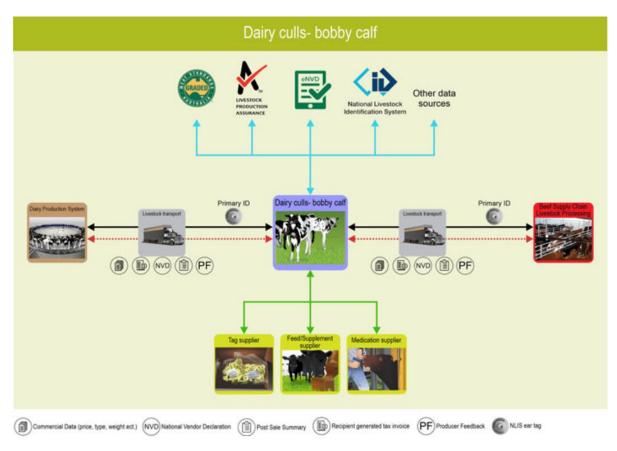


Figure 10. Inputs and outputs of the dairy supply chain dairy culls-bobby calf sector.

5.2.1.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Dairy Culls - Bobby Calf system include the receival of:

- * Breeding cattle
- * Fertiliser and chemicals
- * Feed supplies and supplements
- * NLIS/Animal ID tags
- * Veterinary drugs or other health treatments
- * Fresh milk/milk replacement.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Breeding cattle	reached the appropriate age for breeding. Animals may be from a self-replacing herd or sourced from a	NLIS Movement Update, NVD - Cattle Receipt of purchase/Tax Invoice, State	
	seedstock breeder.	specific movement forms	

Table 6. Physical inputs and associated Critical Tracking Event related documents for a dairy culls-bobby calf system.

Fertiliser and	These are chemicals or natural substances added to a	Delivery Docket/Manifest,
chemicals	production system to promote the desired growth of	Receipt of purchase/Tax
	feed and fodder for livestock.	Invoice, Retail product
		label, Safety Data Sheet
		(SDS)
Feed supplies	These are supplementary animal feed products such	Commodity Vendor
and	as hay or silage fodder, or mineral supplements	Declaration, Delivery
supplements	which are provided to ensure that the production	Docket/Manifest, Receipt
	efficiency and health of livestock are maintained.	of purchase/Tax Invoice,
	This may also include clean drinking water e.g.,	Retail product label
	where livestock are in transit or at saleyards.	
NLIS/Animal ID	These are animal identification tags with a unique	NLIS Movement Update
tags	number which must be attached to animals moved	
	off a Property Identification Code (PIC) for	
	traceability purposes.	
Veterinary	These may be prescribed, or non-prescribed	Receipt of purchase/Tax
drugs or other	treatments or medications given to ensure the health	Invoice, Retail product
health	and wellbeing of the livestock.	label, Veterinary
treatments		prescription
Fresh	This is raw milk collected directly from dairy cattle or	Bobby calf feeding
milk/milk	milk replacement formula that is used as a substitute	schedule, Receipt of
replacement	for raw milk and fed to dairy or bobby calves.	purchase/Tax Invoice,
		Retail product label

5.2.1.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 7. Information inputs, Key Data Flements and	Critical Tracking Event related documentation for a dairy culls-bobby calf system.
Tuble 7. Information inputs, Key Data Elements and	entical macking Event related documentation for a daily calls bobby call system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), Retail product label, Safety Data Sheet (SDS)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retail product label	

Company/product	This is an in-house code for the	Vac	Descript of purchase /Tay	
Company/product code		Yes	Receipt of purchase/Tax	
COUE	identification of the product in the unit.		Invoice, Retail product label, Safety Data Sheet	
	unit.		(SDS)	
Contract number	This is a unique number allocated	Yes	Commodity Vendor	
	to the contract by the contract		Declaration, Delivery	
	administrator.		Docket/Manifest	
Country of origin	This includes where the product	Yes	Retail product label	
	was manufactured and the origin of			
	components if required by the			
	import conditions.			
Date	This is the date of signing or of	Yes	Commodity Vendor	
	which a record entry or transaction		Declaration, Delivery	
	was made.		Docket/Manifest,	
			National Vendor	
			Declaration - Cattle	
			(NVD), Receipt of	
			purchase/Tax Invoice,	
			Safety Data Sheet (SDS),	
			State specific movement	
- !!			forms	
Delivery	This is a unique number allocated	Yes	Delivery Docket/Manifest	
Docket/Manifest	to the docket for identification			
number	purposes.	Vee	Netional Mandau	F = = = = =
Export Slaughter	The time that must pass between	Yes	National Vendor	For more
Interval (ESI)	chemical application to livestock and their slaughter for export.		Declaration - Cattle (NVD)	information visit the
	and their staughter for export.			Integrity
				systems
				website.
Feeding end date	The date on which grazing or	Yes	Bobby calf feeding	website.
	feeding of a product ceased and is	100	schedule, National	
	usually recorded in relation to a		Vendor Declaration -	
	treatment or product that was		Cattle (NVD)	
	applied to a unit e.g., paddock,			
	animal, fodder etc.			
Feeding start date	The date on which grazing or	Yes	National Vendor	
	feeding of a product first		Declaration - Cattle (NVD)	
	commenced and is usually recorded			
	in relation to a treatment or			
	product that was applied to a unit			
	e.g., paddock, animal, fodder etc.			
From PIC	The Property Identification Code	Yes	Commodity Vendor	For more
	from/to where the livestock were,		Declaration, National	information
	or products consigned.		Vendor Declaration -	<u>visit the</u>
			Cattle (NVD), NLIS	Integrity
			Movement Update, State	<u>systems</u>
			specific movement forms	website.
Global Trade Item	Encoded on the ITF-14 or GS1, the	Yes	Commodity Vendor	For more
Number (GTIN)	GTIN is a globally unique 14-digit		Declaration, Delivery	information
	number used to identify specific		Docket/Manifest, Retail	visit the GS1
	trade items, products, or services		product label, Safety Data	<u>website.</u>
	and is linked to the product name.		Sheet (SDS)	

Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice	
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Yes	Bobby calf feeding schedule	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
National Grower Registration Number	A unique number assigned to individuals registered with the National Grower Register, an online business register for Australian growers.	Yes	Commodity Vendor Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retail product label	For more information visit the GS1 website.
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the Integrity

				<u>systems</u> <u>website.</u>
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Retail product label	For more information visit the GS1 website.
Prescription number	A unique certificate number issued for traceability purposes.	Yes	Veterinary prescription	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, Retail product label, Safety Data Sheet (SDS)	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, Retail product label, Safety Data Sheet (SDS)	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), Retail product label	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD)	

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Serial Number	Encoded in the GS1 barcode, this is a code, numeric or alphanumeric, assigned to an individual instance of an item for its lifetime.	Yes	Retail product label	For more information visit the GS1 website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Receipt of purchase/Tax Invoice	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD), Retail product label	
Time of feeding	This is the time at which bobby calves were last fed milk or milk replacer and, combined with feeding end date, is important for ensuring the welfare of the animals during the transportation to slaughter process. All calves must be fed within 6 hours of transport and not be longer than 30 hours off feed.	Yes	Bobby calf feeding schedule	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	National Vendor Declaration - Cattle (NVD), State specific movement forms	For more information visit the Integrity systems website.
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD)	
Veterinary Registration Number	A unique number issued to veterinarians who are registered to practice, under the state legislative requirements, within the state in which they reside.	Yes	Veterinary prescription	

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	Withholding Period	The time that must pass between	Yes	National Vendor	
	(WHP)	chemical application (through the		Declaration - Cattle (NVD)	
		feeding of a treated feed for			
		livestock) and the slaughter,			
		collection or harvesting of an			
		animal or commodity for human			
		consumption.			

5.2.1.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Dairy Culls - Bobby Calf system include the movement of: * Bobby calves

off the premises, or supply chain sector.

Table 8. Physical outputs and associated Critical Tracking Event related documents for a dairy culls-bobby calf system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bobby	These are young cattle of less than	NLIS Movement Update, NVD - Bobby calves,	
calves	thirty days of age and weighing less	Receipt of purchase/Tax Invoice, State specific	
	than 80kg that are typically sold for	movement forms, Bobby calf feeding schedule	
	meat or raised for dairy beef.		

5.2.1.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 9. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy culls-bobby calf system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	National Vendor Declaration - Bobby Calves (NVD)	For more information visit the Integrity systems website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice	
Dairy Licence number	State food authorities require all businesses that produce, process, store, or transport dairy products to hold a dairy licence for	Yes	National Vendor Declaration - Bobby Calves (NVD)	

	compliance with food cafety			
	compliance with food safety standards.			
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	National Vendor Declaration - Bobby Calves (NVD), Receipt of purchase/Tax Invoice, State specific movement forms	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Bobby Calves (NVD)	For more information visit the Integrity systems website.
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Bobby calf feeding schedule, National Vendor Declaration - Bobby Calves (NVD)	
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD)	
From PIC	The Property Identification Code from/to where the livestock were, or products consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice	
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Yes	Bobby calf feeding schedule	
Movement date	The date on which livestock or other products (e.g., feed, raw	Yes	National Vendor Declaration - Bobby	For more information

milk or milk products) were transported between locations.Calves (NVD), NLIS Movement Update, State specific movement formsvisit the integrity systems website.Movement timeThis is the time at which cattle were moved from the property (P(C) of origin. Diret consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).Netsonal Vendor processors by road must be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).NLIS Movement Update processors by road must be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).NLIS Movement Update processors by road must be slaughtered as priority or fed website.NUS Tag Number/RFIDAll animals transported between PiCs must have a permanent number.Yes National Livestock identification number.NLIS Movement Update Eor more information visit the integrity systems website.NVD Serial NumberThis is a unique number which identifies products (leg., products, chemical) sharing certain products or characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of products (leg., products, chemical) sharing certain products or characteristics and is used for traceability purposes. Note that multiple batches may be produced (leg., retail items).Yes National Vendor Declaration - 8obby Calves (NVD)QuantityThis an 11-digit registration taking items from another entity and may include operator or business me, address, telepho			1		1
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Time of feeding	include operator or business name, address, telephone number etc. This is the time at which bobby calves were last fed milk or milk replacer and, combined with feeding end date, is important for ensuring the welfare of the animals during the transportation to slaughter process. All calves must be fed within 6 hours of transport and not be longer than 30 hours off feed.	Yes	Bobby calf feeding schedule	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	National Vendor Declaration - Bobby Calves (NVD), State specific movement forms	For more information visit the Integrity systems website.
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Bobby Calves (NVD)	For more information visit the Integrity systems website.
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD)	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Bobby Calves (NVD)	For more information visit the Integrity systems website.

5.2.1.2.5 Regulatory and Industry Programs

- * Dairy Australia
- * eNVD
- * Livestock Production Assurance (LPA)
- * Meat Standards Australia (MSA)
- * National Livestock Identification System (NLIS)
- * Other data sources

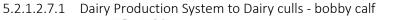
5.2.1.2.6 Supply Chain Node Traceability

The National Livestock Identification System (NLIS) is Australia's livestock traceability program which is administered by Integrity Systems Company (ISC). Where stipulated by State legislation and certain export markets, the NLIS system requires all animals bought, sold, and moved along the supply chain to be tagged with an accredited NLIS ID tag. In some states, these tags require only the visual display of the Property Identification Code (PIC), while other states require each tag to have an individualised NLIS tag number or Radio Frequency Identifier (RFID) for the traceability of the animal throughout its lifetime. Every property which holds livestock must have a Property Identification Code (PIC) to which the livestock are assigned in the NLIS Database. Each time livestock are transferred between PICs within Australia they must be accompanied by a livestock movement declaration, such as the National Vendor Declaration (NVD) form. This document typically outlines the transporter details, consignment details, compliance with intended market specifications, withholding periods, and the details of the new property PIC. All livestock movements between PICs require an NLIS movement update to be made by either or both the consigner and receiver. Where NLIS ID tags are lost livestock must be issued with a new postbreeder tag if not on the PIC of birth and this reconciled in the NLIS Database.

5.2.1.2.7 Data flow diagrams

Direction	Description
Input	Dairy Production System to Dairy culls - bobby calf
Output	Dairy culls - bobby calf to Beef Supply Chain/Livestock Processing

Table 10. Data flow diagrams for the inputs and outputs of a dairy culls-bobby calf system.



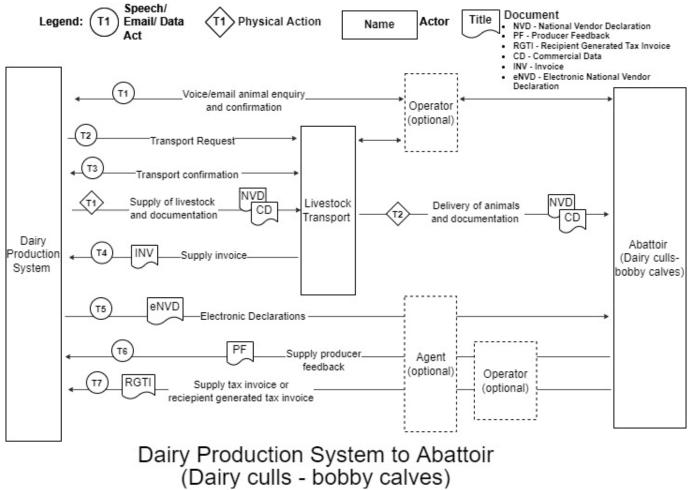
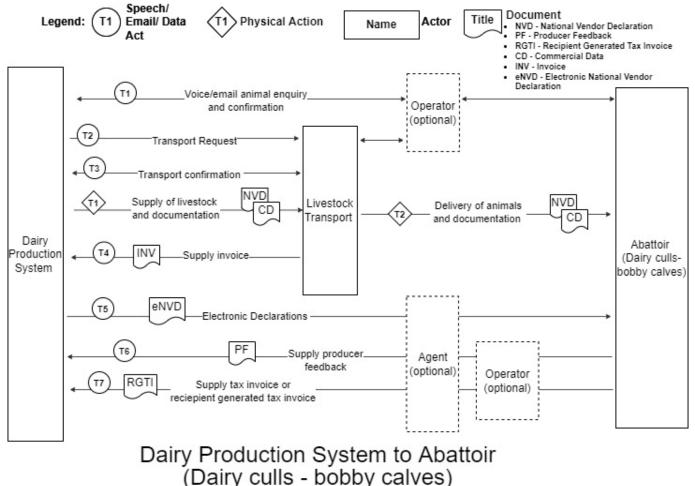


Figure 11. Data or information flows from the Dairy Production System to Abattoir (Dairy culls – Bobby calves) systems in the dairy supply chain.



5.2.1.2.7.2 Dairy culls - bobby calf to Beef Supply Chain/Livestock Processing

Figure 12. Data or information flows from the Dairy Culls (Bobby calves) to Beef Supply Chain (Livestock Processing) systems in the dairy supply chain.

5.2.1.3 Dairy culls – cows

High quality and high-volume milk production are the primary objectives of a dairy cattle enterprise. Therefore, animals must be efficient and productive milk producers, in good health and at an appropriate age. Dairy culls are any unwanted livestock that do not meet the production requirements of the system, and this may be due to factors such as genetics, poor breeding performance, poor health, or age. These animals are removed from the herd and most typically enter the red meat supply chain after being sent for processing.

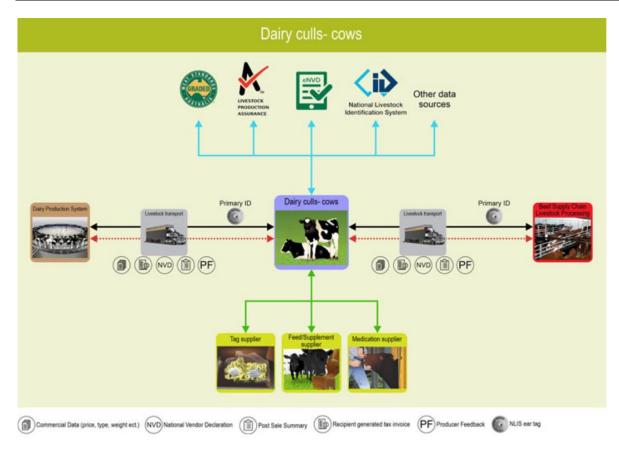


Figure 13. Inputs and outputs of the dairy supply chain dairy culls-cows sector.

5.2.1.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Dairy Culls - Cows system include the receival of:

- * Breeding cattle
- * Fertiliser and chemicals
- * Feed supplies and supplements
- * NLIS/Animal ID tags
- * Veterinary drugs or other health treatments.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Breeding cattle	These are animals (bulls, cows/heifers) which have reached the appropriate age for breeding. Animals may be from a self-replacing herd or sourced from a seedstock breeder.	NLIS Movement Update, NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	

Table 11. Physical inputs and associated Critical Tracking Event related documents for a dairy culls-cows system.

Fertiliser and chemicals	These are chemicals or natural substances added to a production system to promote the desired growth of feed and fodder for livestock.	Delivery Docket/Manifest, Receipt of purchase/Tax Invoice, Retail product Iabel, Safety Data Sheet (SDS)	
Feed supplies and supplements	These are supplementary animal feed products such as hay or silage fodder, or mineral supplements which are provided to ensure that the production efficiency and health of livestock are maintained. This may also include clean drinking water e.g., where livestock are in transit or at saleyards.	Commodity Vendor Declaration, Delivery Docket/Manifest, Receipt of purchase/Tax Invoice, Retail product label	
NLIS/Animal ID tags	These are animal identification tags with a unique number which must be attached to animals moved off a Property Identification Code (PIC) for traceability purposes.	NLIS Movement Update	For more information visit the Integrity systems website.
Veterinary drugs or other health treatments	These may be prescribed, or non-prescribed treatments or medications given to ensure the health and wellbeing of the livestock.	Receipt of purchase/Tax Invoice, Retail product Iabel, Veterinary prescription	For more information visit the Australian Pesticides and Veterinary Medicine Authority.

5.2.1.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 12. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy culls-cows system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), Retail product label, Safety Data Sheet (SDS)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is	Yes	Retail product label	

	<u>.</u>	1		
Company/product	still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations. This is an in-house code for	Yes	Receipt of purchase/Tax	
code	the identification of the product in the unit.	res	Invoice, Retail product label, Safety Data Sheet (SDS)	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retail product label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, Safety Data Sheet (SDS), State specific movement forms	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Cattle (NVD)	
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that	Yes	National Vendor Declaration - Cattle (NVD)	

	was applied to a unit e.g., paddock, animal, fodder etc.			
From PIC	The Property Identification Code from/to where the livestock were, or products consigned.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Commodity Vendor Declaration, Delivery Docket/Manifest, Retail product label, Safety Data Sheet (SDS)	For more information visit the Integrity systems website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice	
Movement date	The date on which livestock or other products (e.g. feed, raw milk or milk products) were transported between locations.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
National Grower Registration Number	A unique number assigned to individuals registered with the National Grower Register, an online business register for Australian growers.	Yes	Commodity Vendor Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retail product label	For more information visit the GS1 website.

	All animals transported	Voc	NULC Movement Lindet-	Formara
NLIS Tag	All animals transported	Yes	NLIS Movement Update	For more
Number/RFID	between PICs must have a			information
	permanent National			visit the
	Livestock Identification			<u>Integrity</u>
	System tag attached. This			<u>systems</u>
	tag has a unique animal			website.
	identification number.			
NVD Serial	Each NVD form has a unique	Yes	National Vendor	For more
Number	serial number.		Declaration - Cattle	information
			(NVD), NLIS Movement	<u>visit the</u>
			Update	Integrity
				<u>systems</u>
				website.
Order date	This is the date on which the	Yes	Delivery	
	purchase order or contract		Docket/Manifest	
	was raised by the buyer.			
Packaging Date	Encoded in the GS1 barcode,	Yes	Retail product label	For more
(YYMMDD)	the Packaging Date is the			information
	date on which the item was			visit the GS1
	packaged and is recorded in			website.
	the format year, month, day			
	(YYMMDD).			
Prescription	A unique certificate number	Yes	Veterinary prescription	
number	issued for traceability			
	purposes.			
Product class	A product class is a group of	Yes	Commodity Vendor	
	products that are		Declaration, Delivery	
	homogeneous or generally		Docket/Manifest, Retail	
	considered as substitutes for		product label, Safety	
	each other. The class is		Data Sheet (SDS)	
	considered as narrow or			
	broad depending on how			
	substitutable the various			
	products are. For example,			
	hard, soft, semi-soft cheese.			
Product name	This is a unique name that a	Yes	Commodity Vendor	
r rouuct name	business, company or	105	Declaration, Delivery	
			Docket/Manifest, Retail	
	enterprise chooses to give a			
	product created e.g., Organic		product label, Safety	
	Salt Reduced Mozzarella		Data Sheet (SDS)	
Due du chi e c	1Kg.	Vac		
Production	This is a unique number	Yes	Commodity Vendor	
batches/lot	which identifies products		Declaration, National	
numbers	(e.g., ingredients,		Vendor Declaration -	
	commodities, products,		Cattle (NVD), Retail	
	chemicals) sharing certain		product label	
	production characteristics			
	and is used for traceability			
	purposes. Note that multiple			
	batches may be produced by			
	a given unit of product e.g., a			
	milk silo.			

Purchase Order	A unique number assigned	Yes	Delivery	
number	to a purchase or order		Docket/Manifest	
	usually requested by a			
	customer and is linked to the			
	work order			
	number/production order.			
Ouentitu	This amount or volume of	Yes		
Quantity		res	Commodity Vendor	
	products supplied or		Declaration, Delivery	
	produced (e.g., retail items).		Docket/Manifest,	
			National Vendor	
			Declaration - Cattle	
			(NVD), Receipt of	
			purchase/Tax Invoice	
Receiver/Buyer	These are identifying details	Yes	Commodity Vendor	
Details	of the persons or business	100	Declaration, Delivery	
Detalls			Docket/Manifest,	
	receiving or purchasing			
	items from another entity		National Vendor	
	and may include operator or		Declaration - Cattle	
	business name, address,		(NVD)	
	telephone number etc.			
Serial Number	Encoded in the GS1 barcode,	Yes	Retail product label	For more
	this is a code, numeric or			information
	alphanumeric, assigned to			visit the GS1
	an individual instance of an			website.
	item for its lifetime.			webbite.
Supplier/Vendor	This is an 11-digit	Yes	Receipt of purchase/Tax	
	-	165		
Australian	registration number, issued		Invoice	
Business Number	by the Australian Tax Office,			
(ABN)	used to identify businesses.			
Supplier/Vendor	These are the identifying	Yes	Commodity Vendor	
Details	details of the persons or		Declaration, Delivery	
	business supplying items to		Docket/Manifest,	
	another entity and may		National Vendor	
	include operator or business		Declaration - Cattle	
	name, address, telephone		(NVD), Retail product	
	number etc.		label	
To PIC	The Property Identification	Yes		Formara
TOPIC		res	Commodity Vendor	For more
	Code from/to where the		Declaration, National	information
	livestock or products were		Vendor Declaration -	<u>visit the</u>
	consigned.		Cattle (NVD), NLIS	<u>Integrity</u>
			Movement Update,	<u>systems</u>
			State specific	website.
			movement forms	
Transport	The registration number of	Yes	National Vendor	For more
registration	the vehicle in which the		Declaration - Cattle	information
number	animals or product were		(NVD), State specific	visit the
	transported. For shipments		movement forms	Integrity
	of product this will be a			<u>systems</u>
T	shipping container number.	Nee	Dultari	website.
Transporter	These are the identifying	Yes	Delivery	For more
Details	details of the persons or		Docket/Manifest,	information
1	I descention and a descent and the second	1	National Vendor	wight the
	business transporting items to another entity and may			<u>visit the</u>

	include operator or business name, address, telephone number etc.		Declaration - Cattle (NVD)	<u>systems</u> website.
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Commodity Vendor Declaration, National Vendor Declaration - Cattle (NVD)	
Veterinary Registration Number	A unique number issued to veterinarians who are registered to practice, under the state legislative requirements, within the state in which they reside.	Yes	Veterinary prescription	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

5.2.1.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Dairy Culls - Cows system include the movement of: * Cull cows

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Cull cows	These are any unwanted livestock to be removed from the herd due to factors such as poor performance or age.	NLIS Movement Update, NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	

5.2.1.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, State specific movement forms	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
From PIC	The Property Identification Code from/to where the livestock were or products consigned.	Yes	National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice	
Movement date	The date on which livestock or other products (e.g., feed, raw	Yes	National Vendor Declaration - Cattle	For more information

		1	(1
	milk or milk products) were transported between locations.		(NVD), NLIS Movement Update, State specific movement forms, National Vendor Declaration - Cattle (NVD)	visit the Integrity systems website.
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the Integrity systems website.
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	National Vendor Declaration - Cattle (NVD)	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Cattle (NVD)	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Receipt of purchase/Tax Invoice	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Cattle (NVD)	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.

				11
Transport	The registration number of the	Yes	National Vendor	
registration number	vehicle in which the animals or		Declaration - Cattle	
	product were transported. For		(NVD), State specific	
	shipments of product this will be a		movement forms	
	shipping container number.			
Transporter Details	These are the identifying details of	Yes	National Vendor	
	the persons or business		Declaration - Cattle (NVD)	
	transporting items to another			
	entity and may include operator			
	or business name, address,			
	telephone number etc.			
Treatment date	The date on which a treatment or	Yes	National Vendor	
	product was applied to a unit e.g.,		Declaration - Cattle (NVD)	
	paddock, animal, fodder etc.			
Withholding Period	The time that must pass between	Yes	National Vendor	For more
(WHP)	chemical application (through the		Declaration - Cattle (NVD)	information
	feeding of a treated feed for			<u>visit the</u>
	livestock) and the slaughter,			Integrity
	collection or harvesting of an			<u>systems</u>
	animal or commodity for human			website.
	consumption.			

5.2.1.3.5 Regulatory and Industry Programs

- * Dairy Australia
- * eNVD
- * Livestock Production Assurance (LPA)
- * Meat Standards Australia (MSA)
- * National Livestock Identification System (NLIS)
- * Other data sources

5.2.1.3.6 Supply Chain Node Traceability

The National Livestock Identification System (NLIS) is Australia's livestock traceability program which is administered by Integrity Systems Company (ISC). Where stipulated by State legislation and certain export markets, the NLIS system requires all animals bought, sold, and moved along the supply chain to be tagged with an accredited NLIS ID tag. In some states, these tags require only the visual display of the Property Identification Code (PIC), while other states require each tag to have an individualised NLIS tag number or Radio Frequency Identifier (RFID) for the traceability of the animal throughout its lifetime. Every property which holds livestock must have a Property Identification Code (PIC) to which the livestock are assigned in the NLIS Database. Each time livestock are transferred between PICs within Australia they must be accompanied by a livestock movement declaration, such as the National Vendor Declaration (NVD) form. This document typically outlines the transporter details, consignment details, compliance with intended market specifications, withholding periods, and the details of the new property PIC. All livestock movements between PICs require an NLIS movement update to be made by either or both the consigner and receiver. Where NLIS ID tags are lost livestock must be issued with a new postbreeder tag if not on the PIC of birth and this reconciled in the NLIS Database.

5.2.1.3.7 Data flow diagrams

Direction	Description
Input	Dairy Production System to Dairy culls - cows
Output	Dairy culls - bobby calf to Beef Supply Chain/Livestock Processing

Table 15. Data flow diagrams for the inputs and outputs of a dairy culls-cows system.

5.2.1.3.7.1 Dairy Production System to Dairy culls - cows

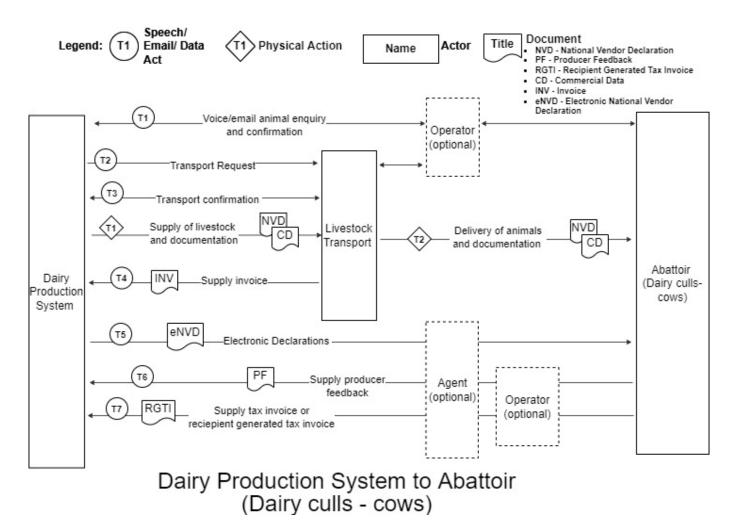


Figure 14. Data or information flows from the Dairy Production System to Dairy Culls (Cull cows) systems in the dairy supply chain.

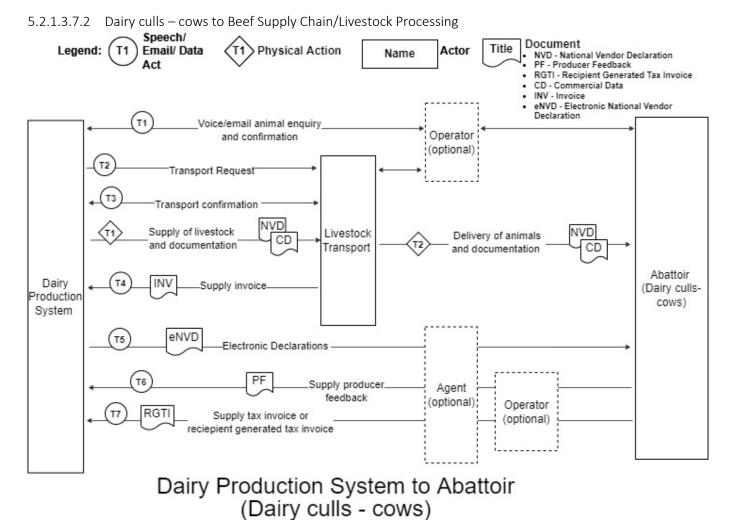


Figure 15. Data or information flows from the Dairy Culls (Cull cows) to Beef Supply Chain (Livestock Processing) systems in the dairy supply chain.

5.2.2 Exporting Country - Processing

5.2.2.1 Receiving Silo/Storage

These are bulk storage units, termed 'milk silos' where bulk raw milk delivered to the processing facility from Fresh Milk Tankers is pumped into the processing facility from receiving bays. Trucks are parked in bays and large hoses connected which allow milk to be transferred into milk silos. Milk is automatically cooled to the required temperate and held for further processing.

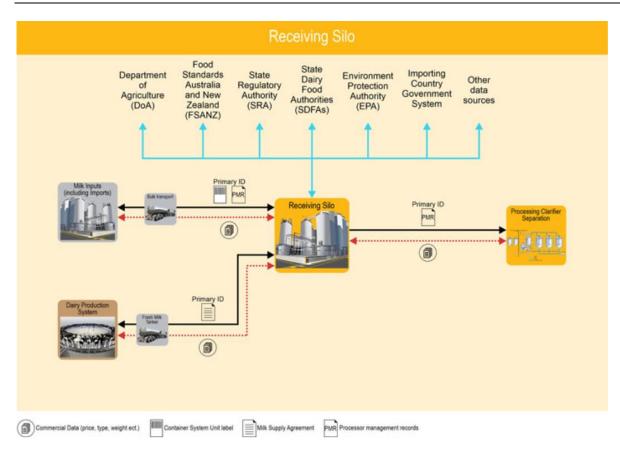


Figure 16. Inputs and outputs of the dairy supply chain receiving silo/storage sector.

5.2.2.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Receiving Silo/Storage system include the receival of:

- * Bulk raw milk
- * Milk sample
- * Container System Unit (Domestic)
- * Container System Unit (Import).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bulk raw milk	Raw milk produced by dairy cattle which is collected into a common container and purchased by a processor. This may be supplied from an	Milk Delivery Receipt, Milk sample label, Milk Supply Agreement (MSA), Milk Collection Run Sheet, Certificate of Analysis (COA), Processor management records	

Table 16. Physical inputs and associated Critical Tracking Event related documents for a dairy receiving silo/storage system.

	individual or multiple dairies.		
Milk sample	These are small quantities of milk taken from a larger batch that are tested by a laboratory for the presence of any inhibitory substances, cleaning and cooling issues, and to determine the quality attributes of the milk for payment, processing and sale purposes.	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Processor management records, Purchase Order Receipt of purchase/Tax Invoice, Transfer Declaration	
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Processor management records, Purchase Order, Imported Food Inspection Advice, Receipt of purchase/Tax Invoice	

5.2.2.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 17. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy receiving silo/storage system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Processor management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Processor management records, Transfer Declaration	
Authorised Signee Details	These are the identifying details of the persons	Yes	Importers Declaration, Processor management records	

Best Before/Use By	authorised to sign a document and may include full name, address, telephone number etc. Used on end-product	Yes	Certificate of Analysis Export,	
Date (YYMMDD)	packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.		Processor management records	
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Bulk milk tank/vat number	Where more than one bulk milk tank/vat exists at the point of collection, each vat is allocated an identification number and milk records made against this.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Processor management records	website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Processor management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Processor management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all	Yes	Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the

	importing country			Environment
	requirements have been met.			website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Processor management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Organic Goods Certificate, Processor management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Processor management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Processor management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Milk Supply Agreement, Processor management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Processor management records	

Contract start date	This is the date on which an agreement between two parties begins.	Yes	Milk Supply Agreement, Processor management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Manufacturers Declaration of Compliance, Organic Goods Certificate, Processor management records, Transfer Declaration	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Processor management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Milk Supply Agreement, Processor management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importers Declaration, Manufacturers Declaration of Compliance, Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Processor management records, Transfer Declaration	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Milk Collection Run Sheet, Milk	

			Delivery Receipt, Processor	
			management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Farm Identification number	This is the identifying code of the property/farm or supplier of milk issued by the processor under an initial Milk Supply Agreement and is used throughout the dairy supply process (closely linked with the Milk Supply Agreement contract number) for the identification and traceability of various outputs including milk samples. The Farm Identification number is usually identified by the milk tankers GPS coordinates on arrival at the collection site.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement, Processor management records	
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Manufacturers Declaration of Compliance,	For more information visit the Department of

	export) were distributed. For		Processor management records,	Agriculture,
	transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.		Transfer Declaration	Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importers Declaration, Manufacturers Declaration of Compliance, Milk Collection Run Sheet, Milk Delivery Receipt, Organic Goods Certificate, Processor management records, Purchase Order, Transfer Declaration	
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Processor management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.

Import Permit	A unique permit number is	Yes	Export Health/Government	
Number	allocated for the import		Certificate, Import Permit,	
	consignment following		Processor management records	
	submission of correct and			
	validated documentation			
	approved by the importing			
	country.			
Imported Food	A unique certificate number	Yes	Imported Food Inspection Advice,	
Inspection Advice	issued for traceability		Processor management records	
certificate number	purposes.		C C	
Invoice number	This is a unique number	Yes	Processor management records,	
	allocated to the invoice by		Receipt of purchase/Tax Invoice	
	the supplier or receiver of		• • •	
	purchased items/products for			
	payment tracking purposes.			
ISO code	A code allocated to the	Yes	Container System Unit label,	
-	container system unit by the		Processor management records	
	International Container			
	Bureau that describes length,			
	height and type of container			
	and its characteristics.			
Milk sample	Each milk sample is labelled	Yes	Certificate of Analysis (COA), Milk	
barcode number	with a unique barcode		Sample Label, Processor	
	including a combination of		management records	
	the suppliers unique Farm			
	Identification number			
	(closely linked to the Milk			
	Supply Agreement contract			
	number) and the milk sample			
	number.			
Milk sample number	Each milk sample is labelled	Yes	Milk Collection Run Sheet, Milk	
·	with a unique sample		Delivery Receipt, Milk Sample	
	number for identification		Label	
	purposes which is			
	incorporated into the Milk			
	sample barcode along with			
	the suppliers unique Farm ID			
	number or Milk Supply			
	Agreement contract number.			
	Two types of milk samples			
	are taken by the tanker			
	operator at milk collection			
	and differentiated by the			
	colour of the sample cap.			
	These include a composite			
	sample; samples from each			
	of the milk vats to identify			
	any inhibitory substances,			
	cleaning and cooling issues,			
	and a compositional sample;			
	to determine the Somatic			
	Cell Count (SCC), protein, and			
	butter fat content for quality			
	and composition purposes.			
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Mille Courselies	This is a unique acceler.	Ver	Contificate of Analysis (COA) Attil	
Milk Supply Agreement contract number Movement date	This is a unique number allocated to the Milk Supply Agreement contract by the contract administrator or processor. Once an initial contract is administered, the supplier or farm is issued a farm identification number and both the Milk Supply Agreement contract number and Farm Identification number are used for raw milk traceability purposes. The date on which livestock or other products (e.g., feed,	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement, Processor management records Bill of lading/Air Waybill, Certificate of Analysis Export,	
	raw milk or milk products) were transported between locations.		Export Health/Government Certificate, Milk Collection Run Sheet, Milk Delivery Receipt, Organic Goods Certificate, Processor management records, Transfer Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Processor management records, Transfer Declaration	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Processor management records	For more information visit the GS1 website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Processor management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Processor management records	
Product class	A product class is a group of products that are	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA),	

	homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.		Certificate of Analysis Export, Delivery Docket/Manifest, Importers Declaration, Manufacturers Declaration of Compliance, Milk Collection Run Sheet, Milk Delivery Receipt, Organic Goods Certificate, Processor management records, Purchase Order, Transfer Declaration	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importers Declaration, Manufacturers Declaration of Compliance, Milk Collection Run Sheet, Milk Delivery Receipt, Organic Goods Certificate, Processor management records, Purchase Order, Transfer Declaration	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Processor management records, Transfer Declaration	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Processor management records, Transfer Declaration	For more information visit the GS1 website.
Production time	This is the time at which raw products were collected/harvested or products manufactured/produced at a specific location (Farm ID or establishment).	Yes	Milk Delivery Receipt, Processor management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Processor management records, Purchase Order	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of	Yes	Certificate of Analysis (COA), Milk Supply Agreement, Processor management records	

	milk as well as those which			1
	milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform			
Quantity	counts. This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Organic Goods Certificate, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Milk Supply Agreement, Processor management records, Purchase Order, Transfer Declaration	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importers Declaration, Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement, Organic Goods Certificate, Processor management records, Purchase Order, Transfer Declaration	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker	Yes	Certificate of Analysis (COA), Processor management records	

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	operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an			
	analysis sample represents.			
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Silo start date	This is the date on which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo start time	This is the time at which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Manufacturers Declaration of Compliance, Milk Supply Agreement, Processor	

			management records Durchase	
			management records, Purchase	
			Order, Receipt of purchase/Tax	
Consultant/ (an alan	These are the identifiers	Maa	Invoice, Transfer Declaration	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis (COA),	
	business supplying items to		Certificate of Analysis Export,	
	another entity and may		Delivery Docket/Manifest, Export	
	include operator or business		Health/Government Certificate,	
	name, address, telephone		Importers Declaration,	
	number etc.		Manufacturers Declaration of	
			Compliance, Milk Collection Run	
			Sheet, Milk Delivery Receipt, Milk	
			Sample Label, Milk Supply	
			Agreement, Organic Goods	
			Certificate, Processor	
			management records, Purchase	
			Order, Transfer Declaration	
Supply Chain	These are the identifying	Yes	Organic Goods Certificate,	
Supplier/Vendor	details of the persons or		Processor management records	
Details	business, previous to the			
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Processor management records,	
requirements	instruction specifying the		Transfer Declaration	
	temperature requirements			
	for the goods whilst in			
	transport including storage at			
	less than -18 degrees Celsius			
	(frozen product); -5 degrees			
	or less (chilled product);			
	unrefrigerated.			
Temperature/Time	This is the temperature of	Yes	Milk Collection Run Sheet, Milk	
	milk or milk products at		Delivery Receipt, Processor	
	various stages along the		management records	
	supply chain such as milking,			
	and collection for transport			
	and is always recorded with			
	the time at which the			
	measurement was taken.			
To Establishment	A number issued by Federal	Yes	Processor management records,	For more
number	and State Authorities to		Transfer Declaration	information
	identify the receiving site of			visit the
	which milk or milk products			Department
	(intended for export) will			of
	be/were distributed to. For			Agriculture,
	transfer declarations, the			Water and
	Establishment numbers for			the
	both the dispatching and			Environment
				website.
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	receiving establishments are recorded.			
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Processor management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Milk Collection Run Sheet, Milk Delivery Receipt, Organic Goods Certificate, Processor management records	
Transport trailer number	This is the unique number allocated to the transport vehicle or trailer for identification purposes.	Yes	Milk Collection Run Sheet, Processor management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Milk Collection Run Sheet, Milk Delivery Receipt, Processor management records, Transfer Declaration	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Processor management records, Purchase Order	
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement, Processor management records	

5.2.2.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Receiving Silo/Storage system include the movement of:

* Silo raw milk

* Product additives/Milk inputs

off the premises, or supply chain sector.

Table 18. Physical outputs and associated Critical Tracking Event related documents for a dairy receiving silo/storage system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Silo raw milk	This is bulk raw milk that has been delivered to silos at the processing facility by multiple milk tankers and so may include bulk raw milk collected from multiple dairy farms and over multiple days.	Processor management records	
Product additives/Milk inputs	These are ingredients or additives used in the processing of, or to enhance the value of milk and milk products.	Processor management records, Production order, Receipt of purchase/Tax Invoice, Retail product label	

5.2.2.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 19. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy receiving silo/storage system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of	Yes	Processor management records, Production Order, Retail product label	For more information visit the Food Standards Australia and New Zealand website.

	end date to be used on			
	dairy product packaging is defined by regulations.			
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice, Retail product label	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Processor management records, Retail product label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records, Production Order, Retail product label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Processor management records, Receipt of purchase/Tax Invoice	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Processor management records, Retail product label	For more information visit the GS1 website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records, Retail product label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Processor management records, Production Order, Retail product label	

Product name	This is a unique name that	Yes	Processor management records,	
	a business, company or enterprise chooses to give a product created e.g.,		Production Order, Retail product label	
	Organic Salt Reduced Mozzarella 1Kg.			
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Processor management records, Production Order, Retail product label	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records	For more information visit the GS1 website.
Production number	A production number is a unique number assigned to a production order which is issued within a company to produce a specific quantity of products within a certain timeframe. A production order may be issued following one or multiple work orders, and its issuance triggers a number of production events.	Yes	Processor management records, Production Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice	
Serial Number	Encoded in the GS1 barcode, this is a code, numeric or alphanumeric, assigned to an individual instance of an item for its lifetime.	Yes	Processor management records, Retail product label	For more information visit the GS1 website.
Silo end date	This is the date on which the last load of bulk milk was transferred to the silo i.e., the silo was filled. All relevant records from the dairy production system e.g., Farm ID, Date,	Yes	Processor management records	

	Volume, Sample number are linked this KDE.			
Silo end time	This is the time at which the last load of bulk milk was transferred to the silo i.e., the silo was filled. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo start date	This is the date on which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo start time	This is the time at which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Processor management records, Receipt of purchase/Tax Invoice	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Processor management records, Production Order, Retail product label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Processor management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Processor management records, Production Order	

N / 1			
Volume	This is the amount of raw	Yes	Processor management records
	milk in litres required by		
	the buyer or supplied by a		
	vendor. Volumetric		
	measuring of total		
	butterfat, total protein and		
	total milk solids is		
	undertaken to determine		
	whether the volume of		
	milk supplied is over or		
	under that required by the		
	Milk Supply Agreement.		
Work order number	A unique number assigned	Yes	Processor management records,
	to a job or order usually		Production Order
	requested by a customer		
	and is linked to the		
	production number/order.		

- 5.2.2.1.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Importing Country Government System
- * Other data sources

5.2.2.1.6 Supply Chain Node Traceability

On reception at the milk processor, raw milk is clarified and separated to enhance milk quality and undergoes additional processes to increase food safety. From reception at the processor Milk Delivery Receipt information including the Farm Identification Number and Date are time stamped by a Silo Start/End Date and Start/End Time which is linked to Production Batches/Lot Numbers. This is the main KDE used for the traceability of products throughout the entire processing stage. For example, a single milk silo may hold 150, 000L of bulk raw milk and a milk tanker truck 26, 000L. Therefore, it would take approximately 6 tanker loads of milk to fill a silo. If each dairy farm produced, 13, 000L of milk, then each tanker would hold 2 farms worth of milk in a run. Thus, a milk silo would hold approximately 12 farms worth of milk at any given time. With milk from silos continuously being transferred into processing facilities and filled by milk tankers, the Silo Start/End Date and Start/End Time becomes crucial in the traceability of product through Batches/Lot Numbers. Due to the batching of bulk raw milk from one or multiple farms into first the Milk Tanker and subsequently Receiving Silo/Storage unit, It is impossible to trace product back to a single property of origin, let alone animal and is only possible to a level where several Production Systems can be identified.

Table 20. Data flow diagrams for the inputs and outputs of a dairy receiving silo/storage system.

Direction	Description
Input	Milk Inputs to Receiving Silo/Storage
Input	Dairy Production System to Receiving Silo/Storage
Output	Receiving Silo/Storage to Processing/Clarifier/Separation

5.2.2.1.7.1 Milk Inputs to Receiving Silo/Storage

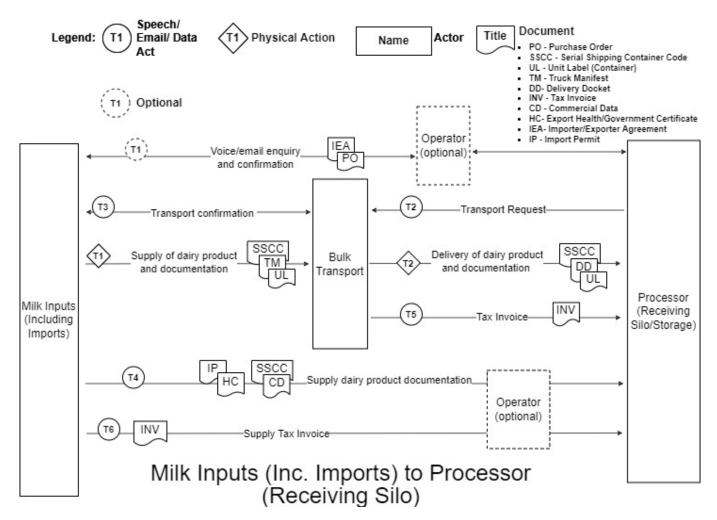


Figure 17. Data or information flows from Milk Inputs to Receiving Silo/Storage systems in the dairy supply chain.

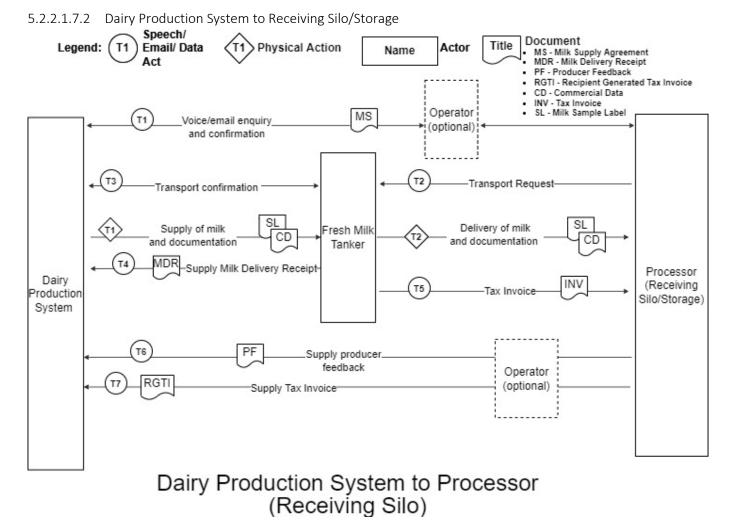


Figure 18. Data or information flows from Dairy Production System to Receiving Silo/Storage systems in the dairy supply chain.

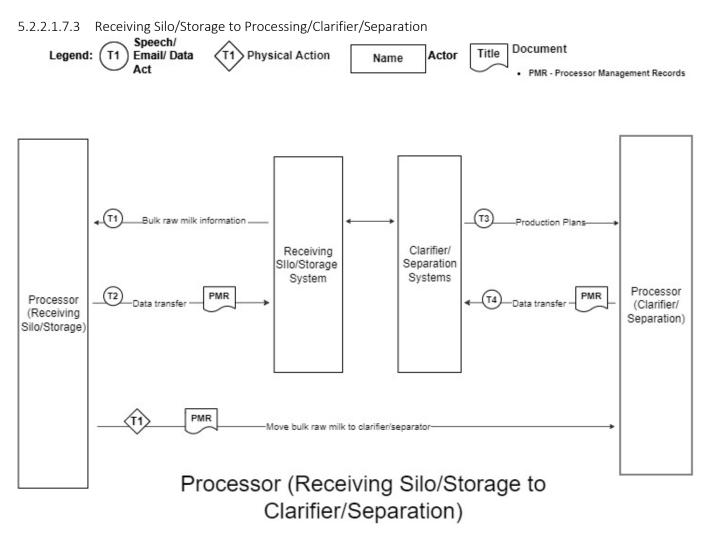


Figure 19. Data or information flows from Processor (Receiving Silo/Storage) to Processor (Clarifier/Separation) systems in the dairy supply chain.

5.2.2.2 Processing/Clarifier/Separation

On reception at the milk processor, raw milk is clarified to remove any debris particles such as dirt, sand, dust, and precipitated protein. Through centrifugal processes, additional particles such as somatic cells, bacteria, and spores can be removed, and microfiltration techniques applied to reduce microbial load and increase milk quality for further processing efficiencies and product quality. Subsequent processes include pasteurization, a heat processing method used to control highly heat resistant disease-causing microorganisms, and to increase the food safety of milk and milk products.

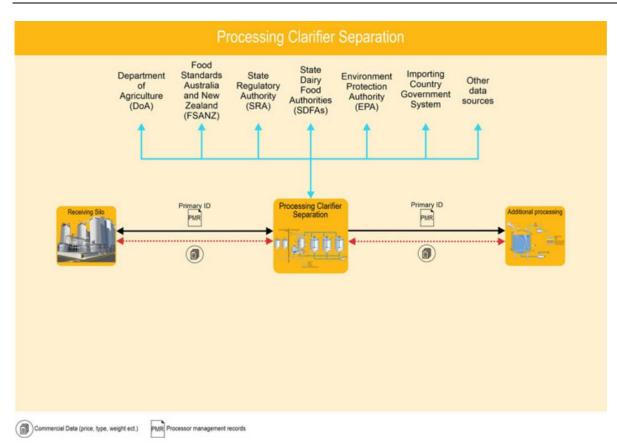


Figure 20. Inputs and outputs of the dairy supply chain processing/clarifier/separation sector.

5.2.2.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Processing Clarifier Separation system include the receival of: * Silo raw milk.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Silo raw milk	This is bulk raw milk that has been delivered to silos at the processing facility by multiple milk tankers and so may include bulk raw milk collected from multiple dairy farms and over multiple days.	Processor management records	

Table 21. Physical inputs and associated Critical Tracking Event related documents for a dairy processing/clarifier/separation system.

5.2.2.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records	For more information visit the GS1 website.
Processing start date	This is the date on which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing start time	This is the time at which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Processor management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Processor management records	

Table 22. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy processing/clarifier/separation system.

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Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Processor management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records	For more information visit the GS1 website.
Silo end date	This is the date on which the last load of bulk milk was transferred to the silo i.e., the silo was filled. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo end time	This is the time at which the last load of bulk milk was transferred to the silo i.e., the silo was filled. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo start date	This is the date on which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	
Silo start time	This is the time at which the first load of bulk milk was transferred to the silo following cleaning. All relevant records from the dairy production system e.g., Farm ID, Date, Volume, Sample number are linked this KDE.	Yes	Processor management records	

·				1
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always	Yes	Processor management records	
	recorded with the time at which the measurement was taken.			
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Processor management records	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records	For more information visit the GS1 website.

5.2.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Processing Clarifier Separation system include the movement of: * Clarified/Separated milk

off the premises, or supply chain sector.

Table 23. Physical outputs and associated Critical T	Tracking Event related documents for a dairy processing/clarifier/separation system.
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Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Clarified/Separated milk	This is milk that has undergone centrifugation and microfiltration processes to remove unwanted and foreign particles such as sand, soil, dust, precipitated protein, bacteria, spores, and somatic cells for further processing.	Processor management records, Production order	

5.2.2.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management records, Production Order	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records, Production Order	For more information visit the GS1 website.
Processing end date	This is the date on which the milk processing stage was completed for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing end time	This is the time at which the milk processing stage completed for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing start date	This is the date on which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the	Yes	Processor management records	

Table 24. Information outputs, Key Data Elements and Critical Tracking Event related dairy processing/clarifier/separation system.

	previous production stage are linked this KDE.			
Processing start time	This is the time at which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Processor management records, Production Order	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Processor management records, Production Order	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Processor management records, Production Order	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records	
Production number	A production number is a unique number assigned to a production order which is issued within a company to produce a specific quantity of products within a certain timeframe. A production order may be issued following one or multiple work orders, and its issuance triggers a number of production events.	Yes	Processor management records, Production Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Processor management records, Production Order	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Processor management records, Production Order	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Processor management records	

Unit of measure	The unit of measure relating to a specific quantity.	Yes	Processor management records, Production Order	
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Processor management records	
Work order number	A unique number assigned to a job or order usually requested by a customer and is linked to the production number/order.	Yes	Processor management records, Production Order	

5.2.2.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Importing Country Government System
- * Other data sources

5.2.2.2.6 Supply Chain Node Traceability

On reception at the milk processor, raw milk is clarified and separated to enhance milk quality and undergoes additional processes to increase food safety. From reception at the processor Milk Delivery Receipt information including the Farm Identification Number and Date are time stamped by a Silo Start/End Date and Start/End Time which is linked to Production Batches/Lot Numbers. This is the main KDE used for the traceability of products throughout the entire processing stage. For example, a single milk silo may hold 150, 000L of bulk raw milk and a milk tanker truck 26, 000L. Therefore, it would take approximately 6 tanker loads of milk to fill a silo. If each dairy farm produced, 13, 000L of milk, then each tanker would hold 2 farms worth of milk in a run. Thus, a milk silo would hold approximately 12 farms worth of milk at any given time. With milk from silos continuously being transferred into processing facilities and filled by milk tankers, the Silo Start/End Date and Start/End Time becomes crucial in the traceability of product through Batches/Lot Numbers. Due to the batching of bulk raw milk from one or multiple farms into first the Milk Tanker and subsequently Receiving Silo/Storage unit, It is impossible to trace product back to a single property of origin, let alone animal and is only possible to a level where several Production Systems can be identified.

5.2.2.2.7 Data flow diagrams

Table 25. Data flow diagrams for the inputs and outputs of a dairy processing/clarifier/separation system.

Direction	Description
Input	Receiving Silo to Processing/Clarifier/Separation
Output	Processing/Clarifier/Separation to Additional Processing

5.2.2.7.1 Receiving Silo to Processing/Clarifier/Separation

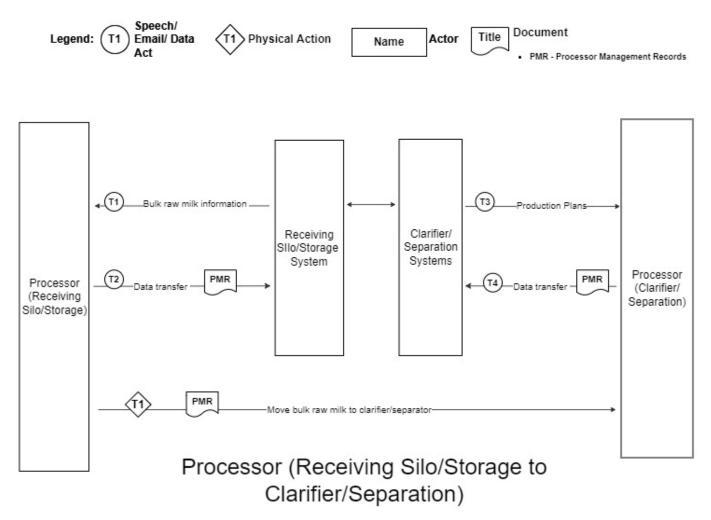


Figure 21. Data or information flows from Processor (Receiving Silo/Storage) to Processor (Clarifier/Separation) systems in the dairy supply chain.

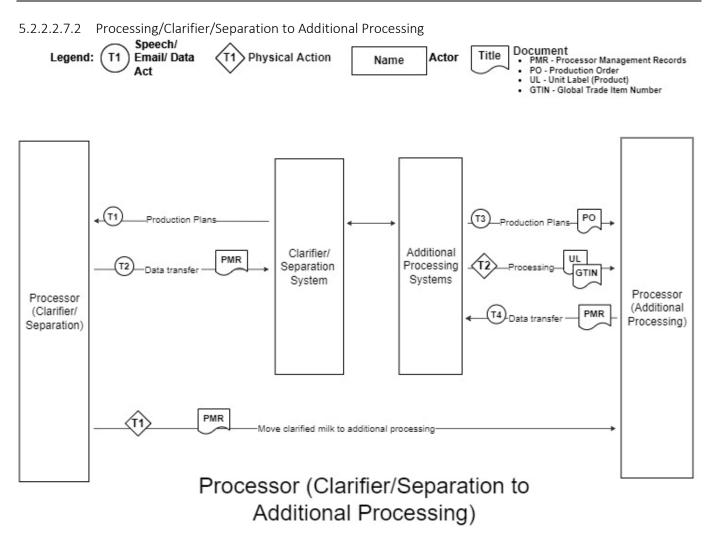


Figure 22. Data or information flows from Processor (Clarifier/Separation) to Processor (Additional Processing) systems in the dairy supply chain.

5.2.2.3 Additional Processing

Additional processing of milk for dairy products is depended upon customer product requirements and must be compliant with FSANZ Food Standards code and the Department of Agriculture requirements (and importing country) for export product. This may include different processes relating to the production of dairy products such as milk powder, cheese, value added liquid milk products, cream, butter etc.

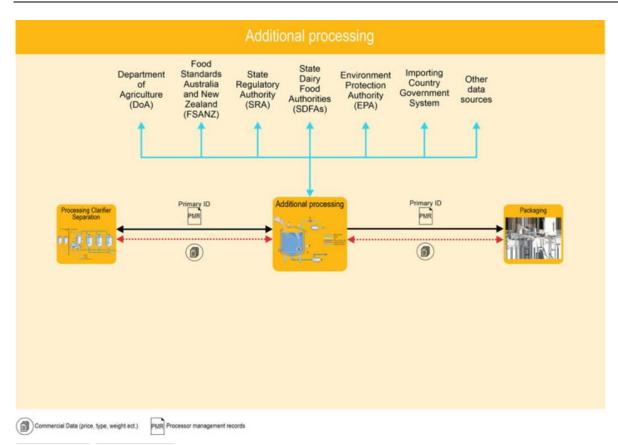


Figure 23. Inputs and outputs of the dairy supply chain additional processing sector.

5.2.2.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Additional Processing system include the receival of:

- * Clarified/Separated milk
- * Product additives/Milk inputs.

Event related to Description of the inputs the inputs		Critical Tracking Event (CTE) related documents (including electronic)	More details
Clarified/Separated milk	This is milk that has undergone centrifugation and microfiltration processes to remove unwanted and foreign particles such as sand, soil, dust, precipitated protein, bacteria, spores, and somatic cells for further processing.	Processor management records, Production order	
Product additives/Milk inputs	These are ingredients or additives used in the processing of, or to enhance the value of milk and milk products.	Processor management records, Production order, Receipt of purchase/Tax Invoice, Retail product label	

Table 26. Physical inputs and associated Critical Tracking Event related documents for a dairy additional processing system.

5.2.2.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order, Retail product label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice, Retail product label	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Processor management records, Retail product label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records, Production Order, Retail product label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Processor management records, Receipt of purchase/Tax Invoice	

Table 27. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy additional processing system.

Net Weight	Usually encoded in the GS1 barcode, the Net	Yes	Processor	For more
(Kilograms)	Weight is a variable measure of the trade		management	information
	item e.g., carton, pallet or shipment recorded		records, Retail	visit the GS1
	in kilograms.		product label	website.
Packaging Date	Encoded in the GS1 barcode, the Packaging	Yes	Processor	For more
(YYMMDD)	Date is the date on which the item was		management	information
	packaged and is recorded in the format year,		records, Retail	visit the GS1
	month, day (YYMMDD).		product label	website.
Processing end	This is the date on which the milk processing	Yes	Processor	
date	stage was completed for the associated		management	
	production batches/lot numbers. All relevant		records	
	records from the previous production stage			
	are linked this KDE.			
Processing end	This is the time at which the milk processing	Yes	Processor	
time	stage completed for the associated		management	
	production batches/lot numbers. All relevant		records	
	records from the previous production stage			
	are linked this KDE.			
Processing start	This is the date on which the milk processing	Yes	Processor	
date	stage commenced for the associated		management	
	production batches/lot numbers. All relevant		records	
	records from the previous production stage			
	are linked this KDE.			
Processing start	This is the time at which the milk processing	Yes	Processor	
time	stage commenced for the associated		management	
	production batches/lot numbers. All relevant		records	
	records from the previous production stage			
	are linked this KDE.			
Product class	A product class is a group of products that are	Yes	Processor	
	homogeneous or generally considered as		management	
	substitutes for each other. The class is		records,	
	considered as narrow or broad depending on		Production	
	how substitutable the various products are.		Order, Retail	
	For example, hard, soft, semi-soft cheese.		product label	
Product name	This is a unique name that a business,	Yes	Processor	
	company or enterprise chooses to give a		management	
	product created e.g., Organic Salt Reduced		records,	
	Mozzarella 1Kg.		Production	
			Order, Retail	
			product label	
Production	This is a unique number which identifies	Yes	Processor	
batches/lot	products (e.g., ingredients, commodities,		management	
numbers	products, chemicals) sharing certain		records,	
	production characteristics and is used for		Production	
	traceability purposes. Note that multiple		Order, Retail	
	batches may be produced by a given unit of		product label	
	product e.g., a milk silo.			
Production Date	This is the date on which product was	Yes	Processor	For more
(YYMMDD)	processed or produced and is recorded in the		management	information
	format year, month, day (YYMMDD).		records	visit the GS1
				website.
Production number	A production number is a unique number	Yes	Processor	
	assigned to a production order which is issued		management	

		r	1
	within a company to produce a specific		records,
	quantity of products within a certain		Production
	timeframe. A production order may be issued		Order
	following one or multiple work orders, and its		
	issuance triggers a number of production		
	events.		
Purchase Order	A unique number assigned to a purchase or	Yes	Processor
number	order usually requested by a customer and is		management
	linked to the work order number/production		records
	order.		
Quantity	This amount or volume of products supplied	Yes	Processor
	or produced (e.g., retail items).		management
			records,
			Production
			Order, Receipt
			of purchase/Tax
			Invoice
Serial Number	Encoded in the GS1 barcode, this is a code,	Yes	Processor
Serial Nulliber		res	
	numeric or alphanumeric, assigned to an		management
	individual instance of an item for its lifetime.		records, Retail
			product label
Supplier/Vendor	This is an 11-digit registration number, issued	Yes	Processor
Australian Business	by the Australian Tax Office, used to identify		management
Number (ABN)	businesses.		records, Receipt
			of purchase/Tax
			Invoice
Supplier/Vendor	These are the identifying details of the	Yes	Processor
Details	persons or business supplying items to		management
	another entity and may include operator or		records,
	business name, address, telephone number		Production
	etc.		Order, Retail
			product label
Temperature/Time	This is the temperature of milk or milk	Yes	Processor
	products at various stages along the supply		management
	chain such as milking, and collection for		records
	transport and is always recorded with the		
	time at which the measurement was taken.		
Unit of measure	The unit of measure relating to a specific	Yes	Processor
Unit of measure		res	
	quantity.		management
			records,
			Production
N 1			Order
Volume	This is the amount of raw milk in litres	Yes	Processor
	required by the buyer or supplied by a		management
	vendor. Volumetric measuring of total		records
	butterfat, total protein and total milk solids is		
	undertaken to determine whether the volume		
	of milk supplied is over or under that required		
	by the Milk Supply Agreement.		
Work order number	A unique number assigned to a job or order	Yes	Processor
	usually requested by a customer and is linked		management
	to the production number/order.		records,
	I TO THE DIOUUCION NUMBER/ORDER.	1	records,

	Production	
	Order	

5.2.2.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Additional Processing system include the movement of: * Dairy products

off the premises, or supply chain sector.

Table 28. Physical outputs and associated Critical Tracking Event related documents for a dairy additional processing system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Dairy	A product containing milk or containing an	Processor management records,	
products	ingredient derived from milk.	Production order	

5.2.2.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 29. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy additional processing system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management	

Global Trade Item	Encoded on the ITF-14 or GS1, the GTIN is	Yes	records, Production Order Processor	<u>For more</u>
Number (GTIN)	a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.		management records, Production Order	information visit the GS1 website.
Processing end date	This is the date on which the milk processing stage was completed for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing end time	This is the time at which the milk processing stage completed for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing start date	This is the date on which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Processing start time	This is the time at which the milk processing stage commenced for the associated production batches/lot numbers. All relevant records from the previous production stage are linked this KDE.	Yes	Processor management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Processor management records, Production Order	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Processor management records, Production Order	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Processor management records, Production Order	

Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in	Yes	Processor management	For more information visit
(the format year, month, day (YYMMDD).		records	<u>the GS1</u> <u>website.</u>
Production number	A production number is a unique number assigned to a production order which is issued within a company to produce a specific quantity of products within a certain timeframe. A production order may be issued following one or multiple work orders, and its issuance triggers a number of production events.	Yes	Processor management records, Production Order	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Processor management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Processor management records, Production Order	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Production Order	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Processor management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Production Order	
Work order number	A unique number assigned to a job or order usually requested by a customer and is linked to the production number/order.	Yes	Processor management records, Production Order	

- 5.2.2.3.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Importing Country Government System
- * Other data sources

5.2.2.3.6 Supply Chain Node Traceability

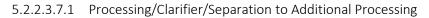
In some cases, additional processing is required to produce products such as powders, cheese, yoghurts etc. Here, additional ingredients from imports or other processing facilities may be introduced to develop the required product. New Batches/Lot Numbers are allocated to the differentiated production line, vats, ingredients etc. Furthermore, products from specific Batches/Lot Numbers may be packed into cartons or loaded onto pallets with the same type of products from other Batches/Lot Numbers, resulting in multiple Batches/Lot Numbers within the same consignment or load.

Any final product, packaged, palletised, bulk or containerised, will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

5.2.2.3.7 Data flow diagrams

Direction	Description
Input	Processing/Clarifier/Separation to Additional Processing
Output	Additional Processing to Packaging

Table 30. Data flow diagrams for the inputs and outputs of a dairy additional processing system.



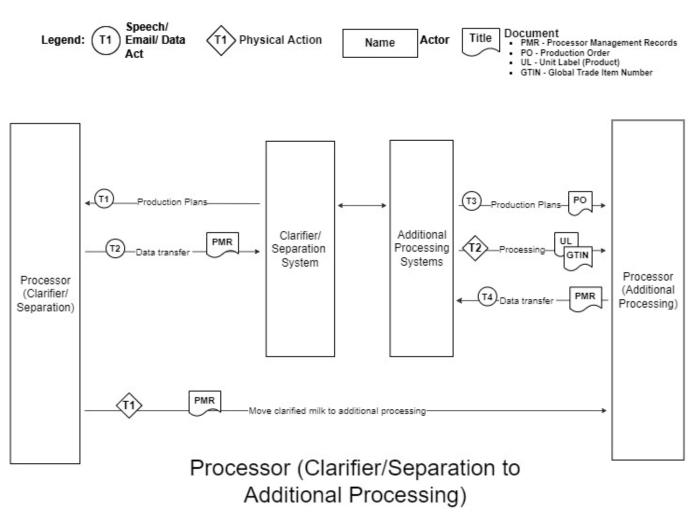


Figure 24. Data or information flows from Processor (Clarifier/Separation) to Processor (Additional Processing) systems in the dairy supply chain.

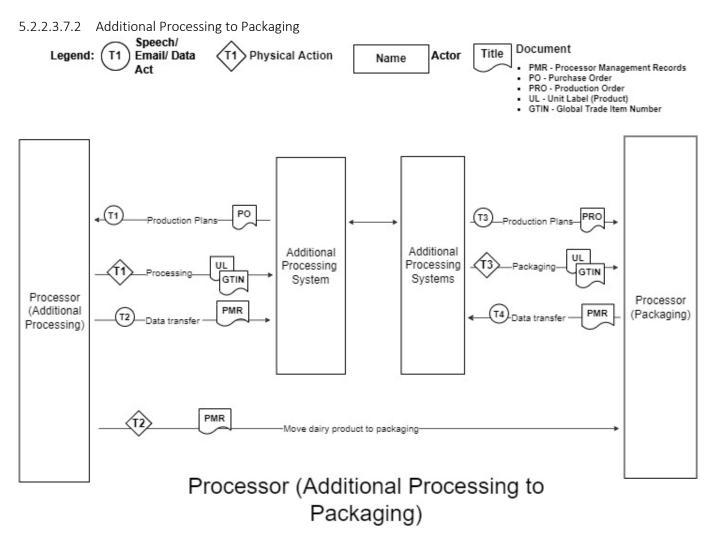


Figure 25. Data or information flows from Processor (Additional Processing) to Processor (Packaging) systems in the dairy supply chain.

5.2.2.4 Packaging

This is the process whereby dairy products are individually packaged and labelled according to Export Control and FSANZ Food Standards, being effectively sealed from contamination, fit for purpose and without adversely affecting the safety of products for consumption. Individual products such as cheese blocks are then packaged into cartons, labelled appropriately, and palletised for warehouse storage and distribution.

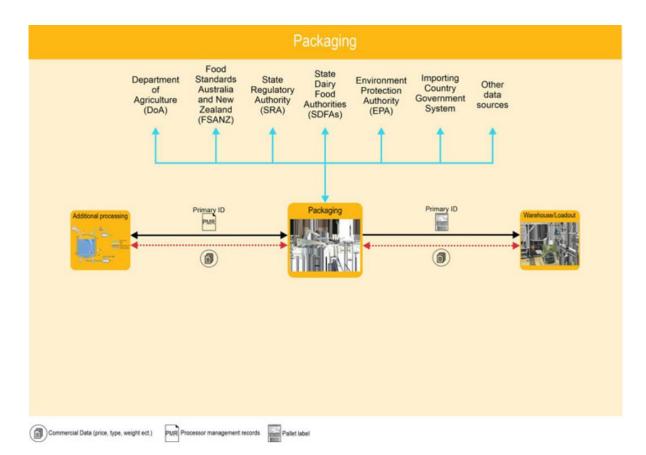


Figure 26. Inputs and outputs of the dairy supply chain packaging sector.

5.2.2.4.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Packaging system include the receival of:

- * Dairy products
- * Packaging materials.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Dairy products	A product containing milk or containing an ingredient derived from milk.	Processor management records, Production order	
Packaging materials	These are the materials required to package processed product for commercial sale.	Processor management records, Production order, Receipt of purchase/Tax Invoice, Retail product label	

 Table 31. Physical inputs and associated Critical Tracking Event related documents for a dairy packaging system.

5.2.2.4.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order, Retail product label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice, Retail product label	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Processor management records, Retail product label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management records, Production Order, Receipt of purchase/Tax Invoice	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records, Production Order, Retail product label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Processor management records, Receipt of purchase/Tax Invoice	

Table 32. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy packaging system.

NI-134/-1-1-		N	Deces	F
Net Weight	Usually encoded in the GS1 barcode, the	Yes	Processor	For more
(Kilograms)	Net Weight is a variable measure of the		management	information
	trade item e.g., carton, pallet or		records, Retail	visit the GS1
	shipment recorded in kilograms.		product label	<u>website.</u>
Packaging Date	Encoded in the GS1 barcode, the	Yes	Processor	For more
(YYMMDD)	Packaging Date is the date on which the		management	<u>information</u>
	item was packaged and is recorded in		records, Retail	visit the GS1
	the format year, month, day (YYMMDD).		product label	website.
Processing end date	This is the date on which the milk	Yes	Processor	
	processing stage was completed for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Processing end time	This is the time at which the milk	Yes	Processor	
0	processing stage completed for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Processing start date	This is the date on which the milk	Yes	Processor	
	processing stage commenced for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the		100103	
	previous production stage are linked this			
	KDE.			
Processing start time	This is the time at which the milk	Yes	Processor	
	processing stage commenced for the	105	management	
	associated production batches/lot		records	
	numbers. All relevant records from the		100103	
	previous production stage are linked this			
	KDE.			
Product class	A product class is a group of products	Yes	Processor	
riouuci ciass	that are homogeneous or generally	163	management	
	considered as substitutes for each other.		records,	
	The class is considered as narrow or			
			Production Order,	
	broad depending on how substitutable		Retail product	
	the various products are. For example,		label	
Decili et	hard, soft, semi-soft cheese.	N	Duran	
Product name	This is a unique name that a business,	Yes	Processor	
	company or enterprise chooses to give a		management	
	product created e.g., Organic Salt		records,	
	Reduced Mozzarella 1Kg.		Production Order,	
			Retail product	
			label	
Production	This is a unique number which identifies	Yes	Processor	
batches/lot numbers	products (e.g., ingredients,		management	
	commodities, products, chemicals)		records,	
	sharing certain production		Production Order,	
	characteristics and is used for		Retail product	
	traceability purposes. Note that multiple		label	
	batches may be produced by a given			
	unit of product e.g., a milk silo.			
		I		

Production Date	This is the date on which product was	Yes	Processor	For more
(YYMMDD)	processed or produced and is recorded	103	management	information
	in the format year, month, day		records	visit the GS1
	(YYMMDD).		1000103	website.
Production number	A production number is a unique	Yes	Processor	website.
i loudelloir humber	number assigned to a production order	105	management	
	which is issued within a company to		records,	
	produce a specific quantity of products		Production Order	
	within a certain timeframe. A		rioduction order	
	production order may be issued			
	following one or multiple work orders,			
	and its issuance triggers a number of			
	production events.			
Purchase Order	•	Yes	Drocossor	
	A unique number assigned to a purchase	res	Processor	
number	or order usually requested by a		management	
	customer and is linked to the work order		records	
Quentit	number/production order.	N.	Dueses	
Quantity	This amount or volume of products	Yes	Processor	
	supplied or produced (e.g., retail items).		management	
			records,	
			Production Order,	
			Receipt of	
			purchase/Tax	
			Invoice	_
Serial Number	Encoded in the GS1 barcode, this is a	Yes	Processor	For more
	code, numeric or alphanumeric,		management	information
	assigned to an individual instance of an		records, Retail	visit the GS1
	item for its lifetime.		product label	website.
Supplier/Vendor	This is an 11-digit registration number,	Yes	Processor	For more
Australian Business	issued by the Australian Tax Office, used		management	information
Number (ABN)	to identify businesses.		records, Receipt of	visit the ATO
			purchase/Tax	website.
o 11 / 1			Invoice	
Supplier/Vendor	These are the identifying details of the	Yes	Processor	
Details	persons or business supplying items to		management	
	another entity and may include operator		records,	
	or business name, address, telephone		Production Order	
_ /	number etc.			
Temperature/Time	This is the temperature of milk or milk	Yes	Processor	
	products at various stages along the		management	
	supply chain such as milking, and		records	
	collection for transport and is always			
	recorded with the time at which the			
	measurement was taken.			
Unit of measure	The unit of measure relating to a specific	Yes	Processor	
	quantity.		management	
			records,	
			Production Order	
Work order number	A unique number assigned to a job or	Yes	Processor	
	order usually requested by a customer		management	
	and is linked to the production		records,	
	number/order.		Production Order	

5.2.2.4.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Packaging system include the movement of: * Pallet

off the premises, or supply chain sector.

Table 22 Dhysical outputs and associated	Critical Tracking Event related documents for a dairy packaging system	2
Tuble 55. Fliyslcul bulputs ullu ussociuteu	l Critical Tracking Event related documents for a dairy packaging system	· .

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	SSCC/Pallet label, Processor management records, Production order	

5.2.2.4.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 34. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy packaging system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order, SSCC/Pallet label	

Consignment Serial	Encoded in the GS1 barcode, this is a	Yes	Processor	For more
Shipping Container Code (SSCC)	unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.		management records, SSCC/Pallet label	information visit the GS1 website.
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Processor management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Processor management records, SSCC/Pallet label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Processor management records, Production Order	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Processor management records, SSCC/Pallet label	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Processor management records, Production Order, SSCC/Pallet label	For more information visit the GS1 website.
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Processor management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Processor management records, SSCC/Pallet label	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the	Yes	Processor management	For more information visit

	item was packaged and is recorded in the		records,	the GS1
	format year, month, day (YYMMDD).		SSCC/Pallet label	website.
Pallet Serial Shipping	Encoded in the GS1 barcode, this is a	Yes	Processor	For more
Container Code	unique number which identifies the		management	information visit
(SSCC)	individual logistic unit i.e., pallet that is		records,	the GS1
	assigned by the establishment		SSCC/Pallet label	website.
	constructing the unit. The SSCC remains			<u></u>
	the same for the life of the logistic unit.			
Processing end date	This is the date on which the milk	Yes	Processor	
	processing stage was completed for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Processing end time	This is the time at which the milk	Yes	Processor	
	processing stage completed for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Processing start date	This is the date on which the milk	Yes	Processor	
	processing stage commenced for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Processing start time	This is the time at which the milk	Yes	Processor	
	processing stage commenced for the		management	
	associated production batches/lot		records	
	numbers. All relevant records from the			
	previous production stage are linked this			
	KDE.			
Product class	A product class is a group of products that	Yes	Processor	
	are homogeneous or generally considered		management	
	as substitutes for each other. The class is		records,	
	considered as narrow or broad depending		Production	
	on how substitutable the various products		Order,	
	are. For example, hard, soft, semi-soft		SSCC/Pallet label	
	cheese.			
Product name	This is a unique name that a business,	Yes	Processor	
	company or enterprise chooses to give a		management	
	product created e.g., Organic Salt		records,	
	Reduced Mozzarella 1Kg.		Production	
			Order,	
			SSCC/Pallet label	
Production	This is a unique number which identifies	Yes	Processor	
batches/lot numbers	products (e.g., ingredients, commodities,		management	
	products, chemicals) sharing certain		records,	
	production characteristics and is used for		Production	
	traceability purposes. Note that multiple		Order,	
	batches may be produced by a given unit		SSCC/Pallet label	
	batches may be produced by a given unit		SSCC/1 difect label	

Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records	For more information visit the GS1 website.
Production number	A production number is a unique number assigned to a production order which is issued within a company to produce a specific quantity of products within a certain timeframe. A production order may be issued following one or multiple work orders, and its issuance triggers a number of production events.	Yes	Processor management records, Production Order	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Processor management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Processor management records, Production Order	
Serial Number	Encoded in the GS1 barcode, this is a code, numeric or alphanumeric, assigned to an individual instance of an item for its lifetime.	Yes	Processor management records	For more information visit the GS1 website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Processor management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Processor management records, Production Order, SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Processor management records	
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Processor management records, SSCC/Pallet label	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Processor management records, Production Order	

Work order number	A unique number assigned to a job or	Yes	Processor
	order usually requested by a customer		management
	and is linked to the production		records,
	number/order.		Production
			Order

5.2.2.4.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Importing Country Government System
- * Other data sources

5.2.2.4.6 Supply Chain Node Traceability

In some cases, additional processing is required to produce products such as powders, cheese, yoghurts etc. Here, additional ingredients from imports or other processing facilities may be introduced to develop the required product. New Batches/Lot Numbers are allocated to the differentiated production line, vats, ingredients etc. Furthermore, products from specific Batches/Lot Numbers may be packed into cartons or loaded onto pallets with the same type of products from other Batches/Lot Numbers, resulting in multiple Batches/Lot Numbers within the same consignment or load.

Any final product, packaged, palletised, bulk or containerised, will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

5.2.2.4.7 Data flow diagrams

Direction	Description
Input	Additional Processing to Packaging
Output	Packaging to Warehouse/Loadout

Table 35. Data flow diagrams for the inputs and outputs of a dairy packaging system.

5.2.2.4.7.1 Additional Processing to Packaging

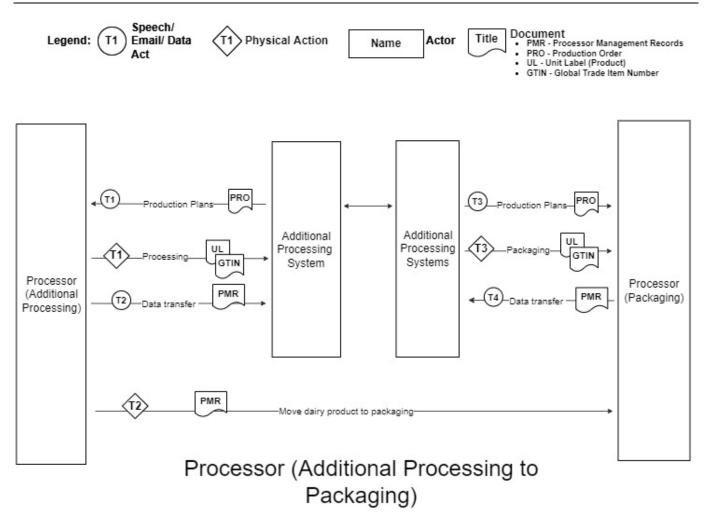


Figure 27. Data or information flows from Processor (Additional Processing) to Processor (Packaging) systems in the dairy supply chain.

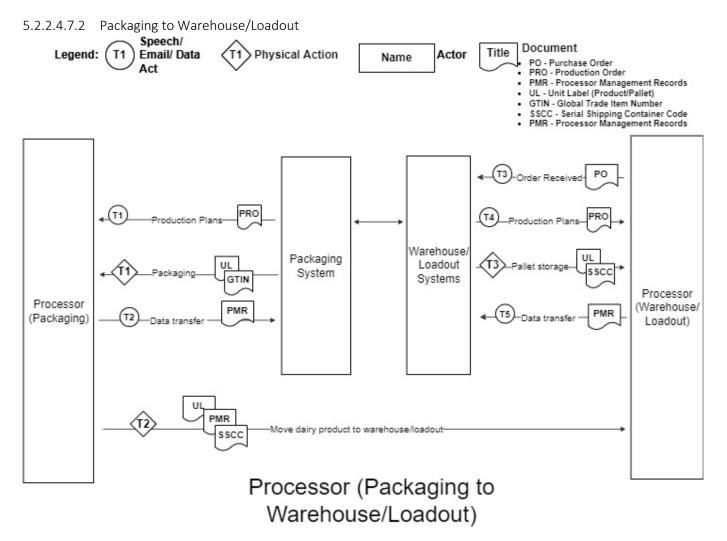


Figure 28. Data or information flows from Processor (Packaging) to Processor (Warehouse/Loadout) systems in the dairy supply chain.

5.2.2.5 Warehouse/Loadout

Warehouse/Loadout is the process whereby dairy product cartons and pallets are stored, sorted according to customer Purchase Orders, and prepared for domestic or export distribution using freight handling equipment. All product movements and inventory are recorded to ensure quality is maintained and that customer orders can be met.

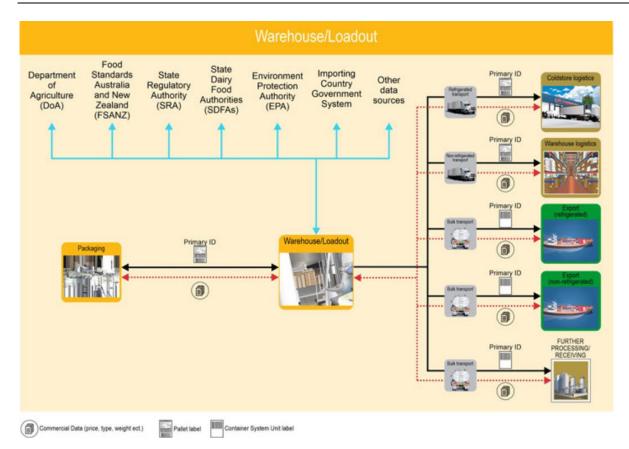


Figure 29. Inputs and outputs of the dairy supply chain warehouse/loadout sector.

5.2.2.5.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Warehouse/Loadout system include the receival of: * Pallet.

Event related to	Description of the inputs	Critical Tracking Event (CTE) related documents (including	More details
the inputs		electronic)	
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	SSCC/Pallet label, Processor management records, Production order, Purchase Order, Receipt of purchase/Tax Invoice	

Table 36. Physical inputs and associated Critical Tracking Event related documents for a dairy warehouse/loadout system.

5.2.2.5.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Processor management records, Production Order, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Processor management records, Production Order, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Processor management records, SSCC/Pallet label	For more information visit the GS1 website.
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Processor management records, SSCC/Pallet label, Importer/Exporter Agreement	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Processor management records, SSCC/Pallet label	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Processor management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Importer/Exporter Agreement, Processor management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Processor management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Processor management records	

Table 37. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy warehouse/loadout system.

Date	This is the date of signing or of which a record entry or transaction	Yes	Importer/Exporter Agreement, Processor	
	was made.		management records,	
			Production Order,	
			Purchase Order, Receipt	
			of purchase/Tax Invoice	
From Establishment	A number issued by Federal and	Yes	Importer/Exporter	
number	State Authorities to identify the		Agreement, Processor	
	originating site from which milk or		management records,	
	milk products (intended for export)		SSCC/Pallet label	
	were distributed. For transfer			
	declarations, the Establishment			
	numbers for both the dispatching			
	and receiving establishments are			
	recorded.			
Global Trade Item	Encoded on the ITF-14 or GS1, the	Yes	Importer/Exporter	For more
Number (GTIN)	GTIN is a globally unique 14-digit		Agreement, Processor	<u>information</u>
	number used to identify specific		management records,	visit the GS1
	trade items, products, or services		Production Order,	<u>website.</u>
	and is linked to the product name.		Purchase Order,	
Invoice number	This is a unique purchas allocated to	Vac	SSCC/Pallet label	
Invoice number	This is a unique number allocated to	Yes	Processor management	
	the invoice by the supplier or		records, Receipt of	
	receiver of purchased items/products for payment tracking		purchase/Tax Invoice	
Movement date	purposes. The date on which livestock or other	Yes	Importer/Exporter	
wovement date	products (e.g., feed, raw milk or milk	162	Agreement, Processor	
	products (e.g., reed, raw mink of mink products) were transported		management records	
	between locations.		management records	
Net Weight	Usually encoded in the GS1 barcode,	Yes	Processor management	For more
(Kilograms)	the Net Weight is a variable measure	100	records, SSCC/Pallet	information
(of the trade item e.g., carton, pallet		label	visit the GS1
	or shipment recorded in kilograms.			website.
Official mark	Official marks are market labels, tags	Yes	Processor management	For more
	or other seals applied to products		records, SSCC/Pallet	information
	exported from Australia. Each type		label	visit the GS1
	of label has specific mark			website.
	dimensions. There are strict			
	conditions set out to comply with			
	export requirements. Official marks			
	indicate compliance with the Export			
	Control (Milk and Milk Products Act).			
	An official mark signifies that the			
	product has been inspected by and			
	approved as safe for human			
	consumption by an Authorised			
	Officer.		-	
Packaging Date	Encoded in the GS1 barcode, the	Yes	Processor management	For more
(YYMMDD)	Packaging Date is the date on which		records, SSCC/Pallet	information
	the item was packaged and is		label	visit the GS1
	recorded in the format year, month,			website.
	day (YYMMDD).			

			2	-
Pallet Serial	Encoded in the GS1 barcode, this is a	Yes	Processor management	For more
Shipping Container	unique number which identifies the		records, SSCC/Pallet	information
Code (SSCC)	individual logistic unit i.e., pallet that		label	visit the GS1
	is assigned by the establishment			website.
	constructing the unit. The SSCC			
	remains the same for the life of the			
	logistic unit.			
Processing end date	This is the date on which the milk	Yes	Processor management	
	processing stage was completed for		records	
	the associated production			
	batches/lot numbers. All relevant			
	records from the previous			
	production stage are linked this KDE.			
Processing end time	This is the time at which the milk	Yes	Processor management	
	processing stage completed for the		records	
	associated production batches/lot			
	numbers. All relevant records from			
	the previous production stage are			
	linked this KDE.			
Processing start	This is the date on which the milk	Yes	Processor management	
date	processing stage commenced for the		records	
	associated production batches/lot			
	numbers. All relevant records from			
	the previous production stage are			
	linked this KDE.			
Processing start	This is the time at which the milk	Yes	Processor management	
time	processing stage commenced for the		records	
	associated production batches/lot			
	numbers. All relevant records from			
	the previous production stage are			
	linked this KDE.			
Product class	A product class is a group of	Yes	Importer/Exporter	
	products that are homogeneous or		Agreement, Processor	
	generally considered as substitutes		management records,	
	for each other. The class is		Production Order,	
	considered as narrow or broad		Purchase Order,	
	depending on how substitutable the		SSCC/Pallet label	
	various products are. For example,			
	hard, soft, semi-soft cheese.			
Product name	This is a unique name that a	Yes	Importer/Exporter	
	business, company or enterprise		Agreement, Processor	
	chooses to give a product created		management records,	
	e.g., Organic Salt Reduced		Production Order,	
	Mozzarella 1Kg.		Purchase Order,	
	5		SSCC/Pallet label	
Production	This is a unique number which	Yes	Processor management	For more
batches/lot	identifies products (e.g., ingredients,	-	records, Production	information
numbers	commodities, products, chemicals)		Order, SSCC/Pallet label	visit the GS1
	sharing certain production		, ,	website.
	characteristics and is used for			
	traceability purposes. Note that			
	multiple batches may be produced			
		1	1	I

	by a given unit of product e.g., a milk silo.			
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Processor management records	For more information visit the GS1 website.
Production number	A production number is a unique number assigned to a production order which is issued within a company to produce a specific quantity of products within a certain timeframe. A production order may be issued following one or multiple work orders, and its issuance triggers a number of production events.	Yes	Processor management records, Production Order	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Importer/Exporter Agreement, Processor management records, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Importer/Exporter Agreement, Processor management records, Production Order, Purchase Order, Receipt of purchase/Tax Invoice	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Importer/Exporter Agreement, Processor management records, Purchase Order	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Importer/Exporter Agreement, Processor management records, Purchase Order	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Importer/Exporter Agreement, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Importer/Exporter Agreement, Processor management records, Production Order, Purchase Order, SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always	Yes	Processor management records	

		1	1	
	recorded with the time at which the			
	measurement was taken.			
Temperature	This is a statement of instruction	Yes	Processor management	
requirements	specifying the temperature		records	
	requirements for the goods whilst in			
	transport including storage at less			
	than -18 degrees Celsius (frozen			
	product); -5 degrees or less (chilled			
	product); unrefrigerated.			
To Establishment	A number issued by Federal and	Yes	Importer/Exporter	
number	State Authorities to identify the		Agreement, Processor	
	receiving site of which milk or milk		management records	
	products (intended for export) will		_	
	be/were distributed to. For transfer			
	declarations, the Establishment			
	numbers for both the dispatching			
	and receiving establishments are			
	recorded.			
Trade description	Required on the packaging of	Yes	Processor management	
	products indented for export, this is		records, SSCC/Pallet	
	a collective set of words that says		label	
	what the product is. It may include			
	information such as net weight of			
	product, name and address of			
	establishments, ingredients,			
	directions for use etc.			
Unit of measure	The unit of measure relating to a	Yes	Importer/Exporter	
	specific quantity.		Agreement, Processor	
			management records,	
			Production Order,	
			Purchase Order	
Work order number	A unique number assigned to a job	Yes	Processor management	
	or order usually requested by a		records, Production	
	customer and is linked to the		Order	
	production number/order.			
	· · ·			

5.2.2.5.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Warehouse/Loadout system include the movement of:

- * Pallet
- * Container System Unit (Domestic)
- * Container System Unit (Export)

off the premises, or supply chain sector.

Event related	Description of the inputs	Critical Tracking Event (CTE)	More
to the inputs		related documents (including	details
		electronic)	
Pallet	A logistic unit which includes a number of cartons	SSCC/Pallet label, Delivery	
	or goods items packed together for transport or	Docket/Manifest, Processor	
	storage purposes.	management records, Purchase	
		Order, Receipt of purchase/Tax	
		Invoice	
Container	A container designed for use as a unit of cargo	Certificate of Analysis (COA),	
System Unit	handling equipment in the transport of goods by	Container System Unit label,	
(Domestic)	aircraft or ship.	Delivery Docket/Manifest,	
		Purchase Order, Receipt of	
		purchase/Tax Invoice, Transfer	
		Declaration, Processor	
		management records	
Container	A container designed for use as a unit of cargo	Bill of lading/Air Waybill,	
System Unit	handling equipment in the transport of goods by	Certificate of Analysis Export,	
(Export)	aircraft or ship.	Container System Unit label,	
		Delivery Docket/Manifest,	
		Export Health/Government	
		Certificate, Export Permit,	
		Importer/Exporter Agreement,	
		Manufacturers Declaration of	
		Compliance, Official Seal,	
		Organic Goods Certificate,	
		Packing List, Processor	
		management records, Purchase	
		Order, Receipt of purchase/Tax	
		Invoice, Transfer Declaration	

 Table 38. Physical outputs and associated Critical Tracking Event related documents for a dairy warehouse/loadout system.

5.2.2.5.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 39. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy warehouse/loadout system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Processor management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Processor management records, Transfer Declaration	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product	Yes	Processor management records, SSCC/Pallet label	For more information visit the Food

Certificate of Analysis number	 may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations. A unique certificate number issued for traceability purposes. 	Yes	Certificate of Analysis Export, Organic Goods	Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Certificate, Certificate of Analysis (COA), Processor management records Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets, and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Processor management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Processor management records, SSCC/Pallet label	For more information visit the GS1 website.

	constructing the unit. The SSCC			
	remains the same for the life of the logistic unit.			
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Organic Goods Certificate, Packing List, Container System Unit label, Processor management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Packing List, Container System Unit label, Processor management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Importer/Exporter Agreement, Delivery Docket/Manifest, Processor management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Processor management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Processor management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Processor management records, SSCC/Pallet label, Transfer Declaration	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Processor management records, SSCC/Pallet label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export , Certificate of Analysis (COA), Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	

Dairy Licence	State food authorities require	Yes	Importer/Exporter	
number	all businesses that produce,	165	Agreement, Processor	
number	process, store, or transport		management records	
			management records	
	dairy products to hold a dairy			
	licence for compliance with			
	food safety standards.			
Declaration	This is a statement made by the	Yes	Manufacturers Declaration	For more
statement	dispatching establishment or		of Compliance, Processor	information
	manufacturer of goods		management records,	<u>visit the</u>
	confirming that the information		Transfer Declaration	Department of
	on the document is true and			Agriculture,
	complete; that the food was			Water and the
	manufactured and processed in			Environment
	accordance with the Export			website.
	Control (Milk and Milk Products)			
	Rules 2021 and the applicable			
	approved arrangements; the			
	goods are compliant with			
	importing country			
	requirements.			
Delivery	This is a unique number	Yes	Delivery Docket/Manifest,	
Docket/Manifest	allocated to the docket for		Processor management	
number	identification purposes.		records	
From Establishment	A number issued by Federal and	Yes	Certificate of Analysis	For more
number	State Authorities to identify the		Export, Export	information
	originating site from which milk		Health/Government	visit the
	or milk products (intended for		Certificate,	Department of
	export) were distributed. For		Importer/Exporter	Agriculture,
	transfer declarations, the		Agreement Manufacturers	Water and the
	Establishment numbers for both		Declaration of Compliance,	Environment
	the dispatching and receiving		Processor management	website.
	establishments are recorded.		records, SSCC/Pallet label,	
			Transfer Declaration	
Export	A unique number allocated to	Yes	Export Health/Government	For more
Health/Government	the Health/Government		Certificate, Organic Goods	information
Certificate Number	Certificate export consignment		Certificate, Processor	visit the
	for traceability purposes.		management records	Department of
	for traceability purposes.		management records	Agriculture,
				Water and the
				Environment
				website.
Export Permit	A unique permit number is	Yes	Export Permit, Organic	For more
Number	allocated for the export	162	Goods Certificate, Processor	information
NUTIDEI	consignment following		management records	visit the
	submission of a correct and		management records	
				Department of
	validated Request For Export			Agriculture,
	(RFE) which is then approved by			Water and the
	the Secretary.			Environment
		V		website.
From Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	loading, this is the identification		Organic Goods Certificate,	information
	code of any location used in		Packing List, Processor	visit the
	international trade and	1	management records	Department of

	transport (e.g., seaport, airports etc.) from which goods are sent.			Agriculture, Water and the Environment website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Processor management records	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of Analysis (COA), Delivery Docket/Manifest, Export Permit Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, SSCC/Pallet label, Transfer Declaration	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Processor management records, Receipt of purchase/Tax Invoice	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Processor management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Processor management records, Transfer Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a	Yes	Bill of lading/Air Waybill, Export Health/Government	For more information

		1		
	variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.		Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, SSCC/Pallet label, Transfer Declaration	visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Processor management records, SSCC/Pallet label	
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Processor management records	For more information visit the GS1 website.
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Processor management records	
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Processor management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Processor management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Processor management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of Analysis (COA), Delivery	

	class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.		Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Processor management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of Analysis (COA), Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Processor management records, SSCC/Pallet label, Transfer Declaration	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Processor management records, Transfer Declaration	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Processor management records, Purchase Order	

Quality	The will available star dealers t	V-	Contificate of Arrow (COA)]
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Processor management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Certificate of Analysis (COA), Processor management records, Purchase Order, Transfer Declaration	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of Analysis (COA), Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, Transfer Declaration	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID	Yes	Certificate of Analysis (COA), Processor management records	

		r		1
Supplier/Vendor Australian Business Number (ABN)	number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents. This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of Analysis (COA), Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Processor management records, Purchase Order, Receipt of purchase/Tax	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Invoice, Transfer Declaration Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Processor management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Certificate of	

	entity and may include operator or business name, address, telephone number etc.		Analysis (COA), Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Processor management records, Purchase Order, SSCC/Pallet Iabel, Transfer Declaration	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Processor management records, Transfer Declaration	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Processor management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Processor management records, Transfer Declaration	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Processor management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Processor management records, SSCC/Pallet label	

Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Processor management records	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Processor management records, Transfer Declaration	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Processor management records, Purchase Order	

- 5.2.2.5.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * Environment Protection Authority (EPA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Importing Country Government System
- * Other data sources

5.2.2.5.6 Supply Chain Node Traceability

Final palletised dairy product will include packaged cartons with one or multiple Batches/Lot Numbers identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone animals.

For example, 100 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are ready to be transferred into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.2.5.7 Data flow diagrams

Direction	Description	
Input	Packaging to Warehouse/Loadout	
Output	Warehouse/Loadout to Cold Store Logistics	
Output	Warehouse/Loadout to Warehouse Logistics	
Output	Warehouse/Loadout to Export (refrigerated)	
Output	Warehouse/Loadout to Export (non-refrigerated)	
Output	Warehouse/Loadout to FURTHER PROCESSING RECEIVING	

Table 40. Data flow diagrams for the inputs and outputs of a dairy warehouse/loadout system.

5.2.2.5.7.1 Packaging to Warehouse/Loadout

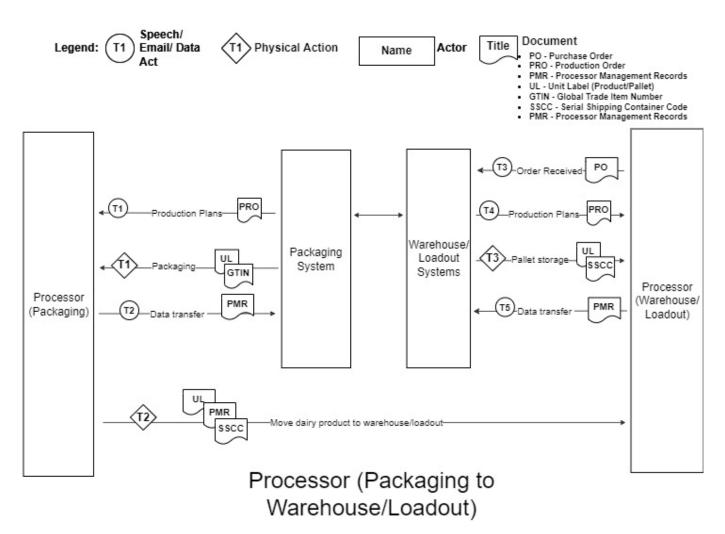
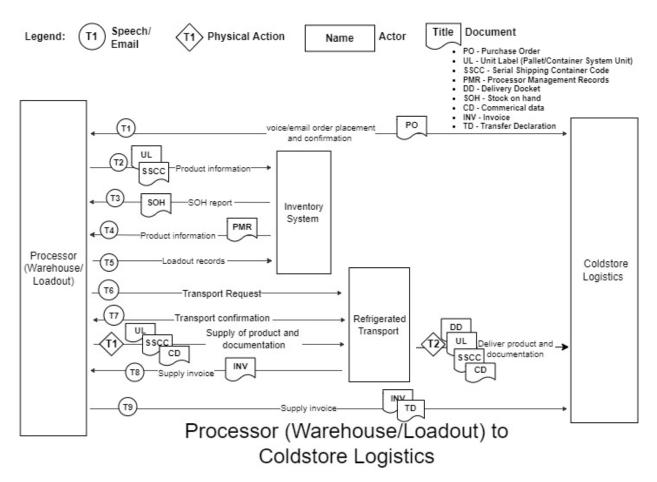
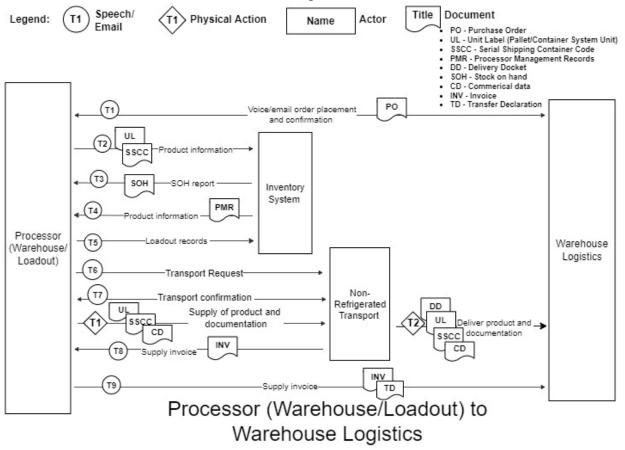


Figure 30. Data or information flows from Processor (Packaging) to Processor (Warehouse/Loadout) systems in the dairy supply chain.



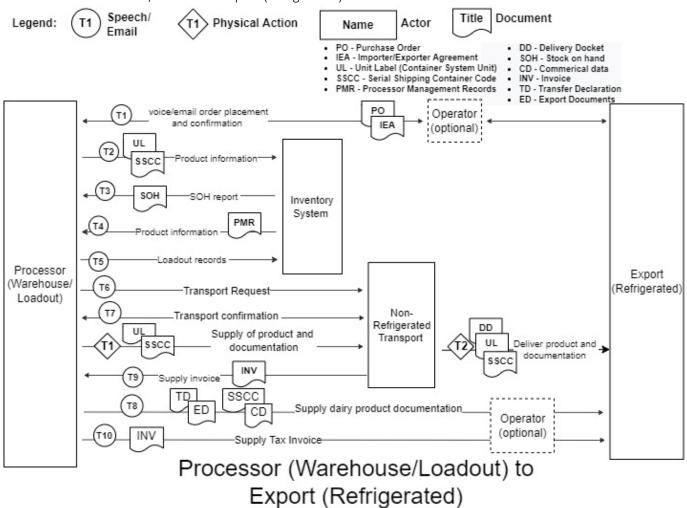
5.2.2.5.7.2 Warehouse/Loadout to Cold Store Logistics

Figure 31. Data or information flows from Processor (Warehouse/Loadout) to Cold store Logistics systems in the dairy supply chain.



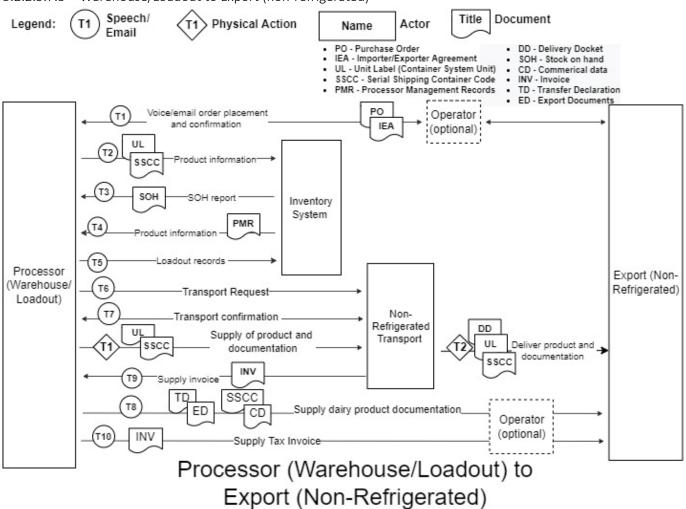
5.2.2.5.7.3 Warehouse/Loadout to Warehouse Logistics

Figure 32. Data or information flows from Processor (Warehouse/Loadout) to Warehouse Logistics systems in the dairy supply chain.



5.2.2.5.7.4 Warehouse/Loadout to Export (refrigerated)

Figure 33. Data or information flows from Processor (Warehouse/Loadout) to Export (Refrigerated) systems in the dairy supply chain.



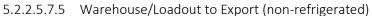
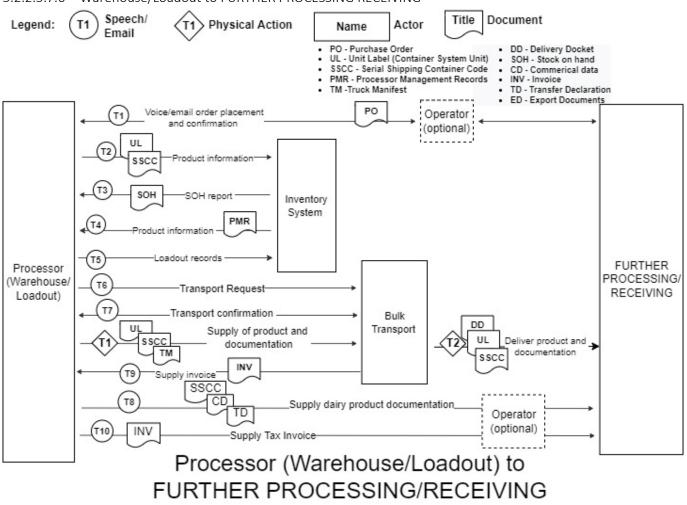


Figure 34. Data or information flows from Processor (Warehouse/Loadout) to Export (Non-Refrigerated) systems in the dairy supply chain.



5.2.2.5.7.6 Warehouse/Loadout to FURTHER PROCESSING RECEIVING

Figure 35. Data or information flows from Processor (Warehouse/Loadout) to FURTHER PROCESSING/RECEIVING systems in the dairy supply chain.

5.2.2.6 Beef Supply Chain

The beef supply chain and livestock processing includes all aspects of the beef production and slaughter system including the backgrounding, feeding and receival of livestock at lairage all the way through to carcase and carton cold stores as well as hide processing and render. Typically, unwanted dairy animals (bobby calves and cull cows) are sent to the livestock processor where they are rested in lairage immediately prior to slaughter. Animals then enter the slaughter, carcase chiller, boning and offal room systems where carcases are respectively dressed, chilled, broken down into saleable meat cuts and these cuts and saleable offal components packaged into cartons for sale. By-products such as hides, and condemned meat products are also processed at hide and render facilities. For more detail on individual aspects of the livestock processing system, please view the processing nodes within the exporting country component of the beef supply chain.

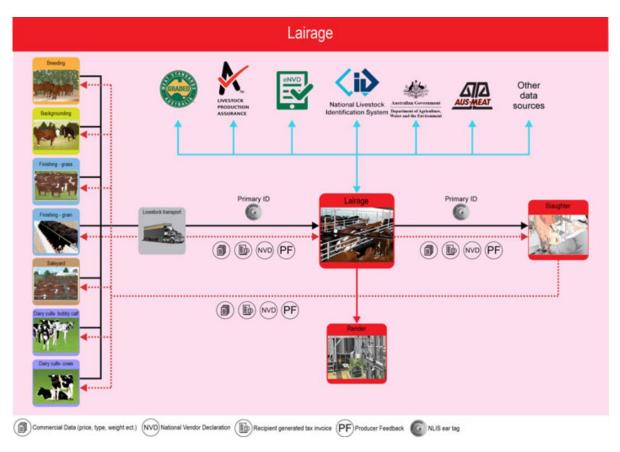


Figure 36. Inputs and outputs of the beef supply chain lairage sector.

For more information regarding the Beef Supply Chain please visit <u>https://www.rmscc.org/supplychain.asp</u> or see 'Supply Chain Traceability – Beef' documents.

5.2.3 Exporting Country - National distribution

5.2.3.1 Milk Inputs (Including Imports)

This is an intermediate process whereby both imported and domestic bulk product is received by the processor in preparation for subsequent and further processing into saleable dairy products.

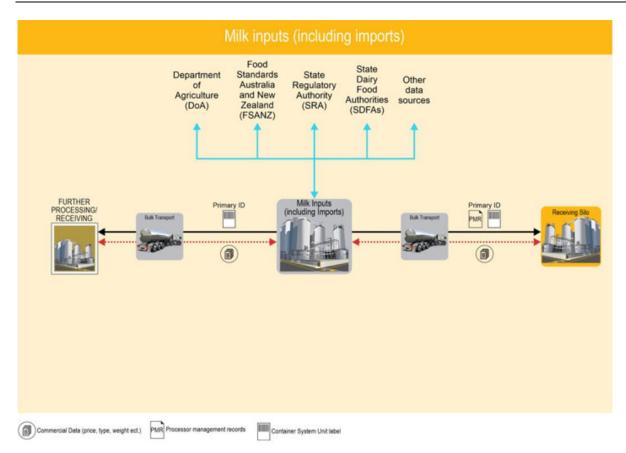


Figure 37. Inputs and outputs of the dairy supply chain milk inputs sector.

5.2.3.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Milk Inputs system include the receival of:

- * Container System Unit (Domestic)
- * Container System Unit (Import).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Import Permit, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal,	

Table 41. Physical inputs and associated Critical Tracking Event related documents for a dairy milk inputs system.

transport of goods by	Organic Goods Certificate, Packing List, Purchase Order,	
aircraft or ship.	Receipt of purchase/Tax Invoice, Imported Food Inspection	
	Advice, Transporter management records	

5.2.3.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Table 42. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy milk inputs system.

Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets, and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	

Container Weights	includes information such as an owner code, product group, registration number, check digit and size and type code. This includes the maximum	Yes	Bill of lading/Air Waybill,	
(Kilograms)	allowable weight of the container, the container tare weight, the payload weight, and cubic capacity (cubic feet).		Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store, or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer	

Declaration	This is a statement words but to	Vac	Declaration, Transporter management records Manufacturers Declaration	Formara
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records, Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	

	A and all acated to the	Vac	Containor System Halt Label	
ISO code	A code allocated to the container system unit by the	Yes	Container System Unit label, Transporter management	
	International Container Bureau		records	
	that describes length, height			
	and type of container and its			
	characteristics.			
Movement date	The date on which livestock or	Yes	Bill of lading/Air Waybill,	
	other products (e.g., feed, raw		Certificate of Analysis	
	milk or milk products) were		Export, Export	
	transported between locations.		Health/Government	
			Certificate,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Transfer Declaration,	
			Transporter management	
			records	
Net Weight	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
(Kilograms)	barcode, the Net Weight is a		Export Health/Government	information
	variable measure of the trade		Certificate, Manufacturers	visit the GS1
	item e.g., carton, pallet or		Declaration of Compliance,	website.
	shipment recorded in kilograms.		Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			management records	
Official Seal Serial	This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper-evident		Export Health/Government	information
	seal issued by the Department.		Certificate, Official Seal,	visit the GS1
			Organic Goods Certificate,	website.
			Packing List, Transporter	
			management records	
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract was		Transporter management	
	raised by the buyer.		records	_
Organic Goods	A unique number allocated to	Yes	Organic Goods Certificate,	For more
Certificate Number	the Organic Goods Certificate		Transporter management	information
	for traceability purposes.		records	visit the
				Department of
				Agriculture,
				Water and the
				Environment
Packaging Date	Encoded in the GS1 barcode,	Yes	Certificate of Analysis	website. For more
(YYMMDD)	the Packaging Date is the date	162	Export, Transporter	information
	on which the item was		management records	visit the GS1
	packaged and is recorded in the		management records	website.
	format year, month, day			website.
	(YYMMDD).			
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are homogeneous	. 05	Certificate of Analysis (COA),	
	or generally considered as		Certificate of Analysis (COA),	
	substitutes for each other. The		Export, Delivery	
	class is considered as narrow or		Docket/Manifest,	
		1		

	broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.		Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk	Yes	Certificate of Analysis (COA), Transporter management records	

	Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate			
Quantity	Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts. This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or produced (e.g., retail items).		Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a	Yes	Certificate of Analysis (COA), Transporter management records	

	identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents.			
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being	Yes	Organic Goods Certificate, Transporter management records	

Temperature requirements	supplied to subsequent entities and may include operator or business name, address, telephone number etc. This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	 (chilled product); unrefrigerated. This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken. 	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	

Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
'	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg		records	
Unit of measure	The unit of measure relating to	Yes	Importer/Exporter	
	a specific quantity.		Agreement, Purchase Order,	
			Transporter management	
			records	

5.2.3.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Milk Inputs system include the movement of:

- * Container System Unit (Domestic)
- * Container System Unit (Import)

off the premises, or supply chain sector.

Event related to	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
the inputs			
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Import Permit, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Transporter management records	

Table 43. Physical outputs and associated Critical Tracking Event related documents for dairy milk inputs system.

5.2.3.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 44. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy milk inputs system.

 Description of the Attributes (including KDEs)	related documents	More details
	(including electronic)	

Applysis Data	This is the date on which a	Var	Contificate of Analysis (COA)	
Analysis Date	product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate.	Yes	Organic Goods Certificate, Transporter management records	

	It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.			
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter	

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			Agreement, Transporter	
		Maria	management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties		Agreement, Transporter	
	begins.	Maria	management records	F
Count of Trade	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Imported Food Inspection	information
	trade items e.g., cartons in the		Advice, Importer/Exporter	visit the GS1
	logistic unit.		Agreement, Manufacturers Declaration of Compliance,	website.
			Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			· · · ·	
Country of origin	This includes where the product	Yes	management records	
Country of origin	was manufactured and the	res	Bill of lading/Air Waybill,	
			Transporter management records	
	origin of components if required		records	
Dairy Licence	by the import conditions. State food authorities require	Yes	Importer/Exporter	Formoro
number	all businesses that produce,	162	Agreement, Transporter	For more information
number	process, store or transport dairy		management records	visit the Dairy
	products to hold a dairy licence		management records	Australia
	for compliance with food safety			website.
	standards.			website.
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
Date	which a record entry or	100	Certificate of Analysis (COA),	
	transaction was made.		Certificate of Analysis	
			Export, Delivery	
			Docket/Manifest, Export	
			Health/Government	
			Certificate,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Receipt of purchase/Tax	
			Invoice, Transfer	
			Declaration, Transporter	
			management records	
Declaration	This is a statement made by the	Yes	Manufacturers Declaration	For more
statement	dispatching establishment or		of Compliance, Transfer	information
	manufacturer of goods		Declaration, Transporter	visit the
	confirming that the information		management records	Department of
	on the document is true and			Agriculture,
	complete; that the food was			Water and the
	manufactured and processed in			Environment
	accordance with the Export			website.
	Control (Milk and Milk Products)			
	Rules 2021 and the applicable			
	approved arrangements; the			
	goods are compliant with			

	importing country requirements.			
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter	For more information visit the GS1 website.

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		Var	Agreement, Importers Declaration Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate,	

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			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Transfer Declaration,	
			Transporter management	
			records	
Net Weight	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
(Kilograms)	barcode, the Net Weight is a		Export Health/Government	information
	variable measure of the trade		Certificate, Manufacturers	visit the GS1
	item e.g., carton, pallet or		Declaration of Compliance,	website.
	shipment recorded in kilograms.		Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			management records	
Official Seal Serial	This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper-evident		Export Health/Government	information
	seal issued by the Department.		Certificate, Official Seal,	visit the GS1
	coal located by the Department.		Organic Goods Certificate,	website.
			Packing List, Transporter	<u>website.</u>
			management records	
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract was	163	Transporter management	
	raised by the buyer.		records	
Organic Goods		Yes		Formara
Organic Goods	A unique number allocated to	res	Organic Goods Certificate,	For more
Certificate Number	the Organic Goods Certificate		Transporter management	information
	for traceability purposes.		records	visit the
				Department of
				Agriculture,
				Water and the
				Environment
				website.
Packaging Date	Encoded in the GS1 barcode,	Yes	Certificate of Analysis	For more
(YYMMDD)	the Packaging Date is the date		Export, Transporter	information
	on which the item was		management records	visit the GS1
	packaged and is recorded in the			website.
	format year, month, day			
-	(YYMMDD).			
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are homogeneous		Certificate of Analysis (COA),	
	or generally considered as		Certificate of Analysis	
	substitutes for each other. The		Export, Delivery	
	class is considered as narrow or		Docket/Manifest,	
	broad depending on how		Importer/Exporter	
	substitutable the various		Agreement, Importers	
	products are. For example,		Declaration, Manufacturers	
	hard, soft, semi-soft cheese.		Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			Transfer Declaration,	
			Transporter management	
			records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Certificate of Analysis (COA),	
l	satisfies, company of enterprise	i		1

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	chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.		Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management	
			records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	
Production Date	This is the date on which	Yes	Manufacturers Declaration	For more
(YYMMDD)	product was processed or produced and is recorded in the format year, month, day (YYMMDD).		of Compliance, Transfer Declaration, Transporter management records	information visit the GS1 website.
Purchase Order	A unique number assigned to a	Yes	Delivery Docket/Manifest,	
number	purchase or order usually requested by a customer and is linked to the work order number/production order.		Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Transporter management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
Iccup Date: 25 th July 2022	products supplied or produced (e.g., retail items).		Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of	

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			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	This is an 11-digit registration	Yes	Certificate of Analysis (COA),	
Australian Business	number, issued by the		Certificate of Analysis	
Number (ABN)	Australian Tax Office, used to		Export, Importer/Exporter	
	identify businesses.		Agreement, Purchase Order,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	These are identifying details of	Yes	Bill of lading/Air Waybill,	
Details	the persons or business		Certificate of Analysis (COA),	
	receiving or purchasing items		Certificate of Analysis	
	from another entity and may		Export, Delivery	
	include operator or business		Docket/Manifest, Export	
	name, address, telephone		Health/Government	
	number etc.		Certificate,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
			management records	
Sample number	This is the number identifying	Yes	Certificate of Analysis (COA),	
Sample number	the unique sample taken from a	105	Transporter management	
	lot. For milk samples, each milk		records	
	sample is labelled with a unique			
	sample number for			
	identification purposes which is			
	incorporated into the Milk			
	sample barcode along with the			
	suppliers unique Farm ID			
	number or Milk Supply			
	Agreement contract number.			
	Two types of milk samples are			
	taken by the tanker operator at milk collection and			
	differentiated by the colour of			
	the sample cap. These include a			
	composite sample; samples			
	from each of the milk vats to			
	identify any inhibitory			
	substances, cleaning and			
	cooling issues, and a			
	compositional sample; to			
	determine the Somatic Cell			
	Count (SCC), protein, and butter			
	fat content for quality and			
	composition purposes. For			
	packaged product, this will be a			
	test lot identifier, a unique			
	identifier that is allocated to all			
<u> </u>				

Shipping Mark	cartons, pallets and shipping containers for which an analysis sample represents. Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	

	(chilled product); unrefrigerated.			
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

- 5.2.3.1.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Other data sources

5.2.3.1.6 Supply Chain Node Traceability

Product transiting from import and export sectors is, like all other dairy product, traceable to any number of source properties and not the live animal. Receival or shipping of Container System Units which store dairy product inside large tins, cases, cartons and bags, can be traced through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a single container load with 600 cartons of bulk and/or retail ready dairy product, from a single processor may be received or shipped from an exporting country or from an importing country respectively. 200 cartons within the load were produced by the processor from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the product could have come from any of 72 farms.

5.2.3.1.7 Data flow diagrams

Direction	Description
Input	FURTHER PROCESSING RECEIVING to Milk Inputs
Output	Milk Inputs to Receiving Silo

Table 45. Data flow diagrams for the inputs and outputs of a dairy milk inputs system.

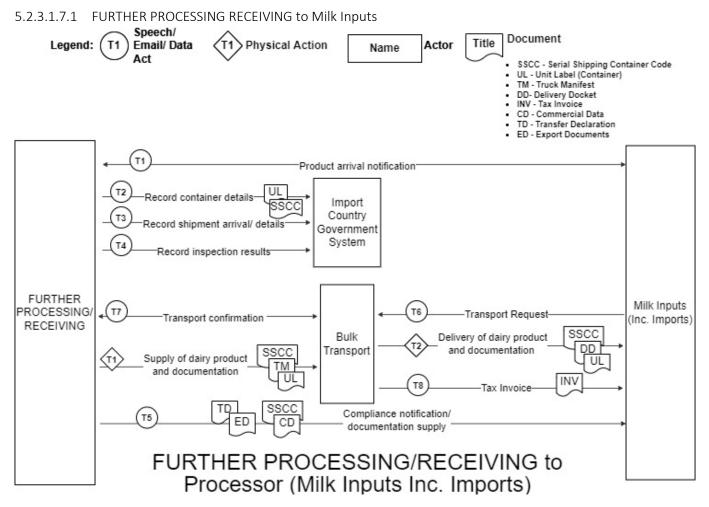


Figure 38. Data or information flows from FURTHER PROCESSING/RECEIVING to Processor (Milk Inputs Including Imports) systems in the dairy supply chain.

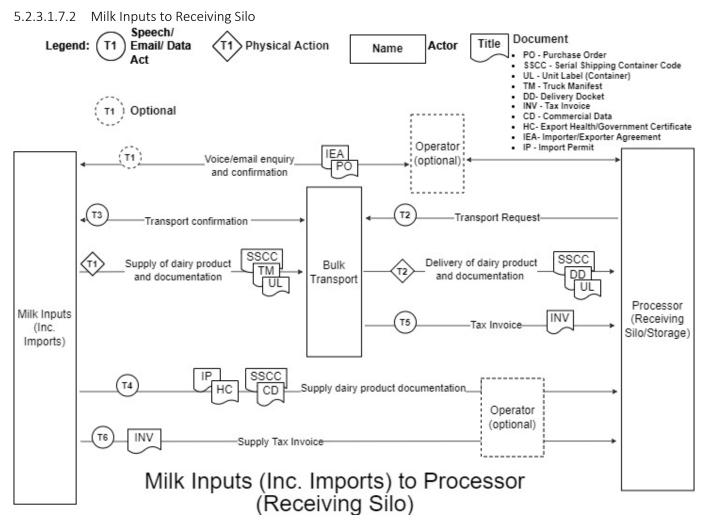


Figure 39. Data or information flows from Processor (Milk Inputs Including Imports) to Processor (Receiving Silo) systems in the dairy supply chain.

5.2.3.2 Import Inspection Facility

After being exported from the country of origin, product first arrives at the Australian import inspection facility. This is generally the port of entry where product and transportation documentation are checked for compliance with legislated requirements and biosecurity standards. This may include product inspection and sample analysis before being cleared for release into the domestic market.

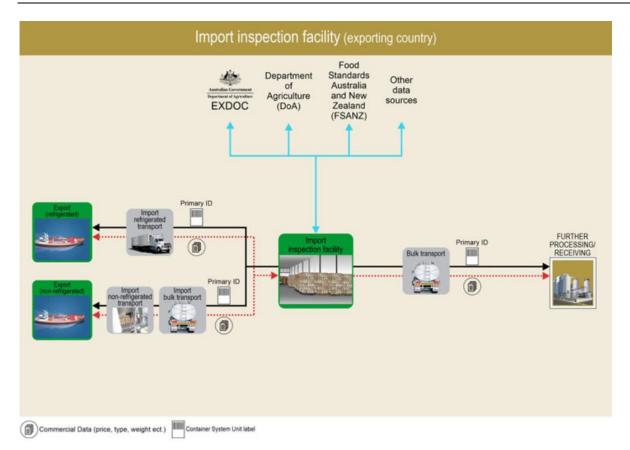


Figure 40. Inputs and outputs of the dairy supply chain import inspection facility (exporting country) sector.

5.2.3.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Inspection Facility system include the receival of: * Container System Unit (Import).

Table 46. Physical inputs and associated Critical Tracking Event related documents for a dairy import inspection facility (exporting country) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container	A container designed	Bill of lading/Air Waybill, Certificate of Analysis Export,	
System Unit	for use as a unit of	Container System Unit label, Delivery Docket/Manifest,	
(Import)	cargo handling equipment in the transport of goods by aircraft or ship.	Export Health/Government Certificate, Importer/Exporter Agreement, Import Permit, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

5.2.3.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs) Analysis Date Arrival date	Description of the Attributes (including KDEs) This is the date on which a product sample was analysed in a YYMMDD format. This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the	Is a KDE Yes Yes	Critical Tracking Event (CTE) related documents (including electronic) Certificate of Analysis Export, Transporter management records Transfer Declaration, Transporter management records	More details
Authorised Signee Details	receiving location/establishment. These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	

Table 47. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import inspection facility (exporting country) system.

Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	

Contract number	This is a unique number	Yes	Delivery Docket/Manifest,	
	allocated to the contract by the		Importer/Exporter	
	contract administrator.		Agreement, Transporter	
			management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties		Agreement, Transporter	
	begins.		management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Delivery	This is a unique number	Yes	Delivery Docket/Manifest,	
Docket/Manifest	allocated to the docket for		Transporter management	
number	identification purposes.		records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer	For more information visit the GS1 website.

				,
			Declaration, Transporter	
<u> </u>			management records	
Gross Weight	This is the total weight of the	Yes	Bill of lading/Air Waybill,	
(Kilograms)	goods including packaging		Organic Goods Certificate,	
	(Kilograms) and excluding the		Packing List, Transporter	
	tare weight of the transport unit.		management records	
ICS Importer Code	This is the Integrated Cargo	Yes	Importers Declaration,	
	System (ICS) unique code issued		Transporter management	
	to the importer of the		records	
	consignment.			
ICS Producer Code	This is the Integrated Cargo	Yes	Importers Declaration,	
	System (ICS) unique code issued		Transporter management	
	to the producer of the		records	
	consignment.			
Import Permit	A unique permit number is	Yes	Export Health/Government	For more
Number	allocated for the import		Certificate, Import Permit,	information
	consignment following		Transporter management	<u>visit the</u>
	submission of correct and		records	Department of
	validated documentation			Agriculture,
	approved by the importing			Water and the
	country.			Environment
				website.
Imported Food	A unique certificate number	Yes	Transporter management	For more
Inspection Advice	issued for traceability purposes.		records	information
certificate number				visit the
				Department of
				Agriculture,
				Water and the
				Environment
				website.
Invoice number	This is a unique number	Yes	Packing List, Receipt of	
	allocated to the invoice by the		purchase/Tax Invoice,	
	supplier or receiver of purchased		Transporter management	
	items/products for payment		records	
	tracking purposes.			
ISO code	A code allocated to the	Yes	Container System Unit	
	container system unit by the		label, Transporter	
	International Container Bureau		management records	
	that describes length, height and		0	
	type of container and its			
	characteristics.			
Movement date	The date on which livestock or	Yes	Bill of lading/Air Waybill,	
	other products (e.g., feed, raw	-	Certificate of Analysis	
	milk or milk products) were		Export, Export	
	transported between locations.		Health/Government	
			Certificate,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Transfer Declaration,	
			Transporter management	
			records	
		1	records	

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Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	

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Production batches/lot numbers Production Date (YYMMDD)	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo. This is the date on which product was processed or produced and is recorded in the format year,	Yes	Bill of lading/Air Waybill, Packing List, Transfer Declaration, Transporter management records Transfer Declaration, Transporter management records	For more information visit the GS1
	month, day (YYMMDD).			website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government	For more information visit the Department of Agriculture,

	last nine digits of the		Certificate, Transporter	Water and the
	consignment SSCC.		management records	Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of

<u>г</u>			l .	
	export) will be/were distributed			<u>Agriculture,</u>
	to. For transfer declarations, the			Water and the
	Establishment numbers for both			Environment
	the dispatching and receiving			website.
	establishments are recorded.			
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	<u>visit the</u>
	location used in international		management records	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged or			Environment
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, Transporter	
	that says what the product is. It		management records	
	may include information such as			
	net weight of product, name and			
	address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
	product were transported. For		Certificate, Organic Goods	
	shipments of product this will be		Certificate, Packing List,	
	a shipping container number.		Transporter management	
			records	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg		records	
Unit of measure	The unit of measure relating to a	Yes	Importer/Exporter	
Unit of measure		Yes	Importer/Exporter Agreement, Purchase	
Unit of measure	The unit of measure relating to a	Yes		

5.2.3.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the [insert node name] system include the movement of:

* Container System Unit (Import)

off the premises, or supply chain sector.

Table 48. Physical outputs and associated Critical Tracking Event related documents for dairy import inspection facility (exporting country) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container	A container designed	Bill of lading/Air Waybill, Certificate of Analysis Export,	
System Unit	for use as a unit of	Container System Unit label, Delivery Docket/Manifest,	
(Import)	cargo handling	Export Health/Government Certificate, Food Control	
	equipment in the	Certificate, Import Permit, Imported Food Inspection	
	transport of goods by	Advice, Importer/Exporter Agreement, Importers	
	aircraft or ship.	Declaration, Manufacturers Declaration of Compliance,	
		Official Seal, Organic Goods Certificate, Packing List,	
		Purchase Order, Receipt of purchase/Tax Invoice,	
		Transporter management records	

5.2.3.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 49. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import inspection facility (exporting country) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air	A unique document number	Yes	Bill of lading/Air Waybill,	For more
Waybill document number	issued for traceability purposes.		Certificate of Analysis Export, Organic Goods Certificate,	information visit the

Certificate of Analysis Export test lot identifier Certificate of Analysis number	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents. A unique certificate number issued for traceability purposes.	Yes	Packing List, Transporter management records Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter	Department of Agriculture, Water and the Environment website.
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	management records Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Food Control Certificate, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which	Yes	Container System Unit label, Organic Goods Certificate,	

	identifies the Container		Packing List, Transporter	
	System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.		management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Food Control Certificate, Imported Food Inspection Advice, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Food Control Certificate, Importer/Exporter Agreement, Importers Declaration, Packing List,	

Delivery Docket/Manifest number Export Health/Government Certificate Number	This is a unique number allocated to the docket for identification purposes. A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Purchase Order, Receipt of purchase/Tax Invoice, Transporter management records Delivery Docket/Manifest, Transporter management records Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Food Control Certificate, Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest,	For more information

Gross Weight (Kilograms)	 identify specific trade items, products, or services and is linked to the product name. This is the total weight of the goods including packaging (Kilograms) and excluding the 	Yes	Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter	visit the GS1 website.
ICS Importer Code	tare weight of the transport unit. This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	management records Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Food Control Certificate, Importer/Exporter Agreement, Organic Goods	

			Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	

				ı
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Packing List, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Supplier	This is an 11 digit registration	Vac	Bill of loding (Air Moubill	Formara
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis Export,	information
Number (ABN)	Australian Tax Office, used to		Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Purchase Order,	website.
			Receipt of purchase/Tax	
			Invoice, Transporter	
C		Maria	management records	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to		Delivery Docket/Manifest,	
	another entity and may		Export Health/Government	
	include operator or business		Certificate,	
	name, address, telephone		Importer/Exporter	
	number etc.		Agreement, Importers	
			Declaration, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transporter	
Cupply Chain	These are the identifying	Vee	management records	
Supply Chain	These are the identifying	Yes	Organic Goods Certificate,	
Supplier/Vendor Details	details of the persons or		Transporter management records	
Details	business, previous to the		records	
	current owner, who were operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the	103	Agreement, Packing List,	
requirements	temperature requirements for		Transporter management	
	the goods whilst in transport		records	
	including storage at less than -			
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
Temperature/Time	This is the temperature of milk	Yes	Transporter management	
	or milk products at various		records	
	stages along the supply chain			
	such as milking, and collection			
	for transport and is always			
	recorded with the time at			
	which the measurement was			
	taken.			
To Establishment	A number issued by Federal	Yes	Importer/Exporter	For more
number	and State Authorities to		Agreement, Transporter	information
	identify the receiving site of		management records	visit the
	which milk or milk products		_	Department of
	(intended for export) will			Agriculture,
	be/were distributed to. For			Water and the
	transfer declarations, the			Environment
	Establishment numbers for			website.
	both the dispatching and	1		

	receiving establishments are			
	recorded.			
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Food Control Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Food Control Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.3.2.5 Regulatory and Industry Programs

- * Export Documentation System (EXDOC)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.3.2.6 Supply Chain Node Traceability

Product transiting from import and export sectors is, like all other dairy product, traceable to any number of source properties and not the live animal. Receival or shipping of Container System Units which store dairy product inside large tins, cases, cartons, and bags, can be traced through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a single container load with 600 cartons of bulk and/or retail ready dairy product, from a single processor may be received or shipped from an exporting country or from an importing country respectively. 200 cartons within the load were produced by the processor from a combination of domestic and imported dairy

ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the product could have come from any of 72 farms.

5.2.3.2.7 Data flow diagrams

Direction	Description
Input	Export (refrigerated) to Import Inspection Facility
Input	Export (non-refrigerated) to Import Inspection Facility
Output	Import Inspection Facility to FURTHER PROCESSING/RECEIVING

Table 50. Data flow diagrams for the inputs and outputs of a dairy import inspection facility (exporting country) system.

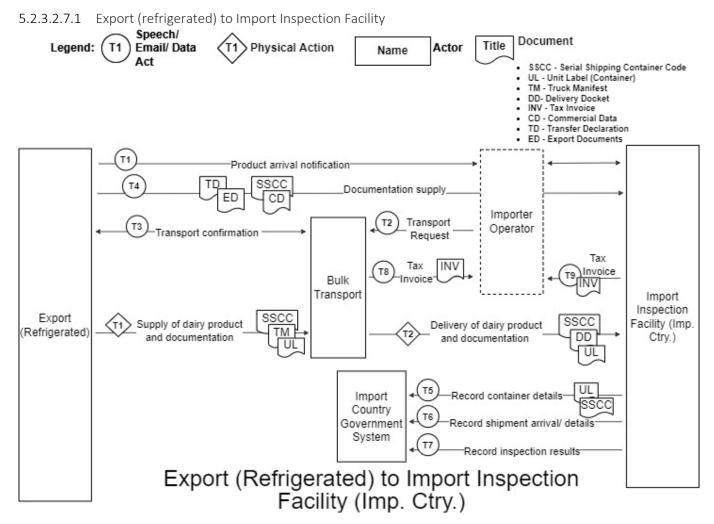


Figure 41. Data or information flows from Export (Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

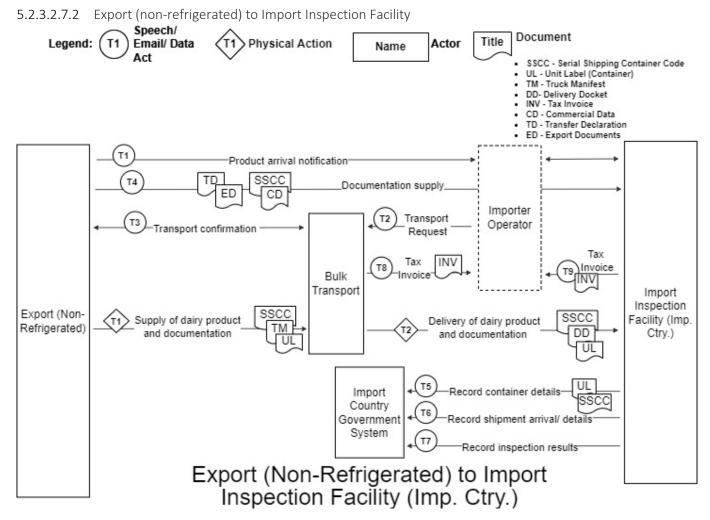


Figure 42. Data or information flows from Export (Non-Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

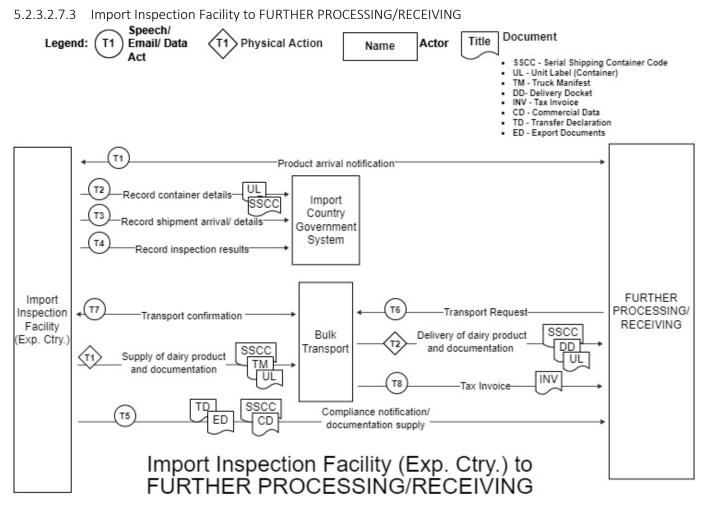


Figure 43. Data or information flows from Import Inspection Facility (Exporting Country) to FURTHER PROCESSING/RECEIVING systems in the dairy supply chain.

5.2.3.3 Cold Store Logistics

Storing dairy products (e.g., pallets) typically provides a stock buffer between production and dispatch of product intended for domestic or export markets. A warehouse logistics storage system is an establishment, separate to a processing establishment, which performs activities the same as that for a warehouse/loadout facility integrated into a processing plant. However, product from multiple suppliers may be stored and/combined for dispatch. A cold storage facility involves refrigerated chambers that can chill or freeze any perishable product for a period of time before dispatch. Storage rooms must take into account the storage requirements for different products as well as rules for loading, maintenance and hygiene of storage equipment.

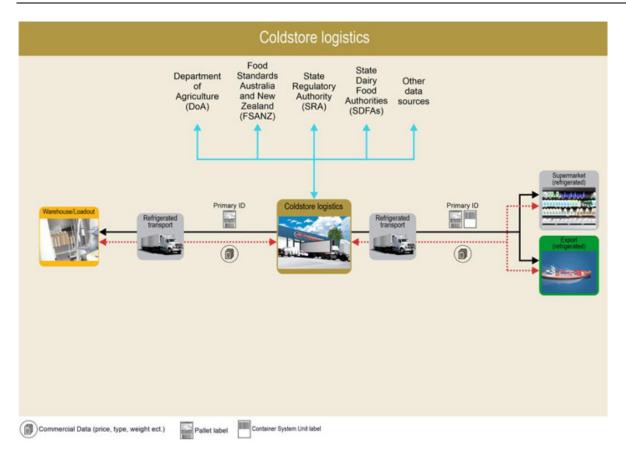


Figure 44. Inputs and outputs of the dairy supply chain cold store logistics sector.

5.2.3.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Coldstore Logistics system include the receival of: * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records, Delivery Docket/Manifest	

Table 51. Physical inputs and associated Critical Tracking Event related documents for a dairy cold store logistics system.

5.2.3.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Logistics management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest,	

Table 52. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy cold store logistics system.

			Logistics	
			management records	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Logistics management records, Receipt of purchase/Tax Invoice	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistics management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.

	constructing the unit. The SSCC remains the same for the life of the			
	logistic unit.			
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Logistics management records, SSCC/Pallet label	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistics management records, Purchase Order	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	For more information visit the ATO website.

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Supplier/Vendor	These are the identifying details of	Yes	Delivery	
Details	the persons or business supplying		Docket/Manifest,	
	items to another entity and may		Logistics	
	include operator or business name,		management records,	
	address, telephone number etc.		Purchase Order,	
			SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or	Yes	Logistics	
	milk products at various stages along		management records	
	the supply chain such as milking, and			
	collection for transport and is always			
	recorded with the time at which the			
	measurement was taken.			
Trade description	Required on the packaging of	Yes	Logistics	
	products indented for export, this is		management records,	
	a collective set of words that says		SSCC/Pallet label	
	what the product is. It may include			
	information such as net weight of			
	product, name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transporter Details	These are the identifying details of	Yes	Delivery	
	the persons or business transporting		Docket/Manifest,	
	items to another entity and may		Logistics	
	include operator or business name,		management records	
	address, telephone number etc.			
Unit of measure	The unit of measure relating to a	Yes	Logistics	
	specific quantity.		management records,	
			Purchase Order	

5.2.3.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Cold Store Logistics system include the movement of: * Pallet

* Container System Unit (Export)

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records, Delivery Docket/Manifest	

Container	A container designed	Bill of lading/Air Waybill, Certificate of Analysis Export,	
System Unit (Export)	for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Logistics management records	

5.2.3.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 54. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy cold store logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Logistics management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Logistics management records, Transfer Declaration	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Logistics management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistics management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Logistics management records	

Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Logistics management records, Organic Goods Certificate	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Logistics management records, Organic Goods Certificate	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Logistics management records, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Logistics management records, Organic Goods Certificate, Packing List	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Logistics management records, Packing List	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Logistics management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records	

Contract start data	This is the data are which are	Vac	Incortor / Evenenter	,
Contract start date	This is the date on which an agreement between two parties	Yes	Importer/Exporter Agreement, Logistics	
	с I			
Count of Trade	begins.	Vee	management records	E a u una a una
	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Importer/Exporter	information
	trade items e.g., cartons in the		Agreement, Logistics	visit the GS1
	logistic unit.		management records,	website.
			Manufacturers Declaration	
			of Compliance, Organic Goods Certificate, Packing	
			List, SSCC/Pallet label,	
			Transfer Declaration	
Country of origin	This includes where the product	Yes	Bill of lading/Air Waybill,	For more
Country of origin	This includes where the product was manufactured and the	res	Logistics management	For more information
	origin of components if required		records, SSCC/Pallet label	visit the
	by the import conditions.		records, SSCC/Pallet label	Department of
	by the import conditions.			Agriculture,
				Water and the
				Environment
				website.
Dairy Licence	State food authorities require all	Yes	Importer/Exporter	WENDILE.
number	businesses that produce,	105	Agreement, Logistics	
namber	process, store or transport dairy		management records	
	products to hold a dairy licence			
	for compliance with food safety			
	standards.			
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
	which a record entry or		Certificate of Analysis	
	transaction was made.		Export, Delivery	
			Docket/Manifest, Export	
			Health/Government	
			Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Logistics	
			management records,	
			Manufacturers Declaration	
			of Compliance, Packing List,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration	
Declaration	This is a statement made by the	Yes	Logistics management	For more
statement	dispatching establishment or		records, Manufacturers	information
	manufacturer of goods		Declaration of Compliance,	visit the
	confirming that the information		Transfer Declaration	Department of
	on the document is true and			Agriculture,
	complete; that the food was			Water and the
	manufactured and processed in			Environment
	accordance with the Export			website.
	Control (Milk and Milk Products)			
	Rules 2021 and the applicable			
	approved arrangements; the			
	goods are compliant with			
	importing country			
1	requirements.	1		

Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Logistics management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Logistics management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Logistics management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Logistics management records, Logistics management records, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Logistics management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	For more information visit the GS1 website.

Gross Weight	This is the total weight of the	Yes	Bill of lading/Air Waybill,	
(Kilograms)	goods including packaging (Kilograms) and excluding the tare weight of the transport unit.		Logistics management records, Organic Goods Certificate, Packing List	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Logistics management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Logistics management records, Logistics management records, Packing List, Receipt of purchase/Tax Invoice	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Logistics management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Logistics management records, Organic Goods Certificate, Packing List, Transfer Declaration	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.

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	Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption			
	by an Authorised Officer.			
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistics management records, Official Seal, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistics management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Logistics management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Logistics management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Logistics	

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	substitutable the various products are. For example, hard, soft, semi-soft cheese.		management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Logistics management records, Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Logistics management records, Manufacturers Declaration of Compliance, Transfer Declaration	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records, Packing List, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Logistics management records,	For more information visit the ATO website.

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			Purchase Order, Transfer	
			Declaration	
Receiver/Buyer Details Shipping Mark	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Logistics management records, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration Bill of lading/Air Waybill,	For more
	is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.		Certificate of Analysis Export, Export Health/Government Certificate, Logistics management records	information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or	Yes	Logistics management records, Organic Goods Certificate	

	business name, address,			
	telephone number etc.			
Tomporaturo	This is a statement of instruction	Yes	Importor/Exportor	
Temperature requirements	specifying the temperature	162	Importer/Exporter Agreement, Logistics	
requirements				
	requirements for the goods		management records,	
	whilst in transport including		Packing List, Transfer	
	storage at less than -18 degrees		Declaration	
	Celsius (frozen product); -5			
	degrees or less (chilled product);			
	unrefrigerated.			
Temperature/Time	This is the temperature of milk	Yes	Logistics management	
	or milk products at various		records	
	stages along the supply chain			
	such as milking, and collection			
	for transport and is always			
	recorded with the time at which			
	the measurement was taken.			
To Establishment	A number issued by Federal and	Yes	Importer/Exporter	For more
number	State Authorities to identify the		Agreement, Logistics	information
	receiving site of which milk or		management records,	<u>visit the</u>
	milk products (intended for		Transfer Declaration	Department of
	export) will be/were distributed			<u>Agriculture,</u>
	to. For transfer declarations, the			Water and the
	Establishment numbers for both			Environment
	the dispatching and receiving			website.
	establishments are recorded.			
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Logistics management	information
	identification code of any		records, Organic Goods	<u>visit the</u>
	location used in international		Certificate, Packing List	Department of
	trade and transport (e.g.,			Agriculture,
	seaport, airports etc.) from			Water and the
	where goods are discharged or			Environment
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Logistics	
	this is a collective set of words		management records,	
	that says what the product is. It		Organic Goods Certificate,	
	may include information such as		SSCC/Pallet label	
	net weight of product, name			
	and address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
0	product were transported. For		Certificate, Logistics	
	shipments of product this will		management records,	
	be a shipping container number.		Organic Goods Certificate,	
			Packing List	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Logistics management	
	chooses to give a product	1	Logistics management	

	created e.g., Organic Salt Reduced Mozzarella 1Kg		records, Transfer Declaration	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Logistics management records, Purchase Order	

5.2.3.3.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.3.3.6 Supply Chain Node Traceability

Palletised dairy product entering the logistics system will include packaged cartons with one or multiple Batches/Lot Numbers that can be identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

For example, 100 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are ready to be transferred into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.3.3.7 Data flow diagrams

Direction	Description
Input	Warehouse/Loadout to Cold Store Logistics
Output	Cold Store Logistics to Supermarket (refrigerated)
Output	Cold Store Logistics to Export (refrigerated)

Table 55. Data flow diagrams for the inputs and outputs of a dairy cold store logistics system.



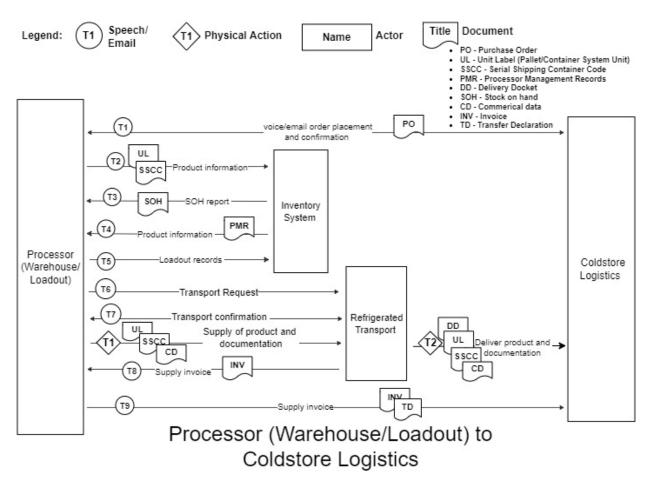
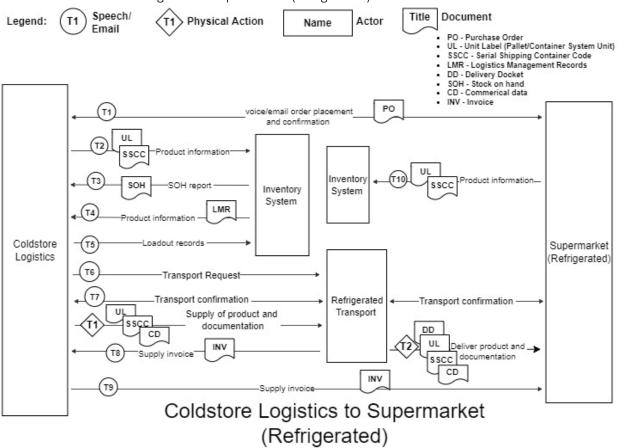
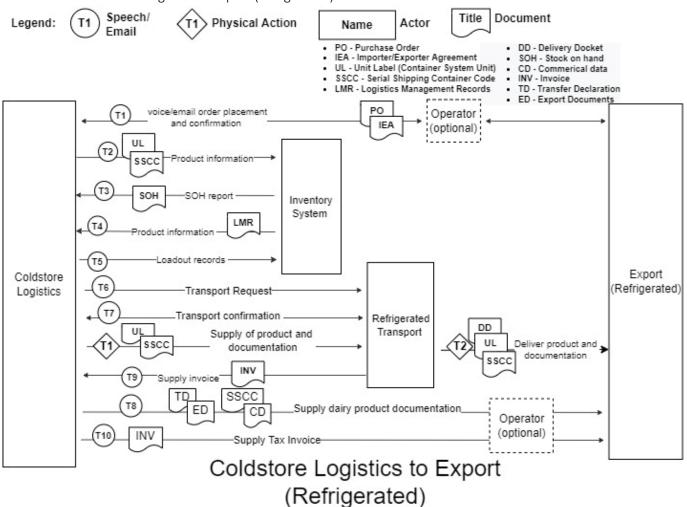


Figure 45. Data or information flows from Processor (Warehouse/Loadout) to Cold store Logistics systems in the dairy supply chain.



5.2.3.3.7.2 Cold Store Logistics to Supermarket (refrigerated)

Figure 46. Data or information flows from Cold store Logistics to Supermarket (Refrigerated) systems in the dairy supply chain.



5.2.3.3.7.3 Cold Store Logistics to Export (refrigerated)

Figure 47. Data or information flows from Cold store Logistics to Export (Refrigerated) systems in the dairy supply chain.

5.2.3.4 Warehouse Logistics

Storing dairy products (e.g., pallets) typically provides a stock buffer between production and dispatch of product intended for domestic or export markets. A warehouse logistics storage system is an establishment, separate to a processing establishment, which performs activities the same as that for a warehouse/loadout facility integrated into a processing plant. However, product from multiple suppliers may be stored and/combined for dispatch. A warehouse logistics facility involves non-refrigerated bays or chambers where non-perishable product is organized, managed, and stored for a period of time before dispatch. Storage rooms must consider the storage requirements for different products as well as rules for loading, maintenance, and hygiene of storage equipment.

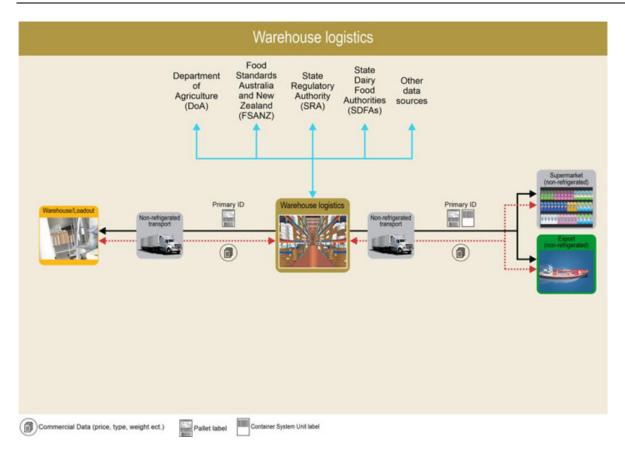


Figure 48. Inputs and outputs of the dairy supply chain warehouse logistics sector.

5.2.3.4.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Warehouse Logistics system include the receival of: * Pallet.

Table 56. Physical inputs and associated Critical Tracking Event related documents for a dairy warehouse logistics system.				
Event	Description of the inputs	Critical Tracking Event (CTE) related documents	Ν	

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records, Delivery Docket/Manifest	

5.2.3.4.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Logistics management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Logistics management records, SSCC/Pallet label	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Logistics management records	

Table 57. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy warehouse logistic system.

				_
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Logistics management records, Receipt of purchase/Tax Invoice	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistics management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC	Yes	Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.

	remains the same for the life of the logistic unit.			
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Logistics management records, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Logistics management records, SSCC/Pallet label	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistics management records, Purchase Order	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Logistics management records, Purchase Order	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistics management records, Purchase Order, Receipt of purchase/Tax Invoice	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may	Yes	Delivery Docket/Manifest, Logistics	

	include operator or business name,		management records,	
	address, telephone number etc.		Purchase Order,	
			SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or	Yes	Logistics	
	milk products at various stages along		management records	
	the supply chain such as milking, and			
	collection for transport and is always			
	recorded with the time at which the			
	measurement was taken.			
Trade description	Required on the packaging of	Yes	Logistics	
	products indented for export, this is		management records,	
	a collective set of words that says		SSCC/Pallet label	
	what the product is. It may include			
	information such as net weight of			
	product, name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transporter Details	These are the identifying details of	Yes	Logistics	
	the persons or business transporting		management records	
	items to another entity and may			
	include operator or business name,			
	address, telephone number etc.			
Unit of measure	The unit of measure relating to a	Yes	Logistics	
	specific quantity.		management records,	
			Purchase Order	

5.2.3.4.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Warehouse Logistics system include the movement of: * Pallet

* Container System Unit (Export)

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records, Delivery Docket/Manifest	
Container System Unit	A container designed for use as a unit of	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest,	
(Export)	cargo handling equipment in the	Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration	

Table 58. Physical outputs and associated Critical Tracking Event related documents for a dairy warehouse logistics system.

transport of goods by aircraft or ship.	of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Logistics management records	
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5.2.3.4.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 59. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy warehouse logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Logistics management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Logistics management records, Transfer Declaration	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Logistics management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistics management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Logistics management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Logistics management records, Organic Goods Certificate	

				,
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Logistics management records, Organic Goods Certificate	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Logistics management records, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Logistics management records, Organic Goods Certificate, Packing List	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Logistics management records, Packing List	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Logistics management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Logistics management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Logistics	For more information

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	trade items e.g., cartons in the logistic unit.		management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration	visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Logistics management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Logistics management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Logistics management records, Manufacturers Declaration of Compliance, Transfer Declaration	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Logistics management records	

Export	A unique number allocated to the	Yes	Export Health/Government	For more
Health/Government Certificate Number	Health/Government Certificate export consignment for traceability purposes.		Certificate, Logistics management records, Organic Goods Certificate	information visit the Department of Agriculture, Water and the Environment
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Logistics management records, Organic Goods Certificate	website. For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Logistics management records, Logistics management records, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Logistics management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order,	For more information visit the GS1 website.

			SSCC/Dellet lebel Trensfor	
			SSCC/Pallet label, Transfer Declaration	
Cross Waight	This is the total weight of the	Vac		
Gross Weight	This is the total weight of the	Yes	Bill of lading/Air Waybill,	
(Kilograms)	goods including packaging		Logistics management	
	(Kilograms) and excluding the tare		records, Organic Goods	
	weight of the transport unit.		Certificate, Packing List	-
Import Permit	A unique permit number is	Yes	Export Health/Government	For more
Number	allocated for the import		Certificate, Logistics	information
	consignment following submission		management records	visit the
	of correct and validated			Department of
	documentation approved by the			
	importing country.			Agriculture,
				Water and
				the F
				Environment
				website.
Invoice number	This is a unique number allocated	Yes	Logistics management	
	to the invoice by the supplier or		records, Logistics	
	receiver of purchased		management records,	
	items/products for payment		Packing List, Receipt of	
	tracking purposes.		purchase/Tax Invoice	
ISO code	A code allocated to the container	Yes	Container System Unit label,	
	system unit by the International		Logistics management	
	Container Bureau that describes		records	
	length, height and type of			
NA	container and its characteristics.	Max		
Movement date	The date on which livestock or	Yes	Bill of lading/Air Waybill,	
	other products (e.g., feed, raw milk		Certificate of Analysis	
	or milk products) were transported		Export, Export	
	between locations.		Health/Government	
			Certificate,	
			Importer/Exporter	
			Agreement, Logistics	
			management records,	
			Organic Goods Certificate,	
			Packing List, Transfer	
Night VA/gite by	Lineally an angle of in the CC1	Vee	Declaration	F a a a a a
Net Weight	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
(Kilograms)	barcode, the Net Weight is a		Export Health/Government	information
	variable measure of the trade item		Certificate, Logistics	visit the GS1
	e.g., carton, pallet or shipment		management records,	website.
	recorded in kilograms.		Manufacturers Declaration	
			of Compliance, Organic	
			Goods Certificate, Packing	
			List, SSCC/Pallet label,	
Official mark	Official marks are market labels	Voc	Transfer Declaration	Formara
	Official marks are market labels,	Yes	Logistics management	For more
	tags or other seals applied to		records, SSCC/Pallet label	information
	products exported from Australia.			visit the
	Each type of label has specific mark			Department
	dimensions. There are strict			<u>of</u>
	conditions set out to comply with			Agriculture,
	export requirements. Official			Water and

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	marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.			<u>the</u> <u>Environment</u> <u>website.</u>
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistics management records, Official Seal, Organic Goods Certificate, Packing List	For more information visit the GS1 website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistics management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Logistics management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Logistics management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Logistics management records, SSCC/Pallet label	
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Logistics management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter	

	depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.		Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Logistics management records, Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Logistics management records, Manufacturers Declaration of Compliance, Transfer Declaration	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records, Packing List, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistics management records, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Logistics management records,	For more information visit the ATO website.

Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Purchase Order, Transfer Declaration Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Logistics management records, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Logistics management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Logistics management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to	Yes	Logistics management records, Organic Goods Certificate	

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	subsequent entities and may			
	include operator or business name,			
	address, telephone number etc.			
Temperature	This is a statement of instruction	Yes	Importer/Exporter	
requirements	specifying the temperature		Agreement, Logistics	
	requirements for the goods whilst		management records,	
	in transport including storage at		Packing List, Transfer	
	less than -18 degrees Celsius		Declaration	
	(frozen product); -5 degrees or less			
	(chilled product); unrefrigerated.			
Temperature/Time	This is the temperature of milk or	Yes	Logistics management	
remperature/ mile	milk products at various stages	163	records	
			records	
	along the supply chain such as			
	milking, and collection for			
	transport and is always recorded			
	with the time at which the			
	measurement was taken.			
To Establishment	A number issued by Federal and	Yes	Importer/Exporter	For more
number	State Authorities to identify the		Agreement, Logistics	information
	receiving site of which milk or milk		management records,	visit the
	products (intended for export) will		Transfer Declaration	Department
	be/were distributed to. For			of
	transfer declarations, the			Agriculture,
	Establishment numbers for both			Water and
	the dispatching and receiving			the F
	establishments are recorded.			Environment
				website.
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the identification		Logistics management	information
	code of any location used in		records, Organic Goods	<u>visit the</u>
	international trade and transport		Certificate, Packing List	Department
	(e.g., seaport, airports etc.) from			of
	where goods are discharged or			Agriculture,
	unloaded.			Water and
				the
				Environment
				website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export, this	. 03	Certificate, Logistics	
	is a collective set of words that		management records,	
			- · · · ·	
	says what the product is. It may		Organic Goods Certificate,	
	include information such as net		SSCC/Pallet label	
	weight of product, name and			
	address of establishments,			
	ingredients, directions for use etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
	product were transported. For		Certificate, Logistics	
	shipments of product this will be a		management records,	
	shipping container number.		Organic Goods Certificate,	
			Packing List	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise	163	Delivery Docket/Manifest,	
	business, company or enterprise	1	Delivery DUCKet/ Widfillest,	

	chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg		Logistics management records, Transfer Declaration	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Logistics management records, Purchase Order	

5.2.3.4.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.3.4.6 Supply Chain Node Traceability

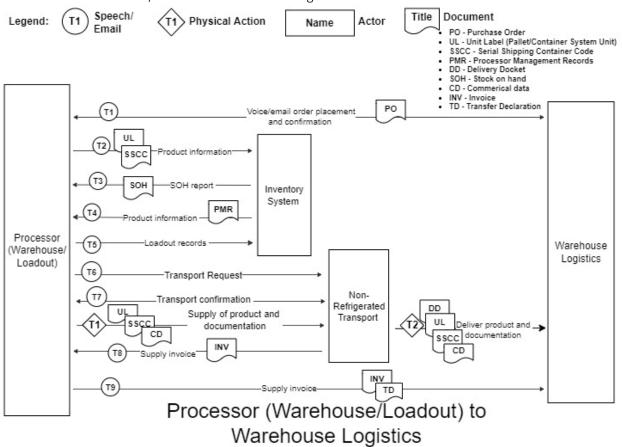
Palletised dairy product entering the logistics system will include packaged cartons with one or multiple Batches/Lot Numbers that can be identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

For example, 100 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are ready to be transferred into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.3.4.7 Data flow diagrams

Direction	Description
Input	Warehouse/Loadout to Warehouse Logistics
Output	Warehouse Logistics to Supermarket (non-refrigerated)
Output	Warehouse Logistics to Export (non-refrigerated)

Table 60. Data flow diagrams for the inputs and outputs of a dairy warehouse logistics system.



5.2.3.4.7.1 Warehouse/Loadout to Warehouse Logistics

Figure 49. Data or information flows from Processor (Warehouse/Loadout) to Warehouse Logistics systems in the dairy supply chain.

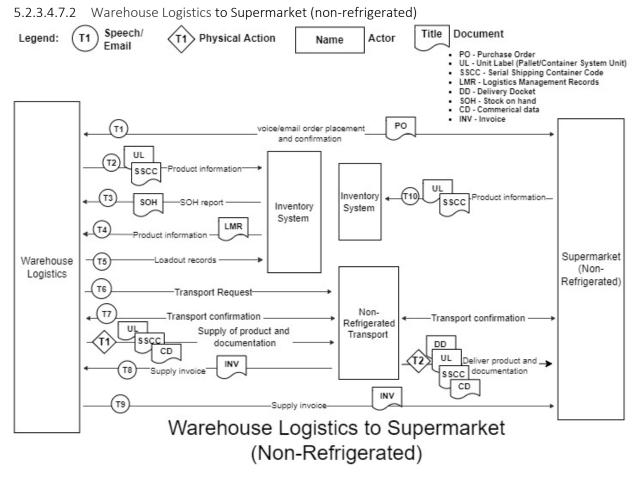
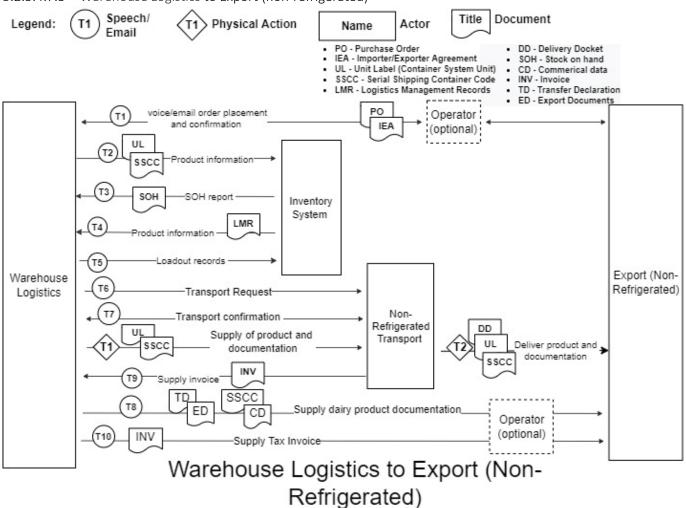


Figure 50. Data or information flows from Warehouse Logistics to Supermarket (Non-Refrigerated) systems in the dairy supply chain.



5.2.3.4.7.3 Warehouse Logistics to Export (non-refrigerated)

Figure 51. Data or information flows from Warehouse Logistics to Export (Non-Refrigerated) systems in the dairy supply chain.

5.2.3.5 Supermarket (refrigerated)

Supermarkets are product distribution centres whereby retail ready dairy product is sourced from suppliers (processors, warehouse facilities). These distribution centres may be chain or retail stores which market goods, sourced from individual suppliers, for purchase by consumers. Wet or cold dairy products such as milk, cream, cheese, or ice cream etc. must be kept refrigerated or frozen at the appropriate temperature to maintain shelf-life, product quality and food safety, thus being retailed from refrigeration or freezer units. All products must be labelled according to the country's food labelling standards (e.g., Food Standards Code FSANZ for Australian and New Zealand products).

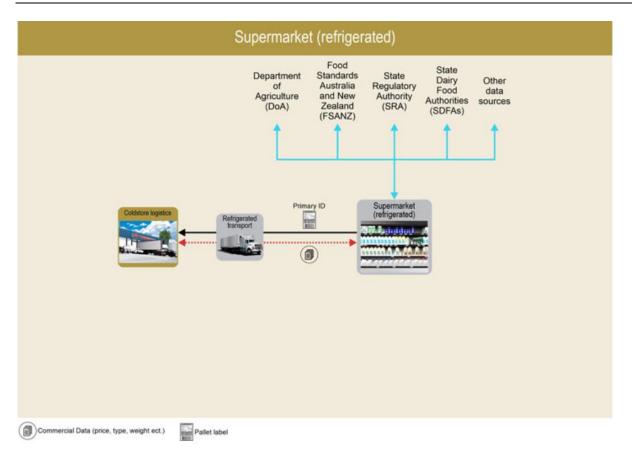


Figure 52. Inputs and outputs of the dairy supply chain supermarket (refrigerated) sector.

5.2.3.5.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Supermarket (refrigerated) system include the receival of: * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Retailer management records, Delivery Docket/Manifest	

Table 61. Physical inputs and associated Critical Tracking Event related documents for a dairy supermarket (refrigerated) system.

5.2.3.5.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 62. Information inputs, Key Data Elements and Critical Tracking Event related documentation for dairy supermarket (refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Retailer management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Retailer management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.

				1
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Retailer management records	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice, Retailer management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Retailer	

			management records	
Packaging Date (YYMMDD) Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD). Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains	Yes	Retailer management records, SSCC/Pallet label Retailer management records, SSCC/Pallet label	For more information visit the GS1 website. For more information visit the GS1 website.
Product class	the same for the life of the logistic unit. A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Retailer management records, SSCC/Pallet label	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or	Yes	Delivery Docket/Manifest,	

Supplier/Vendor Australian Business Number (ABN)	purchasing items from another entity and may include operator or business name, address, telephone number etc. This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Retailer management records	
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Retailer management records, SSCC/Pallet label	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Retailer management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Purchase Order, Retailer management records	

5.2.3.5.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Supermarket (refrigerated) system include the movement of:

* Retail ready product

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Retail ready	These are packaged meat products that	Retail product label, Retailer	
product	are ready to be retailed and purchased	management records, Receipt of	
	by consumers.	purchase/Tax Invoice	

Table 63. Physical outputs and associated Critical Tracking Event related documents for a dairy supermarket (refrigerated) system.

5.2.3.5.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 64. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy supermarket (refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retail product label, Retailer management records	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice, Retail product label, Retailer management records	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retail product label, Retailer management records	For more information visit the Department of Agriculture, Water and the Environment website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Receipt of purchase/Tax Invoice, Retailer management records	

Global Trade Item	Encoded on the ITE 14 or CC1 the	Vac	Potail product	Formere
Number (GTIN)	Encoded on the ITF-14 or GS1, the	Yes	Retail product label, Retailer	For more information visit
Number (GTIN)	GTIN is a globally unique 14-digit			
	number used to identify specific trade		management	the GS1 website.
	items, products, or services and is		records	
	linked to the product name.			
Invoice number	This is a unique number allocated to	Yes	Receipt of	
	the invoice by the supplier or receiver		purchase/Tax	
	of purchased items/products for		Invoice, Retailer	
	payment tracking purposes.		management	
			records	
Net Weight	Usually encoded in the GS1 barcode,	Yes	Retail product	For more
(Kilograms)	the Net Weight is a variable measure		label, Retailer	information visit
	of the trade item e.g., carton, pallet or		management	the GS1 website.
	shipment recorded in kilograms.		records	
Packaging Date	Encoded in the GS1 barcode, the	Yes	Retail product	For more
(YYMMDD)	Packaging Date is the date on which		label, Retailer	information visit
	the item was packaged and is recorded		management	the GS1 website.
	in the format year, month, day		records	
	(YYMMDD).			
Product class	A product class is a group of products	Yes	Retail product	
	that are homogeneous or generally		label, Retailer	
	considered as substitutes for each		management	
	other. The class is considered as		records	
	narrow or broad depending on how			
	substitutable the various products are.			
	For example, hard, soft, semi-soft			
	cheese.			
Product name	This is a unique name that a business,	Yes	Retail product	
	company or enterprise chooses to give		label, Retailer	
	a product created e.g., Organic Salt		management	
	Reduced Mozzarella 1Kg.		records	
Production	This is a unique number which	Yes	Retail product	
batches/lot numbers	identifies products (e.g., ingredients,		label, Retailer	
	commodities, products, chemicals)		management	
	sharing certain production		records	
	characteristics and is used for			
	traceability purposes. Note that			
	multiple batches may be produced by			
	a given unit of product e.g., a milk silo.			
Quantity	This amount or volume of products	Yes	Receipt of	
Quantity	supplied or produced (e.g., retail		purchase/Tax	
	items).		Invoice, Retailer	
	itemsj.		management	
			records	
Serial Number	Encoded in the GS1 barcode, this is a	Yes	Retail product	For more
Senai Nullivel	code, numeric or alphanumeric,	162	label, Retailer	For more information visit
	assigned to an individual instance of			
	an item for its lifetime.		management	the GS1 website.
Supplier/Vander		Vac	records Receipt of	
Supplier/Vendor	This is an 11-digit registration number,	Yes	Receipt of	
Australian Business	issued by the Australian Tax Office,		purchase/Tax	
Number (ABN)	used to identify businesses.		Invoice, Retailer	
			management	
			records	

Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Retail product label, Retailer management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Retailer management records	

5.2.3.5.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

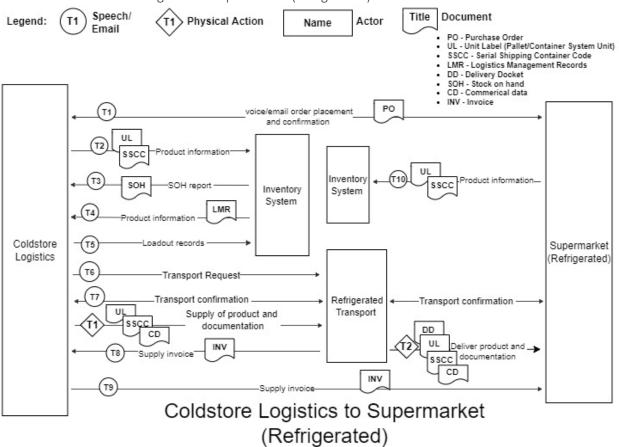
5.2.3.5.6 Supply Chain Node Traceability

Like cartoned product, the traceability of retail ready product is only possible back to several source properties, and not to the individual live animal. For example, 5 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are transferred into the supermarket system. These 5 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 5 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.3.5.7 Data flow diagrams

Direction	Description
Input	Cold Store Logistics to Supermarket (refrigerated)

Table 65. Data flow diagrams for the inputs and outputs of a dairy supermarket (refrigerated) system.



5.2.3.5.7.1 Cold Store Logistics to Supermarket (refrigerated)

Figure 53. Data or information flows from Cold store Logistics to Supermarket (Refrigerated) systems in the dairy supply chain.

5.2.3.6 Supermarket (non-refrigerated)

Supermarkets are product distribution centres whereby retail ready dairy product is sourced from suppliers (processors, warehouse facilities). These distribution centres may be chain or retail stores which market goods, sourced from individual suppliers, for purchase by consumers. Dry dairy products such as milk powders or Ultra-High Temperature (UHT) products such as long-life milk do not require refrigeration and therefore are typically segregated from refrigerated dairy products in supermarkets, being retailed on dry goods shelving. All products must be labelled according to the country's food labelling standards (e.g., Food Standards Code FSANZ for Australian and New Zealand products).

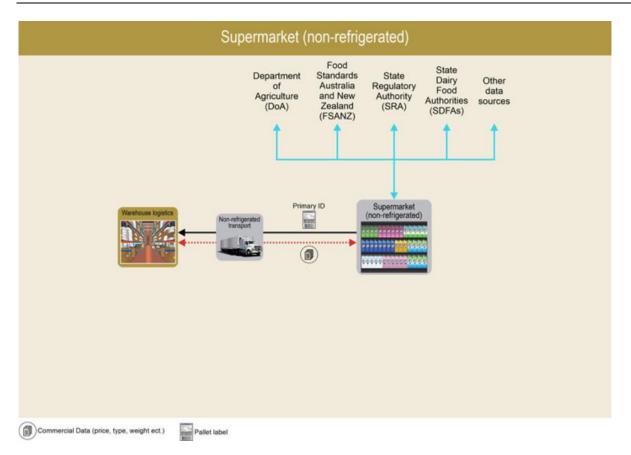


Figure 54. Inputs and outputs of the dairy supply chain supermarket (non-refrigerated) sector.

5.2.3.6.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Supermarket (refrigerated) system include the receival of: * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Retailer management records, Delivery Docket/Manifest	

Table 66. Physical inputs and associated Critical Tracking Event related documents for a dairy supermarket (non-refrigerated) system.

5.2.3.6.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 67. Information inputs, Key Data Elements and Critical Tracking Event related documentation for dairy supermarket (non-refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Retailer management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Retailer management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.

				1
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Retailer management records	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Receipt of purchase/Tax Invoice, Retailer management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Retailer	

			management records	
Packaging Date (YYMMDD) Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD). Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains	Yes	Retailer management records, SSCC/Pallet label Retailer management records, SSCC/Pallet label	For more information visit the GS1 website. For more information visit the GS1 website.
Product class	the same for the life of the logistic unit. A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Retailer management records, SSCC/Pallet label	
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or	Yes	Delivery Docket/Manifest,	

Supplier/Vendor Australian Business Number (ABN)	purchasing items from another entity and may include operator or business name, address, telephone number etc. This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records Purchase Order, Receipt of purchase/Tax Invoice, Retailer management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records, SSCC/Pallet label	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Retailer management records	
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Retailer management records, SSCC/Pallet label	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Retailer management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Purchase Order, Retailer management records	

5.2.3.6.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Supermarket (refrigerated) system include the movement of:

* Retail ready product

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Retail ready	These are packaged meat products that	Retail product label, Retailer	
product	are ready to be retailed and purchased	management records, Receipt of	
	by consumers.	purchase/Tax Invoice	

Table 68. Physical outputs and associated Critical Tracking Event related documents for a dairy supermarket (non-refrigerated) system.

5.2.3.6.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 69. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy supermarket (non-refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retail product label, Retailer management records	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice, Retail product label, Retailer management records	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retail product label, Retailer management records	For more information visit the Department of Agriculture, Water and the Environment website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Receipt of purchase/Tax Invoice, Retailer management records	

Global Trade Item	Encoded on the ITE 14 or CC1 the	Vac	Potail product	Formere
Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit	Yes	Retail product label, Retailer	For more information visit
Number (Grin)	number used to identify specific trade		management	the GS1 website.
			records	the GST website.
	items, products, or services and is		records	
lucial an annala an	linked to the product name.	Vee	Dessint of	
Invoice number	This is a unique number allocated to	Yes	Receipt of	
	the invoice by the supplier or receiver		purchase/Tax	
	of purchased items/products for		Invoice, Retailer	
	payment tracking purposes.		management	
			records	_
Net Weight	Usually encoded in the GS1 barcode,	Yes	Retail product	For more
(Kilograms)	the Net Weight is a variable measure		label, Retailer	information visit
	of the trade item e.g., carton, pallet or		management	the GS1 website.
	shipment recorded in kilograms.		records	
Packaging Date	Encoded in the GS1 barcode, the	Yes	Retail product	For more
(YYMMDD)	Packaging Date is the date on which		label, Retailer	information visit
	the item was packaged and is recorded		management	the GS1 website.
	in the format year, month, day		records	
	(YYMMDD).			
Product class	A product class is a group of products	Yes	Retail product	
	that are homogeneous or generally		label, Retailer	
	considered as substitutes for each		management	
	other. The class is considered as		records	
	narrow or broad depending on how			
	substitutable the various products are.			
	For example, hard, soft, semi-soft			
	cheese.			
Product name	This is a unique name that a business,	Yes	Retail product	
	company or enterprise chooses to give		label, Retailer	
	a product created e.g., Organic Salt		management	
	Reduced Mozzarella 1Kg.		records	
Production	This is a unique number which	Yes	Retail product	
batches/lot numbers	identifies products (e.g., ingredients,		label, Retailer	
	commodities, products, chemicals)		management	
	sharing certain production		records	
	characteristics and is used for			
	traceability purposes. Note that			
	multiple batches may be produced by			
	a given unit of product e.g., a milk silo.			
Quantity	This amount or volume of products	Yes	Receipt of	
	supplied or produced (e.g., retail		, purchase/Tax	
	items).		Invoice, Retailer	
	,		management	
			records	
Serial Number	Encoded in the GS1 barcode, this is a	Yes	Retail product	For more
	code, numeric or alphanumeric,		label, Retailer	information visit
	assigned to an individual instance of		management	the GS1 website.
	an item for its lifetime.		records	
Supplier/Vendor	This is an 11-digit registration number,	Yes	Receipt of	
Australian Business	issued by the Australian Tax Office,	. 05	purchase/Tax	
Number (ABN)	used to identify businesses.		Invoice, Retailer	
			management	
			records	
			records	

Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Retail product label, Retailer management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Retailer management records	

- 5.2.3.6.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.3.6.6 Supply Chain Node Traceability

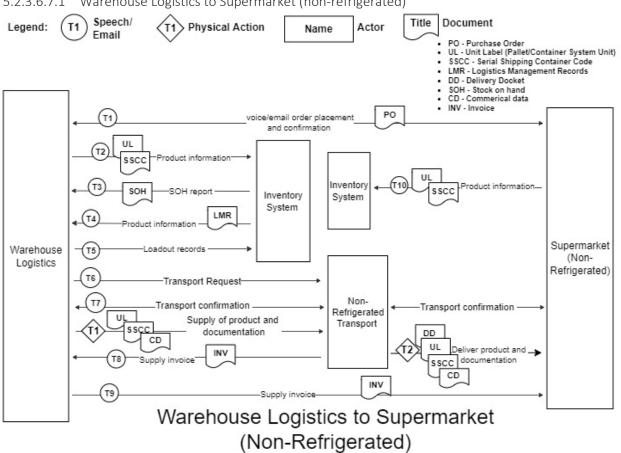
Like cartoned product, the traceability of retail ready product is only possible back to several source properties, and not to the individual live animal. For example, 5 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are transferred into the supermarket system. These 5 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 5 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.3.6.7 Data flow diagrams

	-	-	-		-		-			
Direction			D	escription						

Table 70. Data flow diagrams for the inputs and outputs of a dairy supermarket (non-refrigerated) system.

Direction	Description
Input	Warehouse Logistics to Supermarket (non-refrigerated)



5.2.3.6.7.1 Warehouse Logistics to Supermarket (non-refrigerated)

5.2.4 Exporting Country - Cross-sector

5.2.4.1 Fresh Milk Tanker

The fresh milk tanker is the transporter link between the dairy farm and the milk processor. Milk is collected daily from multiple producers with the tanker operator being required to assess milk quality, measure and record milk volume and temperature, take quality samples and rinse milk vats. On arrival at the processor, milk is transferred to the receiving storage unit, samples submitted for analysis, and records filed for management and traceability purposes. All instructions provided by the company must be observed.

Figure 55. Data or information flows from Warehouse Logistics to Supermarket (Non-Refrigerated) systems in the dairy supply chain.

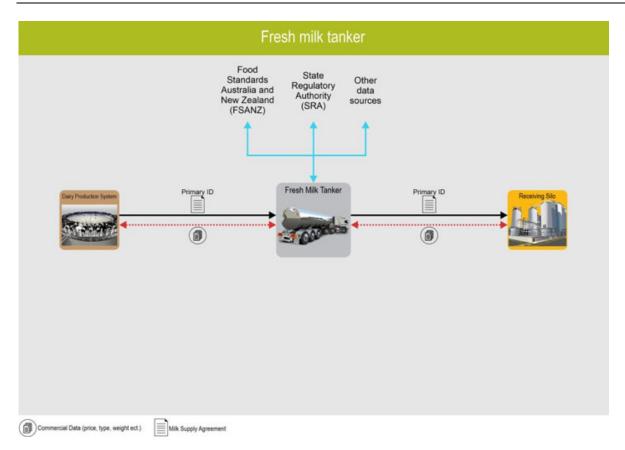


Figure 56. Inputs and outputs of the dairy supply chain fresh milk tanker sector.

5.2.4.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Fresh Milk Tanker system include the receival of: * Bulk raw milk.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bulk raw milk	Raw milk produced by dairy cattle which is collected into a common container and purchased by a processor. This may be supplied from an individual or multiple dairies.	Dairy production records, Milk Delivery Receipt, Milk sample label, Milk Supply Agreement (MSA), Milk Collection Run Sheet	

Table 71. Physical inputs and associated Critical Tracking Event related documents for a dairy fresh milk tanker system.

5.2.4.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Animal ID	These are individual animal identifiers which may include any type of ear tag, branding, collars, or National Livestock Identification/RFID Tags etc.	Yes	Dairy production records	
Bulk milk tank/vat number	Where more than one bulk milk tank/vat exists at the point of collection, each vat is allocated an identification number and milk records made against this.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt	For more information visit the Dairy Australia website.
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Milk Supply Agreement	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Milk Supply Agreement	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Milk Supply Agreement	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Farm Identification number	This is the identifying code of the property/farm or supplier of milk issued by the processor under an initial Milk Supply Agreement and is used throughout the dairy supply process (closely linked with the Milk Supply Agreement contract number) for the identification and traceability of various outputs including milk samples. The Farm Identification number is usually identified by the milk tankers GPS coordinates on arrival at the collection site.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	For more information visit the GS1 website.

Table 72. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy fresh milk tanker system.

Milk sample barcode	Each milk sample is labelled with a unique	Yes	Milk Sample	For more
number	barcode including a combination of the	163	Label	information
number	suppliers unique Farm Identification number		Label	visit the Dairy
	(closely linked to the Milk Supply Agreement			Australia
	contract number) and the milk sample			website.
	number.			website.
Milk sample number	Each milk sample is labelled with a unique	Yes	Milk Collection	For more
Mink Sample Humber	sample number for identification purposes	103	Run Sheet, Milk	information
	which is incorporated into the Milk sample		Delivery	visit the Dairy
	barcode along with the suppliers unique		Receipt, Milk	Australia
	Farm ID number or Milk Supply Agreement		Sample Label	website.
	contract number. Two types of milk samples			<u>menoneer</u>
	are taken by the tanker operator at milk			
	collection and differentiated by the colour of			
	the sample cap. These include a composite			
	sample; samples from each of the milk vats			
	to identify any inhibitory substances,			
	cleaning and cooling issues, and a			
	compositional sample; to determine the			
	Somatic Cell Count (SCC), protein, and butter			
	fat content for quality and composition			
	purposes.			
Milk Supply	This is a unique number allocated to the Milk	Yes	Milk Collection	For more
Agreement contract	Supply Agreement contract by the contract		Run Sheet, Milk	information
number	administrator or processor. Once an initial		Delivery	visit the Dairy
	contract is administered, the supplier or		Receipt, Milk	<u>Australia</u>
	farm is issued a farm identification number		Sample Label,	website.
	and both the Milk Supply Agreement		Milk Supply	
	contract number and Farm Identification		Agreement	
	number are used for raw milk traceability			
	purposes.			
Movement date	The date on which livestock or other	Yes	Milk Collection	
	products (e.g., feed, raw milk or milk		Run Sheet, Milk	
	products) were transported between		Delivery Receipt	
	locations.			
Product class	A product class is a group of products that	Yes	Milk Collection	
	are homogeneous or generally considered as		Run Sheet, Milk	
	substitutes for each other. The class is		Delivery Receipt	
	considered as narrow or broad depending on			
	how substitutable the various products are.			
	For example, hard, soft, semi-soft cheese.			
Product name	This is a unique name that a business,	Yes	Milk Collection	
	company or enterprise chooses to give a		Run Sheet,, Milk	
	product created e.g., Organic Salt Reduced		Delivery Receipt	
Due du et la colt	Mozzarella 1Kg.	N -	Deim	
Production time	This is the time at which raw products were	Yes	Dairy	
	collected/harvested or products		production	
	manufactured/produced at a specific		records, Milk	
Quality	location (Farm ID or establishment).	Vec	Delivery Receipt	
Quality	The milk quality standards and parameters	Yes	Milk Supply	
	agreed to by the supplier and receiver of		Agreement	
	milk, as well as those which meet the FSANZ			
	Food Standards Code. These usually include			

			1	
Receiver/Buyer Australian Business Number (ABN) Receiver/Buyer Details	parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts. This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses. These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address,	Yes	Milk Supply Agreement Milk Collection Run Sheet, Milk Delivery Receipt, Milk	
	telephone number etc.		Sample Label, Milk Supply Agreement	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Milk Supply Agreement	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt	For more information visit the Dairy Australia website.
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Transport trailer number	This is the unique number allocated to the transport vehicle or trailer for identification purposes.	Yes	Milk Collection Run Sheet	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Dairy production records, Milk Collection Run Sheet, Milk Delivery Receipt, Milk	

	Supply	
	Agreement	

5.2.4.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Fresh Milk Tanker system include the movement of: * Bulk raw milk

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bulk raw milk	Raw milk produced by dairy cattle which is collected into a common container and purchased by a processor. This may be supplied from an individual or multiple dairies.	Milk Delivery Receipt, Milk sample label, Milk Supply Agreement (MSA), Milk Collection Run Sheet, Certificate of Analysis (COA)	

Table 73. Physical outputs and associated Critical Tracking Event related documents for a dairy fresh milk tanker system.

5.2.4.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 74. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy fresh milk tanker system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA)	
Bulk milk tank/vat number	Where more than one bulk milk tank/vat exists at the point of collection, each vat is allocated an identification number and milk records made against this.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	For more information visit the Dairy Australia website.
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA)	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Milk Supply Agreement	

Contract start date	This is the date on which an agreement between two parties begins.	Yes	Milk Supply Agreement	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Agreement	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement	
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Farm Identification number	This is the identifying code of the property/farm or supplier of milk issued by the processor under an initial Milk Supply Agreement and is used throughout the dairy supply process (closely linked with the Milk Supply Agreement contract number) for the identification and traceability of various outputs including milk samples. The Farm Identification number is usually identified by the milk tankers GPS coordinates on arrival at the collection site.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	For more information visit the Dairy <u>Australia</u> website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Certificate of Analysis (COA) Milk Collection Run Sheet Milk Delivery Receipt	For more information visit the GS1 website.
Milk sample barcode number	Each milk sample is labelled with a unique barcode including a combination of the suppliers unique Farm Identification number (closely linked to the Milk Supply Agreement contract number) and the milk sample number.	Yes	Certificate of Analysis (COA), Milk Sample Label	For more information visit the Dairy Australia website.
Milk sample number	Each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label	For more information visit the Dairy Australia website.

	butter fat content for quality and			
	composition purposes.			
Milk Supply Agreement contract number	This is a unique number allocated to the Milk Supply Agreement contract by the contract administrator or processor. Once an initial contract is administered, the supplier or farm is issued a farm identification number and both the Milk Supply Agreement contract number and Farm Identification number are used for raw milk traceability purposes.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample Label, Milk Supply Agreement	For more information visit the Dairy Australia website.
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt	
Production time	This is the time at which raw products were collected/harvested or products manufactured/produced at a specific location (Farm ID or establishment).	Yes	Milk Delivery Receipt	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Milk Supply Agreement	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Milk Supply Agreement	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Sample	

			Labol Mille	
			Label, Milk	
			Supply	
Consulo numbro	This is the summer an identify in a the suminus	Vee	Agreement	
Sample number	This is the number identifying the unique	Yes	Certificate of	
	sample taken from a lot. For milk samples,		Analysis (COA)	
	each milk sample is labelled with a unique			
	sample number for identification purposes			
	which is incorporated into the Milk sample			
	barcode along with the suppliers unique			
	Farm ID number or Milk Supply Agreement			
	contract number. Two types of milk			
	samples are taken by the tanker operator at			
	milk collection and differentiated by the			
	colour of the sample cap. These include a			
	composite sample; samples from each of the milk vats to identify any inhibitory			
	substances, cleaning and cooling issues, and			
	a compositional sample; to determine the			
	Somatic Cell Count (SCC), protein, and			
	butter fat content for quality and			
	composition purposes. For packaged			
	product, this will be a test lot identifier, a			
	unique identifier that is allocated to all			
	cartons, pallets and shipping containers for			
	which an analysis sample represents.			
Supplier/Vendor	This is an 11-digit registration number,	Yes	Certificate of	
Australian Business	issued by the Australian Tax Office, used to		Analysis (COA),	
Number (ABN)	identify businesses.		Milk Supply	
			Agreement	
Supplier/Vendor	These are the identifying details of the	Yes	Certificate of	
Details	persons or business supplying items to		Analysis (COA),	
	another entity and may include operator or		Milk Collection	
	business name, address, telephone number		Run Sheet, Milk	
	etc.		Delivery Receipt,	
			Milk Sample	
			Label, Milk	
			Supply	
			Agreement	
Temperature/Time	This is the temperature of milk or milk	Yes	Milk Collection	For more
	products at various stages along the supply		Run Sheet, Milk	information
	chain such as milking, and collection for		Delivery Receipt	visit the Dairy
	transport and is always recorded with the			Australia
.	time at which the measurement was taken.	V		website.
Transport	The registration number of the vehicle in	Yes	Milk Collection	
registration number	which the animals or product were		Run Sheet, Milk	
	transported. For shipments of product this		Delivery Receipt	
Transport trailor	will be a shipping container number.	Yes	Milk Collection	
Transport trailer number	This is the unique number allocated to the transport vehicle or trailer for identification	res	Run Sheet	
number			Run Sheet	
Transporter Dotails	purposes. These are the identifying details of the	Yes	Milk Collection	
Transporter Details	persons or business transporting items to	162	Run Sheet, Milk	
	another entity and may include operator or		Delivery Receipt	
	another entity and may include operator of	1	Derivery Receipt	

	business name, address, telephone number etc.		
Volume	This is the amount of raw milk in litres required by the buyer or supplied by a vendor. Volumetric measuring of total butterfat, total protein and total milk solids is undertaken to determine whether the volume of milk supplied is over or under that required by the Milk Supply Agreement.	Yes	Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement

5.2.4.1.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Farmers (ADF)
- * Australian Dairy Industry Council (ADIC)
- * Food Standards Australia and New Zealand (FSANZ)
- * State Regulatory Authority (SRA)
- * Other data sources

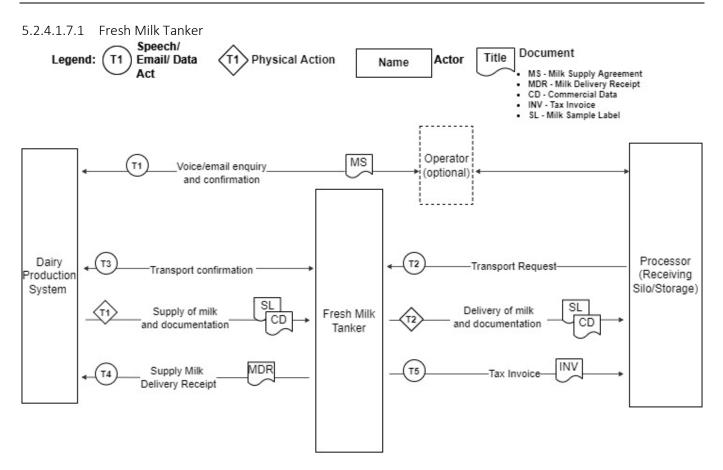
5.2.4.1.6 Supply Chain Node Traceability

Milk is transported from the Dairy Production System by a Fresh Milk Tanker, with one tanker carrying milk from one or multiple Dairy Production Systems. Therefore, milk from several production systems may be batched together with these systems being identified on the CTE documentation principally by the Farm Identification Number. On arrival at the processor, milk is transferred to the receiving silo/storage unit and may be combined with loads from several other milk tankers. Thus, one storage unit/silo may include batched milk from multiple properties. The specific Dairy Production Systems contributing to the batches are identified on CTE documentation with date and time stamps for loading and unloading of bulk raw milk into units.

5.2.4.1.7 Data flow diagrams

Table 75. Data flow diagrams for the inputs and outputs of a dairy fresh milk tanker system.

Direction	Description
Intermediate	Fresh Milk Tanker

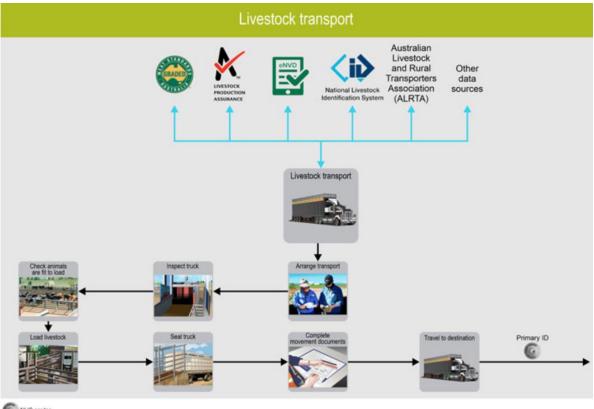


Fresh Milk Tanker

Figure 57. Data or information flows from the Fresh Milk Tanker system in the dairy supply chain.

5.2.4.2 Livestock transport

Livestock transport is the process whereby animals are moved from one property to another by a mode of transport, most commonly truck. This journey requires careful preparation to ensure that animal stress as well as any risks to welfare is minimised. The Australian Animal Welfare Standards and Guidelines – Land Transport and Livestock outline the transportation requirements for livestock movement and are regulated by State legislation. General guidelines state that the livestock should be fit for transport; handled correctly by professionals; that transportation facilities are adequate for the transfer of livestock; that the journey is planned to ensure delivery at the correct time; and that the livestock are cared for, protected, treated for any injury or disease, and supplied adequate feed, water and shelter for the duration of the transport.



NLIS ear tag

Figure 58. Inputs and outputs of the dairy supply chain livestock transport sector.

5.2.4.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Livestock Transport system include the receival of:

* Bobby calves

* Cull cows.

Table 76. Physical inputs and associated Critical Tracking Event related documents for a dairy livestock transport system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bobby calves	These are young cattle of less than thirty days of age and weighing less than 80kg that are typically sold for meat or raised for dairy beef.	NLIS Movement Update, NVD - Bobby calves, Receipt of purchase/Tax Invoice, State specific movement forms, Bobby calf feeding schedule	
Cull cows	These are any unwanted livestock to be removed from the herd due to factors such as poor performance or age.	NLIS Movement Update, NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	

5.2.4.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	National Vendor Declaration - Bobby Calves (NVD)	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, State specific movement forms	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Bobby calf feeding schedule, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
From PIC	The Property Identification Code from/to where the livestock were or products consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS	For more information visit the Integrity systems website.

Table 77. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy livestock transport system.

	1		N A a vision a set 1 los al a tra	
			Movement Update,	
			State specific	
		Maria	movement forms	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased	Yes	Receipt of purchase/Tax Invoice	
	items/products for payment tracking purposes.			
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Yes	Bobby calf feeding schedule	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the Integrity systems website.
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	

	multiple batches may be produced			
	by a given unit of product e.g., a milk			
	silo.			
Quantity	This amount or volume of products	Yes	National Vendor	
Quantity		res		
	supplied or produced (e.g., retail		Declaration - Bobby	
	items).		Calves (NVD), National	
			Vendor Declaration -	
			Cattle (NVD), Receipt	
			of purchase/Tax	
			Invoice	
Receiver/Buyer	These are identifying details of the	Yes	National Vendor	
Details	persons or business receiving or		Declaration - Bobby	
	purchasing items from another		Calves (NVD), National	
	entity and may include operator or		Vendor Declaration -	
	business name, address, telephone		Cattle (NVD)	
	number etc.			
Supplier/Vendor	This is an 11-digit registration	Yes	Receipt of	
Australian Business	number, issued by the Australian Tax		purchase/Tax Invoice	
Number (ABN)	Office, used to identify businesses.			
Supplier/Vendor	These are the identifying details of	Yes	National Vendor	
Details	the persons or business supplying		Declaration - Bobby	
	items to another entity and may		Calves (NVD), National	
	include operator or business name,		Vendor Declaration -	
	address, telephone number etc.		Cattle (NVD)	
Time of feeding	This is the time at which bobby	Yes	Bobby calf feeding	
	calves were last fed milk or milk		schedule	
	replacer and, combined with feeding		soneddie	
	end date, is important for ensuring			
	the welfare of the animals during the			
	transportation to slaughter process.			
	All calves must be fed within 6 hours			
	of transport and not be longer than 30 hours off feed.			
To PIC	The Property Identification Code	Yes	National Vendor	Formoro
TOPIC		res		For more
	from/to where the livestock or		Declaration - Bobby	information visit
	products were consigned.		Calves (NVD), National	the Integrity
			Vendor Declaration -	systems
			Cattle (NVD), NLIS	<u>website.</u>
			Movement Update,	
			State specific	
			movement forms	
Transport	The registration number of the	Yes	National Vendor	For more
registration number	vehicle in which the animals or		Declaration - Bobby	information visit
	product were transported. For		Calves (NVD), National	the Integrity
	shipments of product this will be a		Vendor Declaration -	<u>systems</u>
	shipping container number.		Cattle (NVD), State	website.
			specific movement	
			forms	
Transporter Details	These are the identifying details of	Yes	National Vendor	For more
	the persons or business transporting		Declaration - Bobby	information visit
	the persons of business transporting		200000000000000000000000000000000000000	
	items to another entity and may		Calves (NVD), National	the Integrity

Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

5.2.4.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Livestock Transport system include the movement of:

- * Bobby calves
- * Cull cows

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Bobby calves	These are young cattle of less than thirty days of age and weighing less than 80kg that are typically sold for meat or raised for dairy beef.	NLIS Movement Update, NVD - Bobby calves, Receipt of purchase/Tax Invoice, State specific movement forms, Bobby calf feeding schedule	
Cull cows	These are any unwanted livestock to be removed from the herd due to factors such as poor performance or age.	NLIS Movement Update, NVD - Cattle, Receipt of purchase/Tax Invoice, State specific movement forms	

Table 78. Physical outputs and associated Critical Tracking Event related documents for a dairy livestock transport system.

5.2.4.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 79. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy livestock transport system.

Attributes	Description of the Attributes	ls a	Critical Tracking Event	More details
(including KDEs)	(including KDEs)	KDE	(CTE) related	

			documents (including electronic)	
APVMA approval number	This is a unique number allocated to each label by the APVMA.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Australian Pesticides and Veterinary Medicine Authority.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Receipt of purchase/Tax Invoice	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	National Vendor Declaration - Bobby Calves (NVD)	For more information visit the Integrity systems website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice, State specific movement forms	
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	Bobby calf feeding schedule, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
From PIC	The Property Identification Code from/to where the livestock were or products consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Invoice number	This is a unique number allocated to the invoice by the supplier or	Yes	Receipt of purchase/Tax Invoice	

	receiver of purchased items/products for payment tracking			
	purposes.			
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Yes	Bobby calf feeding schedule	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	Yes	NLIS Movement Update	For more information visit the Integrity systems website.
NVD Serial Number	Each NVD form has a unique serial number.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update	For more information visit the Integrity systems website.
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	

Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Receipt of purchase/Tax Invoice	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	
Time of feeding	This is the time at which bobby calves were last fed milk or milk replacer and, combined with feeding end date, is important for ensuring the welfare of the animals during the transportation to slaughter process. All calves must be fed within 6 hours of transport and not be longer than 30 hours off feed.	Yes	Bobby calf feeding schedule	
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms	For more information visit the Integrity systems website.
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), State specific movement forms	For more information visit the Integrity systems website.
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	Yes	National Vendor Declaration - Bobby Calves (NVD), National	

			Vendor Declaration - Cattle (NVD)	
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	Yes	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)	For more information visit the Integrity systems website.

5.2.4.2.5 Regulatory and Industry Programs

- * Australian Livestock and Rural Transporters Association (ALRTA)
- * eNVD
- * Livestock Production Assurance (LPA)
- * Meat Standards Australia (MSA)
- * National Livestock Identification System (NLIS)
- * Other data sources

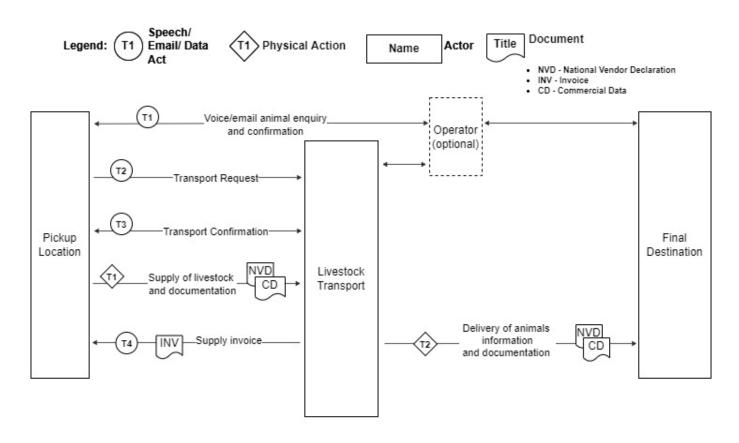
5.2.4.2.6 Supply Chain Node Traceability

The National Livestock Identification System (NLIS) is Australia's livestock traceability program which is administered by Integrity Systems Company (ISC). Where stipulated by State legislation and certain export markets, the NLIS system requires all animals bought, sold, and moved along the supply chain to be tagged with an accredited NLIS ID tag. In some states, these tags require only the visual display of the Property Identification Code (PIC), while other states require each tag to have an individualised NLIS tag number or Radio Frequency Identifier (RFID) for the traceability of the animal throughout its lifetime. Every property which holds livestock must have a Property Identification Code (PIC) to which the livestock are assigned in the NLIS Database. Each time livestock are transferred between PICs within Australia they must be accompanied by a livestock movement declaration, such as the National Vendor Declaration (NVD) form. This document typically outlines the transporter details, consignment details, compliance with intended market specifications, withholding periods, and the details of the new property PIC. All livestock movements between PICs require an NLIS movement update to be made by either or both the consigner and receiver. Where NLIS ID tags are lost livestock must be issued with a new postbreeder tag if not on the PIC of birth and this reconciled in the NLIS Database.

5.2.4.2.7 Data flow diagrams

Direction	Description
Intermediate	Livestock Transport

5.2.4.2.7.1 Livestock Transport



Livestock Transport

Figure 59. Data or information flows from the Livestock Transport system in the dairy supply chain.

5.2.4.3 *Refrigerated transport*

Refrigerated transport involves the movement (including loading and unloading) of cold dairy products from one premises to another under conditions which ensure that product quality and food safety is maintained. Ensuring that adequate hygiene and temperature controls are complied with is integral to successful refrigerated transport. Product, being in palletised form, must be accompanied by movement related documents such as the Transfer Declaration and appropriate records kept by the transporting company.

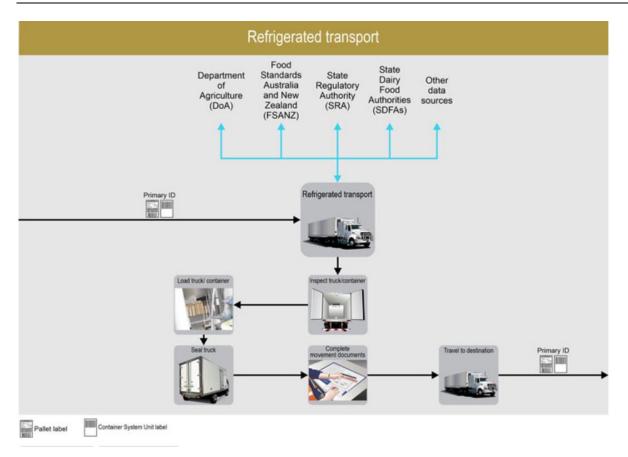


Figure 60. Inputs and outputs of the dairy supply chain refrigerated transport sector.

5.2.4.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Refrigerated Transport system include the receival of:

* Pallet

* Container System Unit (Export).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of	

Table 81. Physical inputs and associated Critical Tracking Event related documents for a dairy refrigerated transport system.

	purchase/Tax Invoice, Transfer Declaration,	
	Transporter management records	

5.2.4.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 82. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy refrigerated transport
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	

Cortifuine	This is a store of an arrival	Vac	Organia Caada Castificata	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade	Usually encoded in the GS1 barcode, this is the number of	Yes	Bill of lading/Air Waybill, Importer/Exporter	For more information

	trade items e.g., cartons in the		Agreement, Manufacturers	visit the GS1
	logistic unit.		Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of

Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation	Yes	Export Health/Government Certificate, Transporter management records	

	approved by the importing country.			
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate,	For more information visit the Department of

			Packing List, Transporter	Agriculture,
			management records	Water and the Environment
				website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery	

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Production	created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill,	
batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Tes	Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods	

L				
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
Chinair = Maril		V	management records	
Shipping Mark	Also known as a port mark, this	Yes	Bill of lading/Air Waybill,	
	is a code comprising of three		Certificate of Analysis	
	letters representing the foreign		Export, Export	
	establishment number and the		Health/Government	
	last nine digits of the		Certificate, Transporter	
	consignment SSCC.		management records	_
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis	information
Number (ABN)	Australian Tax Office, used to		Export, Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Supplier/Vendor	These are the identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis	
	supplying items to another		Export, Delivery	
	entity and may include operator		Docket/Manifest, Export	
	or business name, address,		Health/Government	
	telephone number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase	
			Order, SSCC/Pallet label,	
			Transfer Declaration,	
			Transporter management	
			records	
Supply Chain	These are the identifying details	Yes	Organic Goods Certificate,	
Supplier/Vendor	of the persons or business,		Transporter management	
Details	previous to the current owner,		records	
	who were operators in relation			
	to the organic goods being			
	supplied to subsequent entities			
	and may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Packing List,	
	temperature requirements for		Transfer Declaration,	
	the goods whilst in transport		Transporter management	
	including storage at less than -		records	
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
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Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.4.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Refrigerated Transport system include the movement of: * Pallet

* Container System Unit (Export)

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Table 83. Physical outputs and associated Critical Tracking Event related documents for a dairy refrigerated transport system.

5.2.4.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 84. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy refrigerated transport
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.

		r		
	safety risk. The specific type of			
	end date to be used on dairy			
	product packaging is defined by			
	regulations.			
Bill of lading/Air Waybill document	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis	For more information
number			Export, Organic Goods Certificate, Packing List, Transporter management records	visit the Department of Agriculture, Water and the
				Environment website.
Certificate of	This is a unique identifier	Yes	Certificate of Analysis	
Analysis Export test lot identifier	allocated to all cartons, pallets and shipping containers for which		Export, Transporter management records	
Certificate of	an analysis sample represents. A unique certificate number	Yes	Certificate of Analysis	
Analysis number	issued for traceability purposes.	res	Export, Organic Goods	
Analysis number	issued for traceability purposes.		Certificate, Transporter	
		Max	management records	5
Certifying	This is a stamp of approval issued	Yes	Organic Goods Certificate,	For more
Organisation Stamp	by the organic certifying body to		Transporter management	information
	which the goods relate. It		records	<u>visit the</u>
	confirms that the goods have			<u>Department</u>
	been produced in accordance			<u>of</u>
	with the National Organic			<u>Agriculture,</u>
	Standard and that all importing			Water and
	country requirements have been			<u>the</u>
	met.			Environment website.
Company/product	This is an in-house code for the	Yes	Bill of lading/Air Waybill,	
code	identification of the product in		Certificate of Analysis	
	the unit.		Export, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			Receipt of purchase/Tax	
			Invoice, SSCC/Pallet label,	
			Transfer Declaration,	
			Transporter management	
			records	
Consignment Corial	Encoded in the CS1 bereads this	Vac		Formara
Consignment Serial	Encoded in the GS1 barcode, this	Yes	Bill of lading/Air Waybill,	For more
Shipping Container	is a unique number which		Organic Goods Certificate,	information
Code (SSCC)	identifies the individual logistic		Packing List, SSCC/Pallet	visit the GS1
	unit i.e., shipment/message that is		label, Transporter	website.
	assigned by the establishment		management records	
	constructing the unit. The SSCC			
	remains the same for the life of			
Container System	remains the same for the life of	Yes	Container System Unit label,	

[identifies the Container System		Packing List Transporter	
	identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and		Packing List, Transporter management records	
	type code.			
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer	

			Declaration, Transporter management records	-
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport,	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of

	airports etc.) from which goods			Agriculture,
	are sent.			Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate,	For more information visit the GS1 website.

Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the	Yes	SSCC/Pallet label, Transporter management records	

	same for the life of the logistic			
	unit.			
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods.	Yes	Export Permit, Transporter management records	
	The exporter of the goods must notify the Secretary if the intention to export is abandoned.			
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi- soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	

Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or produced	-	Importer/Exporter	
	(e.g., retail items).		Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	This is an 11-digit registration	Yes	Certificate of Analysis	For more
Australian Business	number, issued by the Australian		Export, Importer/Exporter	information
Number (ABN)	Tax Office, used to identify		Agreement, Purchase Order,	visit the ATO
	businesses.		Transfer Declaration,	website.
			Transporter management	
			records	
Receiver/Buyer	These are identifying details of	Yes	Bill of lading/Air Waybill,	
Details	the persons or business receiving		Certificate of Analysis	
	or purchasing items from another		Export, Delivery	
	entity and may include operator		Docket/Manifest, Export	
	or business name, address,		Health/Government	
	telephone number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
			management records	
Shipping Mark	Also known as a port mark, this is	Yes	Bill of lading/Air Waybill,	
	a code comprising of three letters		Certificate of Analysis	
	representing the foreign		Export, Export	
	establishment number and the		Health/Government	
	last nine digits of the consignment		Certificate, Transporter	
	SSCC.		management records	_
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the Australian		Certificate of Analysis	information
Number (ABN)	Tax Office, used to identify		Export, Importer/Exporter	visit the ATO
	businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice, Transfer Declaration,	
			Transporter management records	
Supplier/Vonder	These are the identifying details	Yes	Delivery Docket/Manifest,	
Supplier/Vendor Details	These are the identifying details of the persons or business	162	Export Health/Government	
	supplying items to another entity		Certificate, Export Permit,	
	and may include operator or		Importer/Exporter	
	business name, address,		Agreement, Manufacturers	
	telephone number etc.		Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transfer	
			Declaration, Transporter	
			management records	
		<u> </u>	management records	

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Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	

Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	records Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.4.3.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.4.3.6 Supply Chain Node Traceability

Final palletised dairy product undergoing transport will include packaged cartons, loaded on pallets identified with one or multiple Batches/Lot Numbers identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone animals.

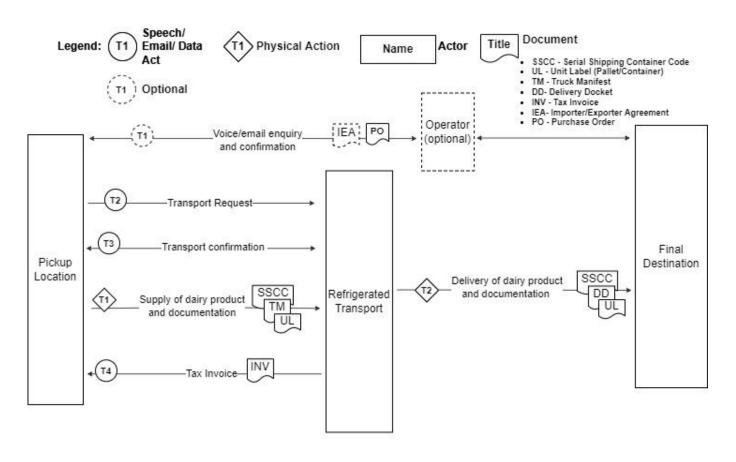
For example, 100 pallets which each hold 36 boxes containing 10 x 1L cartons of Full Cream Milk are ready to be transported into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one carton may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.4.3.7 Data flow diagrams

Direction	Description
Intermediate	Refrigerated Transport

Table 85. Data flow diagrams for the inputs and outputs of the refrigerated transport system.

5.2.4.3.7.1 Refrigerated Transport



Refrigerated Transport

Figure 61. Data or information flows from the Refrigerated Transport system in the dairy supply chain.

5.2.4.4 Non-refrigerated transport

Non-refrigerated transport involves the movement (including loading and unloading) of dry dairy products from one premises to another under conditions which ensure that product quality and food safety is maintained. Ensuring that adequate hygiene and temperature controls are complied with is integral to successful refrigerated transport. Product, being in palletised form, must be accompanied by movement related documents such as the Transfer Declaration and appropriate records kept by the transporting company.

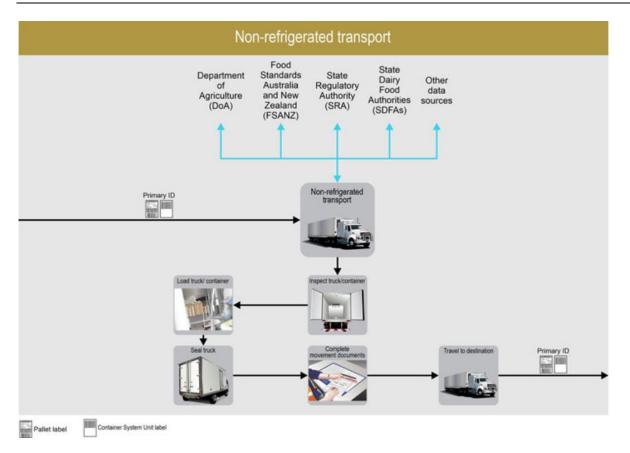


Figure 62. Inputs and outputs of the dairy supply chain non-refrigerated transport sector.

5.2.4.4.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Refrigerated Transport system include the receival of: * Pallet

* Container System Unit (Export).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of	

Table 86. Physical inputs and associated Critical Tracking Event related documents for a dairy refrigerated transport system.

purchase/Tax Invoice, Transfer Declaration,	
Transporter management records	

5.2.4.4.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 87. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy non-refrigerated transport
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	<u>For more</u> <u>information</u> <u>visit the Food</u> <u>Standards</u> <u>Australia and</u> <u>New Zealand</u> <u>website.</u>
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	

Certifying	This is a stamp of approval	Yes	Organic Goods Certificate,	
Organisation Stamp	issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.		Transporter management records	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
		Yes	Bill of lading/Air Waybill,	For more

Country of origin Dairy Licence number	trade items e.g., cartons in the logistic unit. This includes where the product was manufactured and the origin of components if required by the import conditions. State food authorities require all businesses that produce, process, store or transport dairy	Yes	Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records Importer/Exporter Agreement, Transporter management records	visit the GS1 website.
	products to hold a dairy licence for compliance with food safety standards.			
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of

Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation	Yes	Export Health/Government Certificate, Transporter management records	

	approved by the importing country.			
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate,	For more information visit the Department of

			Packing List, Transporter	Agriculture,
			management records	Water and the Environment
				website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery	

	created e.g., Organic Salt		Docket/Manifest, Export	
	Reduced Mozzarella 1Kg.		Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods	

				<u>ر</u>
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
Chinair - Maril		V	management records	
Shipping Mark	Also known as a port mark, this	Yes	Bill of lading/Air Waybill,	
	is a code comprising of three		Certificate of Analysis	
	letters representing the foreign		Export, Export	
	establishment number and the		Health/Government	
	last nine digits of the		Certificate, Transporter	
	consignment SSCC.	N/	management records	.
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis	information
Number (ABN)	Australian Tax Office, used to		Export, Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Supplier/Vendor	These are the identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis	
	supplying items to another		Export, Delivery	
	entity and may include operator		Docket/Manifest, Export	
	or business name, address,		Health/Government	
	telephone number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase	
			Order, SSCC/Pallet label,	
			Transfer Declaration,	
			Transporter management	
			records	
Supply Chain	These are the identifying details	Yes	Organic Goods Certificate,	
Supplier/Vendor	of the persons or business,		Transporter management	
Details	previous to the current owner,		records	
	who were operators in relation			
	to the organic goods being			
	supplied to subsequent entities			
	and may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Packing List,	
. equil enterio	temperature requirements for		Transfer Declaration,	
	the goods whilst in transport		Transporter management	
	including storage at less than -		records	
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.		l	

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Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.4.4.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Refrigerated Transport system include the movement of: * Pallet

* Container System Unit (Export)

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Table 88. Physical outputs and associated Critical Tracking Event related documents for a dairy non-refrigerated transport system.

5.2.4.4.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 89. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy non-refrigerated transport
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.

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	safety risk. The specific type of			
	end date to be used on dairy			
	product packaging is defined by			
	regulations.			
Bill of lading/Air	A unique document number	Yes	Bill of lading/Air Waybill,	For more
Waybill document	issued for traceability purposes.		Certificate of Analysis	information
number			Export, Organic Goods	<u>visit the</u>
			Certificate, Packing List,	Department
			Transporter management	<u>of</u>
			records	<u>Agriculture,</u>
				Water and
				<u>the</u>
				<u>Environment</u>
				website.
Certificate of	This is a unique identifier	Yes	Certificate of Analysis	
Analysis Export test	allocated to all cartons, pallets		Export, Transporter	
lot identifier	and shipping containers for which		management records	
	an analysis sample represents.			
Certificate of	A unique certificate number	Yes	Certificate of Analysis	
Analysis number	issued for traceability purposes.		Export, Organic Goods	
			Certificate, Transporter	
			management records	
Certifying	This is a stamp of approval issued	Yes	Organic Goods Certificate,	For more
Organisation Stamp	by the organic certifying body to		Transporter management	information
	which the goods relate. It		records	<u>visit the</u>
	confirms that the goods have			<u>Department</u>
	been produced in accordance			<u>of</u>
	with the National Organic			<u>Agriculture,</u>
	Standard and that all importing			Water and
	country requirements have been			<u>the</u>
	met.			Environment
				<u>website.</u>
Company/product	This is an in-house code for the	Yes	Bill of lading/Air Waybill,	
code	identification of the product in		Certificate of Analysis	
	the unit.		Export, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
				1
			Receipt of purchase/Tax	
I			Receipt of purchase/Tax Invoice, SSCC/Pallet label,	
			Invoice, SSCC/Pallet label,	
			Invoice, SSCC/Pallet label, Transfer Declaration,	
Consignment Serial	Encoded in the GS1 barcode, this	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management	For more
Consignment Serial Shipping Container	Encoded in the GS1 barcode, this is a unique number which	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information
-		Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill,	
Shipping Container	is a unique number which	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate,	information
Shipping Container	is a unique number which identifies the individual logistic	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet	information visit the GS1
Shipping Container	is a unique number which identifies the individual logistic unit i.e., shipment/message that is	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter	information visit the GS1
Shipping Container	is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter	information visit the GS1
Shipping Container	is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter	information visit the GS1
Shipping Container	is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of	Yes	Invoice, SSCC/Pallet label, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter	information visit the GS1

	identifies the Container System		Packing List Transportor	
	identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and		Packing List, Transporter management records	
	type code.			
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer	

			Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport,	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of

	airports etc.) from which goods			Agriculture,
	are sent.			<u>Water and</u> <u>the</u> <u>Environment</u> website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate,	For more information visit the GS1 website.

Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by	Yes	Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	an Authorised Officer. This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the	Yes	SSCC/Pallet label, Transporter management records	

	same for the life of the logistic			
	unit.			
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi- soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	

Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or produced		Importer/Exporter	
	(e.g., retail items).		Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	This is an 11-digit registration	Yes	Certificate of Analysis	For more
Australian Business	number, issued by the Australian		Export, Importer/Exporter	information
Number (ABN)	Tax Office, used to identify		Agreement, Purchase Order,	visit the ATO
	businesses.		Transfer Declaration,	website.
			Transporter management	
			records	
Receiver/Buyer	These are identifying details of	Yes	Bill of lading/Air Waybill,	
Details	the persons or business receiving		Certificate of Analysis	
	or purchasing items from another		Export, Delivery	
	entity and may include operator		Docket/Manifest, Export	
	or business name, address,		Health/Government	
	telephone number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
			management records	
Shipping Mark	Also known as a port mark, this is	Yes	Bill of lading/Air Waybill,	
	a code comprising of three letters		Certificate of Analysis	
	representing the foreign		Export, Export	
	establishment number and the		Health/Government	
	last nine digits of the consignment		Certificate, Transporter	
	SSCC.		management records	_
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the Australian		Certificate of Analysis	information
Number (ABN)	Tax Office, used to identify		Export, Importer/Exporter	visit the ATO
	businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management records	
Supplier/Vendor	These are the identifying details	Yes	Delivery Docket/Manifest,	
Details	of the persons or business	162	Export Health/Government	
	supplying items to another entity		Certificate, Export Permit,	
	and may include operator or		Importer/Exporter	
	business name, address,		Agreement, Manufacturers	
	telephone number etc.		Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transfer	
			Declaration, Transporter	
			management records	
		1	management records	l

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Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	

Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	records Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.4.4.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.4.4.6 Supply Chain Node Traceability

Final palletised dairy product undergoing transport will include packaged cartons, loaded on pallets identified with one or multiple Batches/Lot Numbers identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone animals.

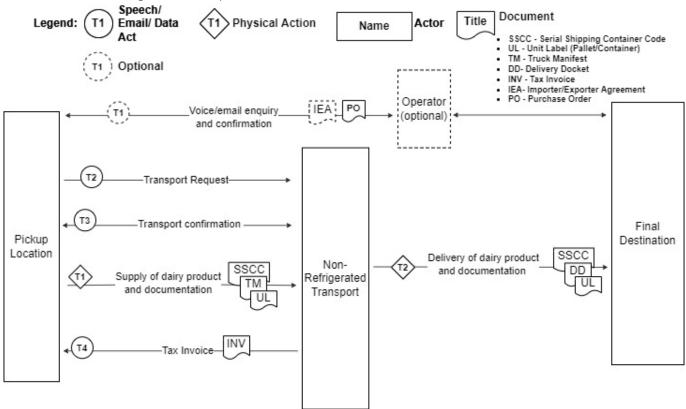
For example, 100 pallets which each hold 36 boxes containing 10 x 1L cartons of Full Cream Milk are ready to be transported into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one carton may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.4.4.7 Data flow diagrams

Direction	Description
Intermediate	Non-Refrigerated Transport

Table 90. Data flow diagrams for the inputs and outputs of the non-refrigerated transport system.

5.2.4.4.7.1 Non-Refrigerated Transport



Non-RefrigeratedTransport

Figure 63. Data or information flows from the Non-Refrigerated Transport system in the dairy supply chain.

5.2.4.5 Bulk transport [Receiving]

Bulk transport involves the movement (including loading and unloading) of large dairy product consignments from one premises to another. These labelled products are typically transported to export ports where they are assembled and loaded for export via ship or airfreight. Bulk products may include milk, concentrates, or milk powders etc. with the term 'bulk' clarifying that the package is not intended for direct sale to the consumer and requires further processing. All bulk transport movements must be accompanied by Critical Tracking Event related documents such as the Transfer Declaration or Manufacturers Declaration of Compliance/Importers Declaration and movements recorded within the transporters management records.

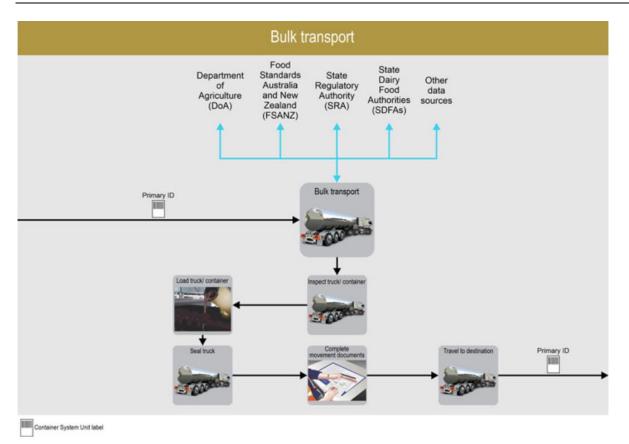


Figure 64. Inputs and outputs of the dairy supply chain bulk transport [Receiving] sector.

5.2.4.5.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Bulk Transport system include the receival of:

- * Container System Unit (Domestic)
- * Container System Unit (Import).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest Export Health/Government Certificate Import Permit Importer/Exporter Agreement Importers Declaration Manufacturers Declaration of Compliance Official Seal	

Table 91. Physical inputs and associated Critical Tracking Event related documents for a dairy bulk transport [Receiving] system.

transport of goods by	Organic Goods Certificate Packing List Purchase Order	
aircraft or ship.	Receipt of purchase/Tax Invoice Imported Food Inspection	
	Advice Transporter management records	

5.2.4.5.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 92. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy bulk transport [Receiving]	
system.	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	

Container Weights	includes information such as an owner code, product group, registration number, check digit and size and type code. This includes the maximum	Yes	Bill of lading/Air Waybill,	
(Kilograms)	allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).		Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer	

Declaration	This is a statement words built in	Vac	Declaration, Transporter management records	Formere
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records, Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	

Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export	
	transported between locations.		Health/Government Certificate, Importer/Exporter	
			Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance,	

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			Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g. ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab	Yes	Certificate of Analysis (COA), Transporter management records	

	Pasteurised Counts (LPC) and coliform counts.			
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to	Yes	Certificate of Analysis (COA), Transporter management records	

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	determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents.			
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the	Yes	Importer/Exporter Agreement, Packing List,	

	1	ŀ	1 -	<u>г </u>
	temperature requirements for		Transfer Declaration,	
	the goods whilst in transport		Transporter management	
	including storage at less than -		records	
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
Temperature/Time	This is the temperature of milk	Yes	Transporter management	
remperature/ mile	or milk products at various	163	records	
			records	
	stages along the supply chain			
	such as milking, and collection			
	for transport and is always			
	recorded with the time at which			
	the measurement was taken.			
To Establishment	A number issued by Federal and	Yes	Importer/Exporter	For more
number	State Authorities to identify the		Agreement, Transfer	information
	receiving site of which milk or		Declaration, Transporter	visit the
	milk products (intended for		management records	Department of
	export) will be/were distributed			Agriculture,
	to. For transfer declarations, the			Water and the
	Establishment numbers for both			Environment
	the dispatching and receiving			website.
				website.
T D + O +	establishments are recorded.			-
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	<u>visit the</u>
	location used in international		management records	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged or			Environment
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, Transporter	
	that says what the product is. It		management records	
	may include information such as		management records	
	-			
	net weight of product, name			
	and address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
	product were transported. For		Certificate, Organic Goods	
	shipments of product this will		Certificate, Packing List,	
	be a shipping container number.		Transporter management	
			records	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg	V	records	
Unit of measure	The unit of measure relating to	Yes	Importer/Exporter	
	a specific quantity.		Agreement, Purchase Order,	

	Transporter management	
	records	

5.2.4.5.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Bulk Transport system include the movement of:

* Container System Unit (Domestic)

* Container System Unit (Import)

off the premises, or supply chain sector.

Table 93. Physical outputs and associated Critical Tracking Event related documents for a dairy bulk transport [Receiving] system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Transporter management records	

5.2.4.5.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 94. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy bulk transport [Receiving] system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	

Australitation	This is the second second second	N.	Turnefer Destaurt	1
Arrival date Authorised Signee	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment. These are the identifying details	Yes	Transfer Declaration, Transporter management records Importers Declaration,	
Details	of the persons authorised to sign a document and may include full name, address, telephone number etc.	res	Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of	Yes	Bill of lading/Air Waybill, Imported Food Inspection	For more information

Country of origin Dairy Licence number	trade items e.g., cartons in the logistic unit. This includes where the product was manufactured and the origin of components if required by the import conditions. State food authorities require all businesses that produce, process, store or transport dairy	Yes	Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Transporter management records Importer/Exporter Agreement, Transporter management records	visit the GS1 website.
	products to hold a dairy licence for compliance with food safety standards.			<u>Australia</u> <u>website.</u>
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government	Yes	Export Health/Government Certificate, Organic Goods	For more information visit the

Export Permit Number	Certificate export consignment for traceability purposes. A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Certificate, Transporter management records Organic Goods Certificate, Transporter management records	Department of Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.

Groce Maight	This is the total weight of the	Vac	Pill of lading (Air Marchill	
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records, Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal,	

		1		,
			Organic Goods Certificate,	
			Packing List, Transporter	
			management records	
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract was		Transporter management	
	raised by the buyer.		records	
Organic Goods	A unique number allocated to	Yes	Organic Goods Certificate,	For more
Certificate Number	the Organic Goods Certificate		Transporter management	information
	for traceability purposes.		records	<u>visit the</u>
				Department of
				Agriculture,
				Water and the
				<u>Environment</u>
				website.
Packaging Date	Encoded in the GS1 barcode,	Yes	Certificate of Analysis	For more
(YYMMDD)	the Packaging Date is the date		Export, Transporter	information
	on which the item was		management records	visit the GS1
	packaged and is recorded in the			website.
	format year, month, day			
	(YYMMDD).			
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are homogeneous		Certificate of Analysis (COA),	
	or generally considered as		Certificate of Analysis	
	substitutes for each other. The		Export, Delivery	
	class is considered as narrow or		Docket/Manifest,	
	broad depending on how		Importer/Exporter	
	substitutable the various		Agreement, Importers	
	products are. For example,		Declaration, Manufacturers	
	hard, soft, semi-soft cheese.		Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			Transfer Declaration,	
			Transporter management	
Deadle at a second		Maria	records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Certificate of Analysis (COA),	
	chooses to give a product		Certificate of Analysis	
	created e.g., Organic Salt		Export, Delivery	
	Reduced Mozzarella 1Kg.		Docket/Manifest, Importer/Exporter	
			Agreement, Importers	
			C	
			Declaration, Manufacturers Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order, Transfer Declaration,	
			Transporter management	
			records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	identifies products (e.g.,	162	Manufacturers Declaration	
batches/lot numbers	ingredients, commodities,		of Compliance, Packing List,	
	products, chemicals) sharing		Transfer Declaration,	
	certain production			
		L		

Production Date (YYMMDD)	characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo. This is the date on which product was processed or	Yes	Transporter management records Manufacturers Declaration of Compliance, Transfer	For more information
	produced and is recorded in the format year, month, day (YYMMDD).		Declaration, Transporter management records	visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export	

	name, address, telephone number etc.		Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis (COA), Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers	For more information visit the ATO website.

Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the

	the dispatching and receiving			Environment
	establishments are recorded.			
				website.
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	<u>visit the</u>
	location used in international		management records	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged or			Environment
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, Transporter	
	that says what the product is. It		management records	
	may include information such as			
	net weight of product, name			
	and address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
0	product were transported. For		Certificate, Organic Goods	
	shipments of product this will		Certificate, Packing List,	
	be a shipping container number.		Transporter management	
			records	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg		records	
Unit of measure	The unit of measure relating to	Yes	Importer/Exporter	
onne of mediate	a specific quantity.	105	Agreement, Purchase Order,	
	a specific quantity.		Transporter management	
			records	
			1600103	

5.2.4.5.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.4.5.6 Supply Chain Node Traceability

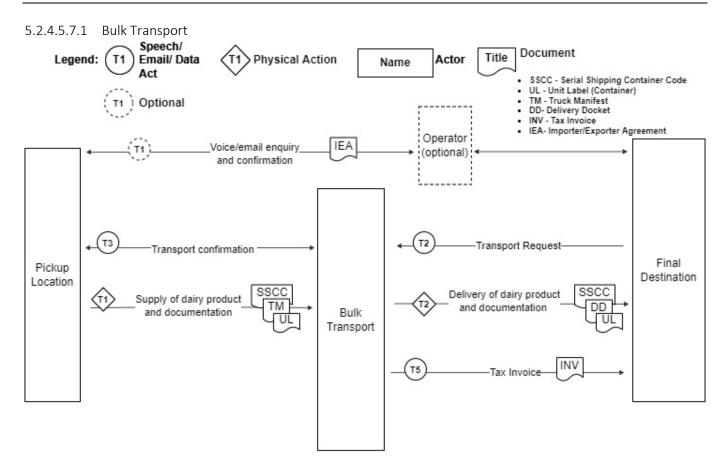
Like smaller transport loads (refrigerated/non-refrigerated transport), the traceability of bulk dairy products is only possible back to several source properties, and not to the individual live animal. This is because dairy processing draws bulk raw milk from a series of storage silos for production run, with each silo holding many tanker loads of bulk raw milk collected from one to many different Dairy Production Systems and at different milking times. Bulk dairy transport involving the movement of Container System Units which store product inside large tins, cases, cartons and bags of dairy product, can be traced as per non-bulk product through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a bulk transport truck may carry one container with 600 cartons of dairy product from a single processing facility. 200 cartons within the load were produced from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the bulk product could have come from any of 72 farms.

5.2.4.5.7 Data flow diagrams

Table 95. Data flow diagrams for the inputs and outputs of the bulk transport system.

Direction	Description
Intermediate	Bulk Transport



Bulk Transport

Figure 65. Data or information flows from the Bulk Transport system in the dairy supply chain.

5.2.4.6 Bulk transport [Sending]

Bulk transport involves the movement (including loading and unloading) of large dairy product consignments from one premises to another. These labelled products are typically transported to export ports where they are assembled and loaded for export via ship or airfreight. Bulk products may include milk, concentrates, or milk powders etc. with the term 'bulk' clarifying that the package is not intended for direct sale to the consumer and requires further processing. All bulk transport movements must be accompanied by Critical Tracking Event related documents such as the Transfer Declaration or Manufacturers Declaration of Compliance/Importers Declaration and movements recorded within the transporters management records.

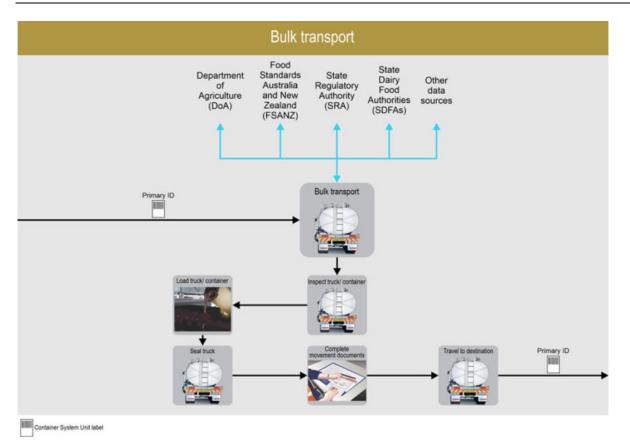


Figure 66. Inputs and outputs of the dairy supply chain bulk transport [sending] sector.

5.2.4.6.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Bulk Transport system include the receival of:

- * Container System Unit (Domestic)
- * Container System Unit (Export).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate,	

Table 96. Physical inputs and associated Critical Tracking Event related documents for a dairy bulk transport [sending] system.

transport of goods by	Packing List, Purchase Order, Receipt of purchase/Tax	
aircraft or ship.	Invoice, Transfer Declaration, Transporter management	
	records	

5.2.4.6.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 97. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy bulk transport [sending]	
system.	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis	

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			Export, Organic Goods	
			Certificate, Transporter	
			management records	
Certifying	This is a stamp of approval	Yes	Organic Goods Certificate,	
Organisation Stamp	issued by the organic certifying		Transporter management	
organisation stamp				
	body to which the goods relate.		records	
	It confirms that the goods have			
	been produced in accordance			
	with the National Organic			
	Standard and that all importing			
	country requirements have			
	been met.			
Company/product	This is an in-house code for the	Yes	Bill of lading/Air Waybill,	
		163		
code	identification of the product in		Certificate of Analysis	
	the unit.		Export, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			Receipt of purchase/Tax	
			Invoice, Transfer	
			Declaration, Transporter	
		Maria	management records	F
Consignment Serial	Encoded in the GS1 barcode,	Yes	Bill of lading/Air Waybill,	For more
Shipping Container	this is a unique number which		Organic Goods Certificate,	information
Code (SSCC)	identifies the individual logistic		Packing List, Transporter	visit the GS1
	unit i.e., shipment/message that		management records	website.
	is assigned by the establishment			
	constructing the unit. The SSCC			
	remains the same for the life of			
	the logistic unit.			
Container System	This is a unique sequence of	Yes	Container System Unit Jahol	
Container System		res	Container System Unit label,	
Unit number	letters and numbers which		Organic Goods Certificate,	
	identifies the Container System		Packing List, Transporter	
	Unit and includes information		management records	
	such as an owner code, product			
	group, registration number,			
	check digit and size and type			
	code.			
Container Weights	This includes the maximum	Yes	Bill of lading/Air Waybill,	
(Kilograms)	allowable weight of the	. 05	Container System Unit label,	
(Mograns)	_		-	
	container, the container tare		Packing List, Transporter	
	weight, the payload weight and		management records	
	cubic capacity (cubic feet).			
Contract end date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties		Agreement, Transporter	
	ends.		management records	
Contract number	This is a unique number	Yes	Delivery Docket/Manifest,	
	allocated to the contract by the		Importer/Exporter	
	contract administrator.		Agreement, Transporter	
1		1	management records	1
Contract start date	This is the date on which an	Yes	Importer/Exporter	
Contract start date	This is the date on which an agreement between two parties	Yes		

		V		
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government	Yes	Export Health/Government Certificate, Organic Goods	For more information visit the

Export Permit Number	Certificate export consignment for traceability purposes. A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Certificate, Transporter management records Export Permit, Organic Goods Certificate, Transporter management records	Department of Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and	Yes	Export Health/Government Certificate, Transporter management records	

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	validated documentation			
	approved by the importing			
	country.			
Invoice number	This is a unique number	Yes	Packing List, Receipt of	
	allocated to the invoice by the		purchase/Tax Invoice,	
	supplier or receiver of		Transporter management	
	purchased items/products for		records	
	payment tracking purposes.			
ISO code	A code allocated to the	Yes	Container System Unit label,	
	container system unit by the		Transporter management	
	International Container Bureau		records	
	that describes length, height			
	and type of container and its			
	characteristics.			
Movement date	The date on which livestock or	Yes	Bill of lading/Air Waybill,	
	other products (e.g., feed, raw		Certificate of Analysis	
	milk or milk products) were		Export, Export	
	transported between locations.		Health/Government	
			Certificate,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Transfer Declaration,	
			Transporter management	
			records	
Net Weight	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
(Kilograms)	barcode, the Net Weight is a		Export Health/Government	information
(variable measure of the trade		Certificate, Manufacturers	visit the GS1
	item e.g., carton, pallet or		Declaration of Compliance,	website.
	shipment recorded in kilograms.		Organic Goods Certificate,	website.
	sinpinent recorded in kilograms.		Packing List, Transfer	
			Declaration, Transporter	
Official Seal Serial	This is a unique serial number	Yes	management records Bill of lading/Air Waybill,	Formoro
	This is a unique serial number	res		For more
Number	printed on any tamper-evident		Export Health/Government	information
	seal issued by the Department.		Certificate, Official Seal,	visit the GS1
			Organic Goods Certificate,	website.
			Packing List, Transporter	
			management records	
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract was		Transporter management	
	raised by the buyer.		records	
Organic Goods	A unique number allocated to	Yes	Organic Goods Certificate,	For more
Certificate Number	the Organic Goods Certificate		Transporter management	information
	for traceability purposes.		records	<u>visit the</u>
				Department of
				Agriculture,
				Water and the
				Environment
				website.
Packaging Date	Encoded in the GS1 barcode,	Yes	Certificate of Analysis	
(YYMMDD)	the Packaging Date is the date		Export, Transporter	
	on which the item was		management records	
			management records	1

Permit expiry date	packaged and is recorded in the format year, month, day (YYMMDD). This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.

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Purchase Order	A unique number assigned to a	Yes	Delivery Docket/Manifest,	
number	purchase or order usually		Importer/Exporter	
	requested by a customer and is		Agreement, Packing List,	
	linked to the work order		Purchase Order, Transporter	
- W	number/production order.		management records	
Quality	The milk quality standards and	Yes	Certificate of Analysis (COA),	
	parameters agreed to by the		Transporter management	
	supplier and receiver of milk, as		records	
	well as those which meet the			
	FSANZ Food Standards Code.			
	These usually include			
	parameters for temperature,			
	fat, protein, and bacterial cell counts. This information is			
	determined using testing			
	procedures such as Bulk Milk			
	Cell Count (BMCC) or Somatic			
	Cell Count (SCC), Standard Plate			
	Count (SPC), Preliminary			
	Incubation Counts (PIC), Lab			
	Pasteurised Counts (LPC) and			
	coliform counts.			
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
2000001	products supplied or produced		Importer/Exporter	
	(e.g., retail items).		Agreement, Organic Goods	
	(8.,		Certificate, Packing List,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	This is an 11-digit registration	Yes	Certificate of Analysis (COA),	For more
Australian Business	number, issued by the		Certificate of Analysis	information
Number (ABN)	Australian Tax Office, used to		Export, Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Purchase Order,	website.
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	These are identifying details of	Yes	Bill of lading/Air Waybill,	
Details	the persons or business		Certificate of Analysis (COA),	
	receiving or purchasing items		Certificate of Analysis	
	from another entity and may		Export, Delivery	
	include operator or business		Docket/Manifest, Export	
	name, address, telephone		Health/Government	
	number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
Comple number	This is the property of identifying	Var	management records	
Sample number	This is the number identifying	Yes	Certificate of Analysis (COA),	
	the unique sample taken from a		Transporter management	
L	lot. For milk samples, each milk		records	

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	sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents.			
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government	

			Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management	
Supply Chain Supplier/Vendor	These are the identifying details of the persons or business,	Yes	records Organic Goods Certificate, Transporter management	
Details	previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.		records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export,	Yes	Export Health/Government Certificate, Organic Goods	

	this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.		Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.4.6.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Bulk Transport system include the movement of:

- * Container System Unit (Domestic)
- * Container System Unit (Export)

off the premises, or supply chain sector.

Table 98. Physical outputs and associated Critical Tracking Event related documents for a dairy bulk transport [sending] system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Domestic)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Certificate of Analysis (COA), Container System Unit label, Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax	

	Invoice, Transfer Declaration, Transporter	
	management records	

5.2.4.6.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 99. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy bulk transport [sending] system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Organic Goods Certificate,	

			Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e. shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	

Count of Trade	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Importer/Exporter	information
	trade items e.g., cartons in the		Agreement, Manufacturers	visit the GS1
	logistic unit.		Declaration of Compliance,	website.
			Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			management records	
Country of origin	This includes where the product	Yes	Bill of lading/Air Waybill,	
, 0	was manufactured and the origin		Transporter management	
	of components if required by the		records	
	import conditions.			
Dairy Licence	State food authorities require all	Yes	Importer/Exporter	
number	businesses that produce, process,		Agreement, Transporter	
	store or transport dairy products		management records	
	to hold a dairy licence for			
	compliance with food safety			
	standards.			
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
	which a record entry or		Certificate of Analysis (COA),	
	transaction was made.		Certificate of Analysis Export,	
			Delivery Docket/Manifest,	
			Export Health/Government	
			Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Receipt of purchase/Tax	
			Invoice, Transfer Declaration,	
			Transporter management	
			records	
Declaration	This is a statement made by the	Yes	Manufacturers Declaration of	For more
statement	dispatching establishment or		Compliance, Transfer	information
Statement	manufacturer of goods		Declaration, Transporter	visit the
	confirming that the information		management records	Department
	on the document is true and		management records	of
	complete; that the food was			<u>Agriculture,</u>
	manufactured and processed in			Water and
	accordance with the Export			the
	Control (Milk and Milk Products)			Environment
	Rules 2021 and the applicable			website.
				website.
	approved arrangements; the			
	goods are compliant with			
Dolivori	importing country requirements.	Vac	Dolivon, Dockot/Manifest	
Delivery	This is a unique number allocated	Yes	Delivery Docket/Manifest,	
Docket/Manifest	to the docket for identification		Transporter management	
number	purposes.	Ver	records	For more the
Export	A unique number allocated to the	Yes	Export Health/Government	For more
Health/Government	Health/Government Certificate		Certificate, Organic Goods	information
Certificate Number	export consignment for		Certificate, Transporter	<u>visit the</u>
	traceability purposes.		management records	Department
				<u>of</u>

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				Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	

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Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of

Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year,	Yes	Certificate of Analysis Export, Transporter management records	Agriculture, Water and the Environment website. For more information visit the GS1 website.
Permit expiry date	month, day (YYMMDD). This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of, Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	

	given unit of product e.g., a milk			
	silo.			
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quality	The milk quality standards and parameters agreed to by the supplier and receiver of milk, as well as those which meet the FSANZ Food Standards Code. These usually include parameters for temperature, fat, protein, and bacterial cell counts. This information is determined using testing procedures such as Bulk Milk Cell Count (BMCC) or Somatic Cell Count (SCC), Standard Plate Count (SPC), Preliminary Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and coliform counts.	Yes	Certificate of Analysis (COA), Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer	

			Declaration, Transporter	
			management records	
Sample number	This is the number identifying the unique sample taken from a lot. For milk samples, each milk sample is labelled with a unique sample number for identification purposes which is incorporated into the Milk sample barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	management records Certificate of Analysis (COA), Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis (COA), Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport,	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture,

	airports etc.) from where goods are discharged or unloaded.			Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

- 5.2.4.6.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * State Regulatory Authority (SRA)
- * State Dairy Food Authorities (SDFAs)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Other data sources

5.2.4.6.6 Supply Chain Node Traceability

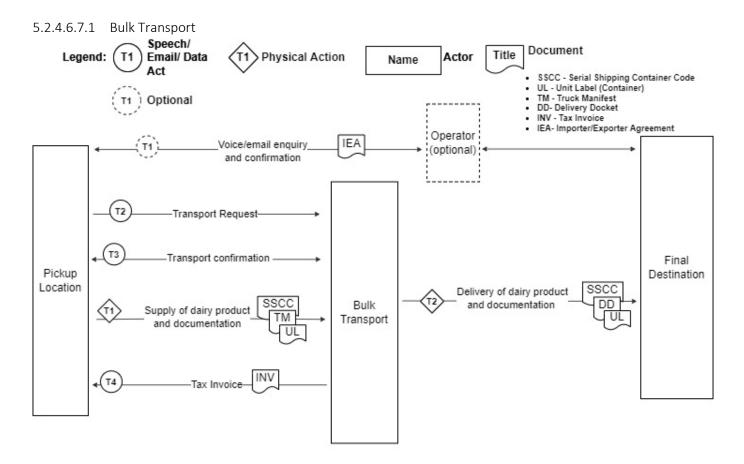
Like smaller transport loads (refrigerated/non-refrigerated transport), the traceability of bulk dairy products is only possible back to several source properties, and not to the individual live animal. This is because dairy processing draws bulk raw milk from a series of storage silos for production run, with each silo holding many tanker loads of bulk raw milk collected from one to many different Dairy Production Systems and at different milking times. Bulk dairy transport involving the movement of Container System Units which store product inside large tins, cases, cartons and bags of dairy product, can be traced as per non-bulk product through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a bulk transport truck may carry one container with 600 cartons of dairy product from a single processing facility. 200 cartons within the load were produced from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be

identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the bulk product could have come from any of 72 farms.

5.2.4.6.7 Data flow diagrams

Direction	Description
Intermediate	Bulk Transport



Bulk Transport

Figure 67. Data or information flows from the Bulk Transport system in the dairy supply chain.

5.2.5 International Trade

5.2.5.1 Export (refrigerated)

The Australian Dairy Industry is the fourth-largest rural industry in Australia, with 35% of its milk production being exported to countries around the world. Typically, refrigerated dairy product is exported as value-added products in the form of cheese, and butter etc. Simply, the export process involves the licencing of export premises, inspection of dairy products, process auditing, loading and movement of product. Dairy products (packaged into container system units) are typically delivered to the port of export, via refrigerated or bulk transport respectively, for loading into the export vessel.

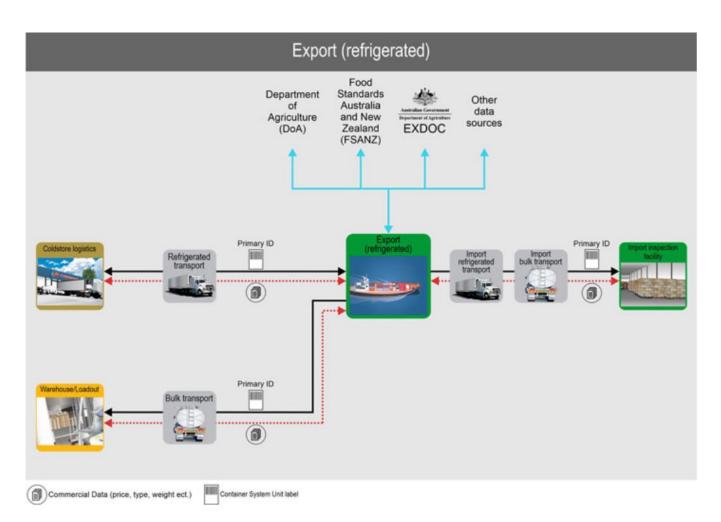


Figure 68. Inputs and outputs of the dairy supply chain export (refrigerated) sector.

5.2.5.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Export (refrigerated) system include the receival of: * Container System Unit (Export).

Event related to	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
the inputs			
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Table 101. Physical inputs and associated Critical Tracking Event related documents for a dairy export (refrigerated) system.

5.2.5.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 102. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy export (refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the

				Environment
Certificate of Analysis Export test lot identifier	Certificate of Analysis Export test lot identifier This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	website.
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	

Contract end date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties	res	Agreement, Transporter	
	ends.		management records	
Contract number	This is a unique number allocated	Yes	Delivery Docket/Manifest,	
contract number	to the contract by the contract	105	Importer/Exporter	
	administrator.		Agreement, Transporter	
			management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties		Agreement, Transporter	
	begins.		management records	
Count of Trade	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Importer/Exporter	information
	trade items e.g., cartons in the		Agreement, Manufacturers	visit the GS1
	logistic unit.		Declaration of Compliance,	website.
			Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			management records	
Country of origin	This includes where the product	Yes	Bill of lading/Air Waybill,	For more
, 0	was manufactured and the origin		Transporter management	information
	of components if required by the		records	visit the
	import conditions.			Department
				of
				Agriculture,
				Water and
				the
				Environment
				website.
Dairy Licence	State food authorities require all	Yes	Importer/Exporter	For more
number	businesses that produce, process,		Agreement, Transporter	information
	store or transport dairy products		management records	visit the Dairy
	to hold a dairy licence for			Australia
	compliance with food safety			website.
	standards.			
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
	which a record entry or		Certificate of Analysis	
	transaction was made.		Export, Delivery	
			Docket/Manifest, Export	
			Health/Government	
			Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Receipt of purchase/Tax	
			Invoice, Transfer	
			Declaration, Transporter	
Dealawrth		N.	management records	F erraria (
Declaration	This is a statement made by the	Yes	Manufacturers Declaration	For more
statement	dispatching establishment or		of Compliance, Transfer	information
	manufacturer of goods confirming		Declaration, Transporter	visit the
	that the information on the		management records	Department
	document is true and complete;			<u>of</u>

Delivery	that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements. This is a unique number allocated	Yes	Delivery Docket/Manifest,	Agriculture, Water and the Environment website.
Docket/Manifest number	to the docket for identification purposes.	163	Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit	Yes	Bill of lading/Air Waybill, Certificate of Analysis	For more information

Gross Weight (Kilograms)	number used to identify specific trade items, products, or services and is linked to the product name. This is the total weight of the goods including packaging	Yes	Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate,	visit the GS1 website.
Import Permit Number	(Kilograms) and excluding the tare weight of the transport unit. A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Packing List, Transporter management records Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.

Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	website.
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi- soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery	

Production	e.g., Organic Salt Reduced Mozzarella 1Kg. This is a unique number which	Yes	Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records Bill of lading/Air Waybill,	
batches/lot numbers	identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.		Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer	

Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Declaration, Transporter management records Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	

/				,
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.5.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Export (refrigerated) system include the movement of:

* Container System Unit (Export)

off the premises, or supply chain sector.

Table 103. Physical outputs and associated Critical Tracking Event related documents for a dairy export (refrigerated) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

5.2.5.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 104. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy export (refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and

	1	r	1	,
	the product must be eaten by or			New Zealand
	else thrown away due to			website.
	becoming a food safety risk. The			
	specific type of end date to be			
	used on dairy product packaging			
	is defined by regulations.			
Bill of lading/Air	A unique document number	Yes	Bill of lading/Air Waybill,	For more
Waybill document	issued for traceability purposes.		Certificate of Analysis	<u>information</u>
number			Export, Organic Goods	<u>visit the</u>
			Certificate, Packing List,	Department of
			Transporter management	<u>Agriculture,</u>
			records	Water and the
				Environment
				website.
Certificate of	This is a unique identifier	Yes	Certificate of Analysis	
Analysis Export test	allocated to all cartons, pallets		Export, Transporter	
lot identifier	and shipping containers for		management records	
	which an analysis sample			
	represents.			
Certificate of	A unique certificate number	Yes	Certificate of Analysis	
Analysis number	issued for traceability purposes.		Export, Organic Goods	
			Certificate, Transporter	
			management records	-
Certifying	This is a stamp of approval	Yes	Organic Goods Certificate,	For more
Organisation Stamp	issued by the organic certifying		Transporter management	information
	body to which the goods relate.		records	<u>visit the</u>
	It confirms that the goods have			Department of
	been produced in accordance			Agriculture,
	with the National Organic			Water and the
	Standard and that all importing			Environment
	country requirements have been met.			website.
Company/product	This is an in-house code for the	Yes	Bill of Jading/Air Waybill	
Company/product code	identification of the product in	163	Bill of lading/Air Waybill, Certificate of Analysis	
	the unit.		Export, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase	
			Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Consignment Serial	Encoded in the GS1 barcode,	Yes	Bill of lading/Air Waybill,	For more
Shipping Container	this is a unique number which	163	Organic Goods Certificate,	information
Code (SSCC)	identifies the individual logistic		Packing List, Transporter	visit the GS1
	unit i.e., shipment/message that		management records	website.
	is assigned by the establishment			<u>webbiter</u>
	constructing the unit. The SSCC			
	remains the same for the life of			
	the logistic unit.			
Container System	This is a unique sequence of	Yes	Container System Unit label,	
Unit number	letters and numbers which	. 05	Organic Goods Certificate,	
Shithanbel		1	organic Goods Certificate,	

	identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.		Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	For more information visit the GS1 website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration,	

			Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Global Trade Item Number (GTIN) Gross Weight	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records Bill of lading/Air Waybill,	For more information visit the GS1 website.
(Kilograms)	(Kilograms) and excluding the tare weight of the transport unit.	res	Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer	For more information visit the GS1 website.

			Declaration Transporter	
			Declaration, Transporter	
Official Cool Covial	This is a susiance as sighter make a	Vee	management records	E e u e e e e
Official Seal Serial	This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper-evident		Export Health/Government	information visit the GS1
	seal issued by the Department.		Certificate, Official Seal,	
			Organic Goods Certificate,	website.
			Packing List, Transporter	
		Maria	management records	
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract was		Transporter management	
	raised by the buyer.	Maria	records	F
Organic Goods	A unique number allocated to	Yes	Organic Goods Certificate,	For more
Certificate Number	the Organic Goods Certificate		Transporter management	information
	for traceability purposes.		records	visit the
				Department of
				Agriculture,
				Water and the
				Environment
				website.
Packaging Date	Encoded in the GS1 barcode, the	Yes	Certificate of Analysis	For more
(YYMMDD)	Packaging Date is the date on		Export, Transporter	information
	which the item was packaged		management records	visit the GS1
	and is recorded in the format			website.
	year, month, day (YYMMDD).			_
Permit expiry date	This is the expiry date of the	Yes	Export Permit, Transporter	For more
	approved Export Permit. An		management records	information
	export permit is valid for 28			visit the
	days and should be issued prior			Department of
	to the intended departure of the			Agriculture,
	goods. The exporter of the			Water and the
	goods must notify the Secretary			Environment
	if the intention to export is			website.
Due du et els es	abandoned.	Vee		
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are homogeneous		Certificate of Analysis	
	or generally considered as		Export, Delivery	
	substitutes for each other. The		Docket/Manifest, Export	
	class is considered as narrow or		Permit, Importer/Exporter	
	broad depending on how		Agreement, Manufacturers	
	substitutable the various		Declaration of Compliance,	
	products are. For example, hard,		Organic Goods Certificate,	
	soft, semi-soft cheese.		Packing List, Purchase	
			Order, Transfer Declaration,	
			Transporter management	
			records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Certificate of Analysis	
	chooses to give a product		Export, Delivery	
	created e.g., Organic Salt		Docket/Manifest, Export	
	Reduced Mozzarella 1Kg.		Permit, Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	

		1		1
			Packing List, Purchase	
			Order, Transfer Declaration,	
			Transporter management	
			records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	identifies products (e.g.,		Manufacturers Declaration	
·	ingredients, commodities,		of Compliance, Packing List,	
	products, chemicals) sharing		Transfer Declaration,	
	certain production		Transporter management	
	characteristics and is used for		records	
			Tecolus	
	traceability purposes. Note that			
	multiple batches may be			
	produced by a given unit of			
	product e.g., a milk silo.			
Production Date	This is the date on which	Yes	Manufacturers Declaration	<u>For more</u>
(YYMMDD)	product was processed or		of Compliance, Transfer	information
	produced and is recorded in the		Declaration, Transporter	<u>visit the GS1</u>
	format year, month, day		management records	website.
	(YYMMDD).			
Purchase Order	A unique number assigned to a	Yes	Delivery Docket/Manifest,	
number	purchase or order usually		Importer/Exporter	
	requested by a customer and is		Agreement, Packing List,	
	linked to the work order		Purchase Order, Transporter	
	number/production order.		management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
Quantity	products supplied or produced	163	Importer/Exporter	
	(e.g., retail items).		Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Receiver/Buyer	This is an 11-digit registration	Yes	Certificate of Analysis	For more
Australian Business	number, issued by the		Export, Importer/Exporter	information
Number (ABN)	Australian Tax Office, used to		Agreement, Purchase Order,	visit the ATO
	identify businesses.		Transfer Declaration,	website.
			Transporter management	
			records	
Receiver/Buyer	These are identifying details of	Yes	Bill of lading/Air Waybill,	
Details	the persons or business		Certificate of Analysis	
	receiving or purchasing items		Export, Delivery	
	from another entity and may		Docket/Manifest, Export	
	include operator or business		Health/Government	
	name, address, telephone		Certificate, Export Permit,	
	number etc.		Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transfer	
			Declaration, Transporter	
		<u> </u>	management records	
Shipping Mark	Also known as a port mark, this	Yes	Bill of lading/Air Waybill,	For more
	is a code comprising of three	1	Certificate of Analysis	information

		r	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	letters representing the foreign establishment number and the last nine digits of the consignment SSCC.		Export, Export Health/Government Certificate, Transporter management records	visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	

To Establishment	A number issued by Federal and	Yes	Importer/Exporter	For more
number	State Authorities to identify the	162	Agreement, Transfer	information
namber	receiving site of which milk or		Declaration, Transporter	visit the
	milk products (intended for		management records	Department of
	export) will be/were distributed		management records	Agriculture,
	to. For transfer declarations, the			Water and the
	Establishment numbers for both			Environment
	the dispatching and receiving			<u>website.</u>
To Dout Code	establishments are recorded.	Vee		For more
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	<u>visit the</u>
	location used in international		management records	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged or			<u>Environment</u>
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, Transporter	
	that says what the product is. It		management records	
	may include information such as			
	net weight of product, name			
	and address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
_	product were transported. For		Certificate, Organic Goods	
	shipments of product this will be		Certificate, Packing List,	
	a shipping container number.		Transporter management	
			records	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg		records	
Unit of measure	The unit of measure relating to a	Yes	Importer/Exporter	
	specific quantity.		Agreement, Purchase Order,	
	-1		Transporter management	
			records	
		1	1000100	

- 5.2.5.1.5 Regulatory and Industry Programs
- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Export Documentation System (EXDOC)
- * Other data sources

5.2.5.1.6 Supply Chain Node Traceability

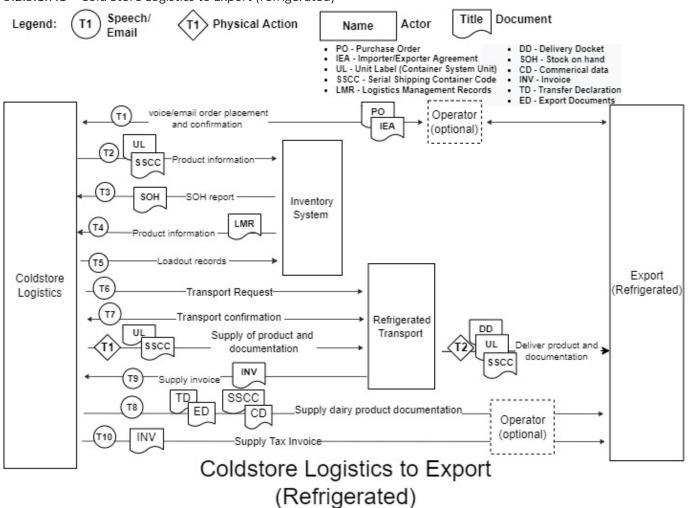
Product transiting from import and export sectors is, like all other dairy product, traceable to any number of source properties and not the live animal. Receival or shipping of Container System Units which store dairy product inside large tins, cases, cartons and bags, can be traced through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a single container load with 600 cartons of bulk and/or retail ready dairy product, from a single processor may be received or shipped from an exporting country or from an importing country respectively. 200 cartons within the load were produced by the processor from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the product could have come from any of 72 farms.

5.2.5.1.7 Data flow diagrams

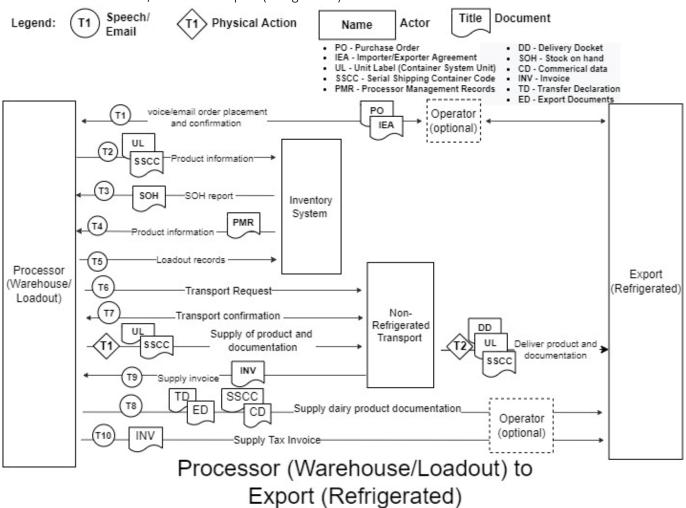
Direction	Description	
Input	Cold Store Logistics to Export (refrigerated)	
Input	Warehouse/Loadout to Export (refrigerated)	
Output	Export (refrigerated) to Import Inspection Facility	

Table 105. Data flow diagrams for the inputs and outputs of a dairy export (refrigerated) system.



5.2.5.1.7.1 Cold Store Logistics to Export (refrigerated)

Figure 69. Data or information flows from the Cold store Logistics to Export (Refrigerated) systems in the dairy supply chain.



5.2.5.1.7.2 Warehouse/Loadout to Export (refrigerated)

Figure 70. Data or information flows from the Processor (Warehouse/Loadout) to Export (Refrigerated) systems in the dairy supply chain.

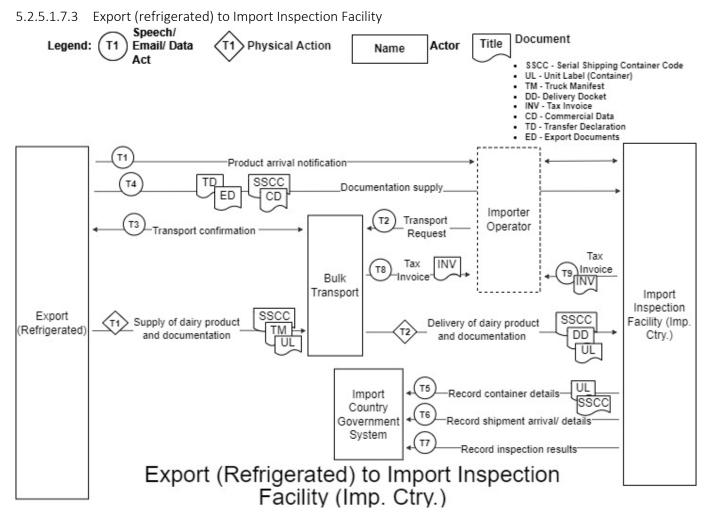
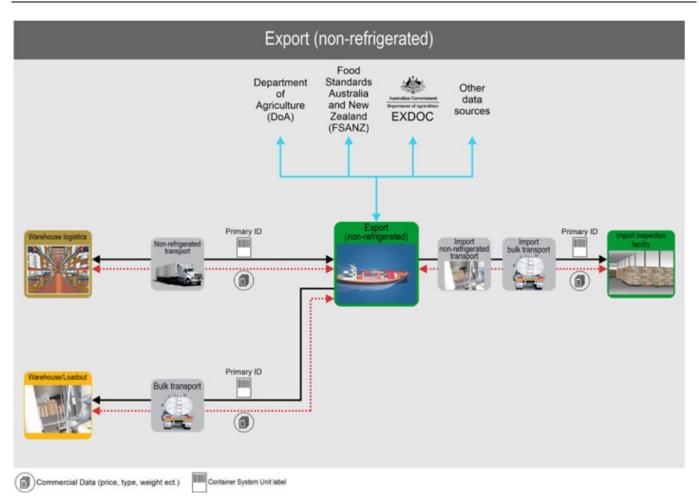
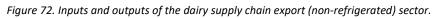


Figure 71. Data or information flows from the Export (Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

5.2.5.2 Export (non-refrigerated)

The Australian Dairy Industry is the fourth-largest rural industry in Australia, with 35% of its milk production being exported to countries around the world. Typically, non-refrigerated dairy product is exported as value-added products in the form of UHT milk, and dry milk powders etc. Simply, the export process involves the licencing of export premises, inspection of dairy products, process auditing, loading and movement of product. Dairy products (packaged into container system units) are typically delivered to the port of export, via non-refrigerated or bulk transport respectively, for loading into the export vessel.





5.2.5.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Export (refrigerated) system include the receival of:

* Container System Unit (Export).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Table 106. Physical inputs and associated Critical Tracking Event related documents for a dairy export (non-refrigerated) system.

5.2.5.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 107. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy export (non-refrigerated)
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	Certificate of Analysis Export test lot identifier This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It	Yes	Organic Goods Certificate, Transporter management records	For more information visit the

Company (and bot	confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Vee	Dill of loding (Air Mouhill	Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate,	For more information visit the GS1 website.

Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Packing List, Transfer Declaration, Transporter management records Bill of lading/Air Waybill, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	For more information visit the Dairy Australia website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department

P				
Export Permit Number	A unique permit number is allocated for the export	Yes	Export Permit, Organic Goods Certificate,	of Agriculture, Water and the Environment website. For more information
Number	consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.		Transporter management records	visit the Department of Agriculture, Water and the Environment website.
From Establishment	A number issued by Federal and	Yes	Certificate of Analysis	For more
number	State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.		Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	

Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	

Organic Carall		V		
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi- soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration,	

Production Date (YYMMDD)	and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo. This is the date on which product was processed or produced and is recorded in the format year,	Yes	Transporter management records Manufacturers Declaration of Compliance, Transfer Declaration, Transporter	For more information visit the GS1
Purchase Order number	month, day (YYMMDD). A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	management records Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	website.
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business Number (ABN)	number, issued by the Australian Tax Office, used to identify businesses.	Tes	Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance,	information visit the ATO website.
			Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management	
Supplier/Vendor	These are the identifying details	Yes	records Bill of lading/Air Waybill,	
Details	of the persons or business supplying items to another entity and may include operator or business name, address,		Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government	
	telephone number etc.		Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers	
			Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain	These are the identifying details	Yes	Organic Goods Certificate,	
Supplier/Vendor Details	of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone		Transporter management records	
	number etc.			
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
Temperature/Time	This is the temperature of milk or milk products at various stages along the supply chain such as milking, and collection for transport and is always recorded with the time at which the measurement was taken.	Yes	Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture,

	Establishment numbers for both the dispatching and receiving establishments are recorded.			Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.5.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Export (refrigerated) system include the movement of:

* Container System Unit (Export)

off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container	A container designed for	Bill of lading/Air Waybill, Certificate of Analysis	
System Unit	use as a unit of cargo	Export, Container System Unit label, Delivery	
(Export)	handling equipment in the	Docket/Manifest, Export Health/Government	
	transport of goods by	Certificate, Export Permit, Importer/Exporter	
	aircraft or ship.	Agreement, Manufacturers Declaration of	
		Compliance, Official Seal, Organic Goods Certificate,	
		Packing List, Purchase Order, Receipt of	
		purchase/Tax Invoice, Transfer Declaration,	
		Transporter management records	

Table 108. Physical outputs and associated Critical Tracking Event related documents for a dairy export (non-refrigerated) system.

5.2.5.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 109. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy export (non-refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the

				Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	

Contract end date	This is the date on which an	Yes	Importer/Exporter	
Contract end date	agreement between two parties	res	Agreement, Transporter	
	ends.		management records	
Contract number	This is a unique number	Yes	Delivery Docket/Manifest,	
contract number	allocated to the contract by the	103	Importer/Exporter	
	contract administrator.		Agreement, Transporter	
			management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties	100	Agreement, Transporter	
	begins.		management records	
Count of Trade	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Importer/Exporter	information
	trade items e.g., cartons in the		Agreement, Manufacturers	visit the GS1
	logistic unit.		Declaration of Compliance,	website.
			Organic Goods Certificate,	
			Packing List, Transfer	
			Declaration, Transporter	
			management records	
Country of origin	This includes where the product	Yes	Bill of lading/Air Waybill,	For more
, c	was manufactured and the		Transporter management	information
	origin of components if required		records	visit the GS1
	by the import conditions.			website.
Dairy Licence	State food authorities require all	Yes	Importer/Exporter	For more
number	businesses that produce,		Agreement, Transporter	information
	process, store or transport dairy		management records	visit the Dairy
	products to hold a dairy licence		_	Australia
	for compliance with food safety			website.
	standards.			
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
	which a record entry or		Certificate of Analysis	
	transaction was made.		Export, Delivery	
			Docket/Manifest, Export	
			Health/Government	
			Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase	
			Order, Receipt of	
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Declaration	This is a statement made by the	Yes	Manufacturers Declaration	For more
statement	dispatching establishment or		of Compliance, Transfer	information
	manufacturer of goods		Declaration, Transporter	<u>visit the</u>
	confirming that the information		management records	Department of
	on the document is true and			Agriculture,
	complete; that the food was			Water and the
	manufactured and processed in			Environment
	accordance with the Export			website.
	-	1		1
	Control (Milk and Milk Products)			

Delivery Docket/Manifest number Export Health/Government Certificate Number	approved arrangements; the goods are compliant with importing country requirements. This is a unique number allocated to the docket for identification purposes. A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Delivery Docket/Manifest, Transporter management records Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Export Permit, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the GS1 website.

Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Packing List, Receipt of purchase/Tax Invoice, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	

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Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Yes	Export Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration, Transporter management records	

	produced by a given unit of product e.g., a milk silo.			
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	For more information visit the ATO website.
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of	For more information visit the ATO website.

	1			,
			purchase/Tax Invoice,	
			Transfer Declaration,	
			Transporter management	
			records	
Supplier/Vendor	These are the identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis	
	supplying items to another		Export, Delivery	
	entity and may include operator		Docket/Manifest, Export	
	or business name, address,		Health/Government	
	telephone number etc.		Certificate, Export Permit,	
			Importer/Exporter	
			Agreement, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			-	
			Packing List, Purchase	
			Order, Transfer Declaration,	
			Transporter management	
			records	
Supply Chain	These are the identifying details	Yes	Organic Goods Certificate,	
Supplier/Vendor	of the persons or business,		Transporter management	
Details	previous to the current owner,		records	
	who were operators in relation			
	to the organic goods being			
	supplied to subsequent entities			
	and may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of instruction	Yes	Importer/Exporter	
requirements	specifying the temperature		Agreement, Packing List,	
	requirements for the goods		Transfer Declaration,	
	whilst in transport including		Transporter management	
	storage at less than -18 degrees		records	
	Celsius (frozen product); -5			
	degrees or less (chilled product);			
	unrefrigerated.			
Temperature/Time	This is the temperature of milk	Yes	Transporter management	
	or milk products at various		records	
	stages along the supply chain			
	such as milking, and collection			
	for transport and is always			
	recorded with the time at which			
	the measurement was taken.			
To Establishment	A number issued by Federal and	Yes	Importer/Exporter	For more
number	State Authorities to identify the	. 05	Agreement, Transfer	information
	receiving site of which milk or		Declaration, Transporter	visit the
	milk products (intended for		management records	Department of
	export) will be/were distributed		management records	Agriculture,
	to. For transfer declarations, the			Water and the
	Establishment numbers for both			
				Environment
	the dispatching and receiving			website.
To Dout Code	establishments are recorded. Also known as the port of	Vac	Dill of loding (Air Moschill	Formere
	LAISO KOOWO AS THE DOLT OT	Yes	Bill of lading/Air Waybill,	For more
To Port Code	discharge, this is the		Organic Goods Certificate,	information

	identification code of any		Packing List, Transporter	visit the
	location used in international		management records	Department of
	trade and transport (e.g.,		5	Agriculture,
	seaport, airports etc.) from			Water and the
	where goods are discharged or			Environment
	unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products indented for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, Transporter	
	that says what the product is. It		management records	
	may include information such as			
	net weight of product, name			
	and address of establishments,			
	ingredients, directions for use			
	etc.			
Transport	The registration number of the	Yes	Bill of lading/Air Waybill,	
registration number	vehicle in which the animals or		Export Health/Government	
	product were transported. For		Certificate, Organic Goods	
	shipments of product this will be		Certificate, Packing List,	
	a shipping container number.		Transporter management	
			records	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or enterprise		Delivery Docket/Manifest,	
	chooses to give a product		Transfer Declaration,	
	created e.g., Organic Salt		Transporter management	
	Reduced Mozzarella 1Kg		records	
Unit of measure	The unit of measure relating to a	Yes	Importer/Exporter	
	specific quantity.		Agreement, Purchase Order,	
			Transporter management	
			records	

5.2.5.2.5 Regulatory and Industry Programs

- * Dairy Australia
- * Australian Dairy Products Federation (ADPF)
- * Department of Agriculture (DoA)
- * Food Standards Australia and New Zealand (FSANZ)
- * Export Documentation System (EXDOC)
- * Other data sources

5.2.5.2.6 Supply Chain Node Traceability

Product transiting from import and export sectors is, like all other dairy product, traceable to any number of source properties and not the live animal. Receival or shipping of Container System Units which store dairy product inside large tins, cases, cartons and bags, can be traced through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a single container load with 600 cartons of bulk and/or retail ready dairy product, from a single processor may be received or shipped from an exporting country or from an importing country respectively. 200 cartons within the load were produced by the processor from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as

part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the product could have come from any of 72 farms.

5.2.5.2.7 Data flow diagrams

Direction	Description	
Input	Warehouse Logistics to Export (non-refrigerated)	
Input	Warehouse/Loadout to Export (non-refrigerated)	
Output	Export (refrigerated) to Import Inspection Facility	

Table 110. Data flow diagrams for the inputs and outputs of a dairy export (non-refrigerated) system.

5.2.5.2.7.1 Warehouse Logistics to Export (refrigerated)

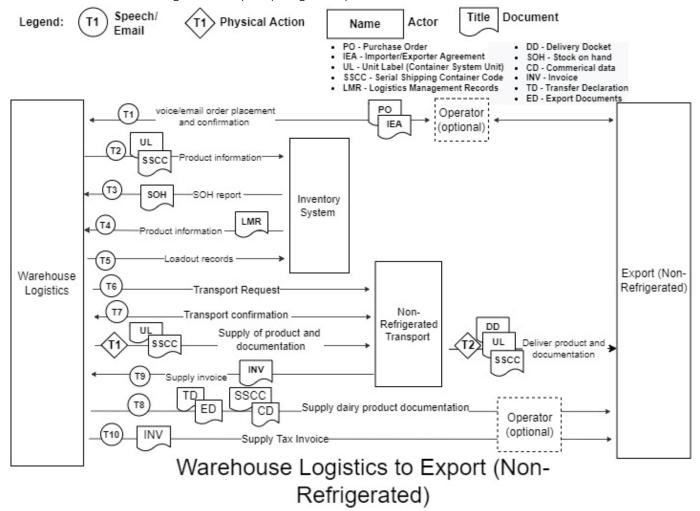
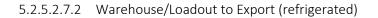


Figure 73. Data or information flows from the Warehouse Logistics to Export (Non-Refrigerated) systems in the dairy supply chain.



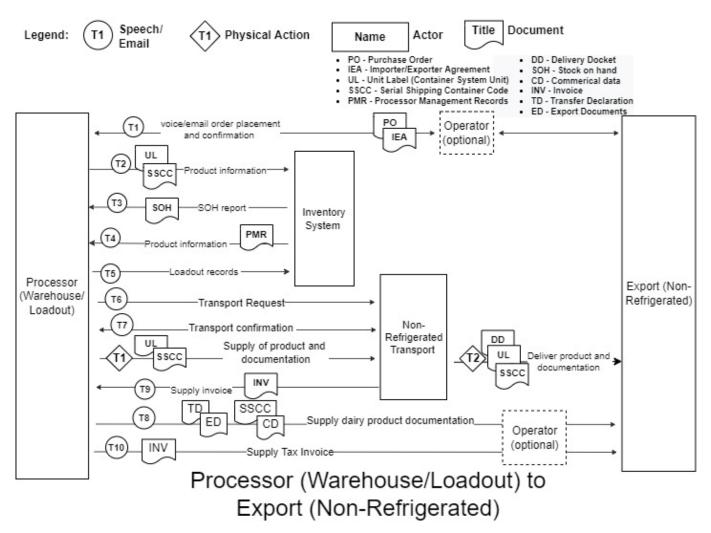


Figure 74. Data or information flows from the Processor (Warehouse/Loadout) to Export (Non-Refrigerated) systems in the dairy supply chain.

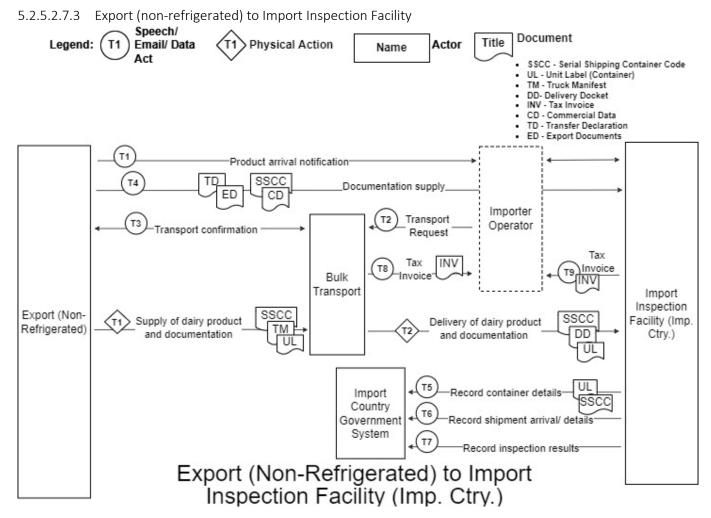
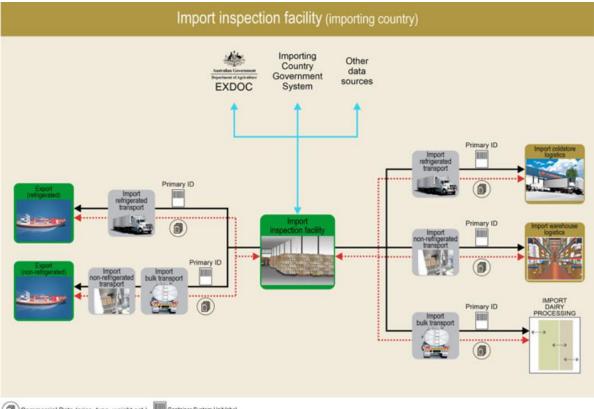


Figure 75. Data or information flows from the Export (Non-Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

5.2.6 Importing Country - National distribution

5.2.6.1 Import inspection facility

After being exported from the country of origin, product first arrives at the import inspection facility. This is generally the port of entry where product and transportation documentation are checked for compliance with the importing countries requirements and biosecurity standards. This may include product inspection and sample analysis before being cleared for release into the importers domestic market.



Container System Unit label Commercial Data (price, type, weight ect.)

Figure 76. Inputs and outputs of the dairy supply chain import inspection facility sector.

5.2.6.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Inspection Facility system include the receival of: * Container System Unit (Export).

Event related to	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
the inputs			
Container System Unit (Export)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Import Permit, Importers Declaration, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transfer Declaration, Transporter management records	

Table 111. Physical inputs and associated Critical Tracking Event related documents for a dairy import inspection facility system.

5.2.6.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 112. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import inspection facility	
system.	

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Transporter management records	
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Yes	Transfer Declaration, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Organic Goods Certificate, Transporter management records	

Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	

Construct an unable of	This is a surface as we have	Vee	Delivery Deelet/Marifest	
Contract number	This is a unique number	Yes	Delivery Docket/Manifest,	
	allocated to the contract by the		Importer/Exporter	
	contract administrator.		Agreement, Transporter	
Constructed at a start data	This is the slate are ushigh as	Vee	management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two parties		Agreement, Transporter	
Count of Trodo	begins.	Vee	management records	F a a a a a
Count of Trade	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
Items	barcode, this is the number of		Importer/Exporter Agreement, Manufacturers	information
	trade items e.g., cartons in the		Declaration of Compliance,	visit the GS1
	logistic unit.		Organic Goods Certificate,	website.
			-	
			Packing List, Transfer	
			Declaration, Transporter management records	
Country of origin	This includes where the product	Yes	Bill of lading/Air Waybill,	Formoro
Country of origin	This includes where the product was manufactured and the	res	Transporter management	For more information
	origin of components if required		records	visit the
	by the import conditions.			Department of
	by the import conditions.			Agriculture,
				Water and the
				Environment
				website.
Dairy Licence	State food authorities require all	Yes	Importer/Exporter	
number	businesses that produce,		Agreement, Transporter	
	process, store or transport dairy		management records	
	products to hold a dairy licence			
	for compliance with food safety			
	standards.			
Date	This is the date of signing or of	Yes	Bill of lading/Air Waybill,	
	which a record entry or		Certificate of Analysis	
	transaction was made.		Export, Delivery	
			Docket/Manifest, Export	
			Health/Government	
			Certificate, Import Receipt	
			of purchase/Tax Invoice,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Transfer Declaration,	
			Transporter management records	
Declaration	This is a statement made by the	Yes	Manufacturers Declaration	For more
statement	dispatching establishment or	103	of Compliance, Transfer	information
	manufacturer of goods		Declaration, Transporter	visit the
	confirming that the information		management records	Department of
	on the document is true and			Agriculture,
	complete; that the food was			Water and the
	manufactured and processed in			Environment
	accordance with the Export			website.

Delivery Docket/Manifest number Export Health/Government Certificate Number	Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements. This is a unique number allocated to the docket for identification purposes. A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Delivery Docket/Manifest, Transporter management records Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14- digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration,	For more information visit the GS1 website.

			Transporter management records	
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration, Transporter management records	For more information visit the GS1 website.

Official Seal Serial	This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper-evident seal issued by the Department.	res	Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g.,	Yes	Bill of lading/Air Waybill, Manufacturers Declaration	

	I .	1		1
	ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be		of Compliance, Packing List, Transfer Declaration, Transporter management records	
	produced by a given unit of product e.g., a milk silo.			
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transfer Declaration, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration, Transporter management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the

				Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Transfer Declaration, Transporter management records	<u>For more</u> <u>information</u> <u>visit the ATO</u> <u>website.</u>
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transfer Declaration, Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the	Yes	Importer/Exporter Agreement, Transfer Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the

T. D. J. C. J.	Establishment numbers for both the dispatching and receiving establishments are recorded.	Mark		Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.6.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Inspection Facility system include the movement of:

* Container System Unit (Import)

off the premises, or supply chain sector.

Table 113. Physical outputs and associated Critical Tracking Event related documents for a dairy import inspection facility system.

Event	•	Critical Tracking Event (CTE) related documents (including	More
related to	inputs	electronic)	details
the inputs			

Container	A container designed	Bill of lading/Air Waybill, Certificate of Analysis Export,	
System	for use as a unit of	Container System Unit label, Delivery Docket/Manifest, Export	
Unit	cargo handling	Health/Government Certificate, Food Control Certificate,	
(Import)	equipment in the	Import Permit, Imported Food Inspection Advice,	
	transport of goods by	Importer/Exporter Agreement, Importers Declaration,	
	aircraft or ship.	Manufacturers Declaration of Compliance, Official Seal,	
		Organic Goods Certificate, Packing List, Purchase Order,	
		Import Receipt of purchase/Tax Invoice, Transporter	
		management records	

5.2.6.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE). Information outputs from the import inspection facility are those KDEs which can be drawn from CTE documentation. These may include document numbers for documents such as the Bill of lading/Air Waybill, Meat Transfer Certificate and Certificate of Analysis and Import clearance documentation as well as other product specific information.

Table 114. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import inspection facility system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture,

				Water and the
				Environment
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets, and shipping containers for which an	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	website.
Certificate of Analysis number	analysis sample represents. A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Food Control Certificate, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which	Yes	Container System Unit label, Organic Goods Certificate,	

Container Weights (Kilograms)	identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code. This includes the maximum allowable weight of the	Yes	Packing List, Transporter management records Bill of lading/Air Waybill, Container System Unit label,	
	container, the container tare weight, the payload weight and cubic capacity (cubic feet).		Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Food Control Certificate, Food Control Certificate, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Transporter management records	
Dairy Licence number	State food authorities require all businesses that produce, process, store, or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Food Control Certificate, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Importers	

Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Transporter management records Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Food Control Certificate, Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the

	Establishment numbers for both the dispatching and receiving establishments are recorded.			Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	

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ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container	Yes	Container System Unit label, Transporter management records	
Movement date	and its characteristics. The date on which livestock or other products (e.g., feed, raw milk, or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Food Control Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	records Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Product name	This is a unique name that a business, company or	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export,	

	enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.		Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Manufacturers Declaration of Compliance, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transporter management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	

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Shipping Mark	Also known as a port mark,	Yes	Bill of lading/Air Waybill,	
	this is a code comprising of		Certificate of Analysis Export,	
	three letters representing the		Export Health/Government	
	foreign establishment number		Certificate, Transporter	
	and the last nine digits of the		management records	
	consignment SSCC.			
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis Export,	information
Number (ABN)	Australian Tax Office, used to		Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Transporter	
			management records	
Supplier/Vendor	This is a unique registration	Yes	Import Receipt of	
Business Number	number, used to identify		purchase/Tax Invoice,	
	businesses.		Transporter management	
			records	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to		Delivery Docket/Manifest,	
	another entity and may		Export Health/Government	
	include operator or business		Certificate, Importer/Exporter	
	name, address, telephone		Agreement, Importers	
	number etc.		Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			Transporter management	
			records	
Supply Chain	These are the identifying	Yes	Organic Goods Certificate,	
Supplier/Vendor	details of the persons or		Transporter management	
Details	business, previous to the		records	
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Packing List,	
-	temperature requirements for		Transporter management	
	the goods whilst in transport		records	
	including storage at less than -			
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
To Establishment	A number issued by Federal	Yes	Importer/Exporter	For more
number	and State Authorities to		Agreement, Transporter	information
	identify the receiving site of		management records	visit the
	which milk or milk products			Department of
	(intended for export) will			Agriculture,
	(interface for export) will	I		<u>ABricancarc</u>

To Port Code	be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded. Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	Water and the Environment website.
Trade description	or unloaded. Required on the packaging of	Yes	Export Health/Government	website.
	products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.		Certificate, Food Control Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Food Control Certificate, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.6.1.5 Regulatory and Industry Programs

- * Export Documentation System (EXDOC)
- * Importing Country Government System
- * Other data sources

5.2.6.1.6 Supply Chain Node Traceability

Product transiting from import and export sectors is, like all other dairy product, traceable to any number of source properties and not the live animal. Receival or shipping of Container System Units which store dairy product inside large tins, cases, cartons, and bags, can be traced through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a single container load with 600 cartons of bulk and/or retail ready dairy product, from a single processor may be received or shipped from an exporting country or from an importing country respectively. 200 cartons within the load were produced by the processor from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the product could have come from any of 72 farms.

5.2.6.1.7 Data flow diagrams

Direction	Description	
Input	Export (refrigerated) to Import Inspection Facility	
Input	Export (non-refrigerated) to Import Inspection Facility	
Output	Import Inspection Facility to Import Cold Store Logistics	
Output	Import Inspection Facility to Import Warehouse Logistics	
Output	Import Inspection Facility to IMPORT DAIRY PROCESSING	

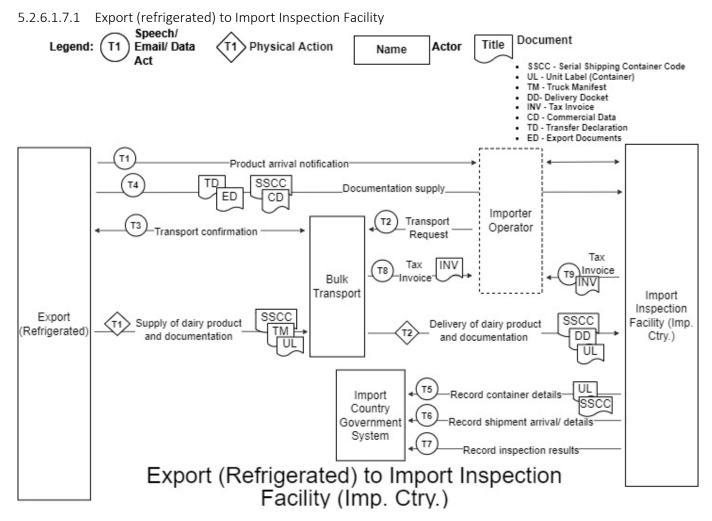


Figure 77. Data or information flows from the Export (Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

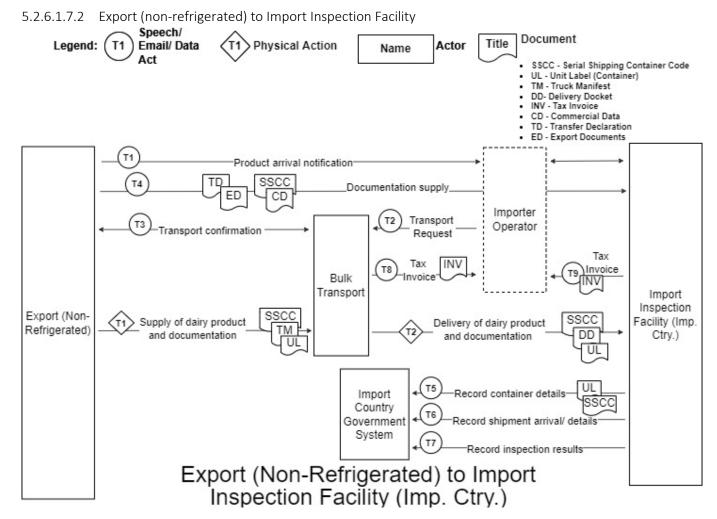


Figure 78. Data or information flows from the Export (Non-Refrigerated) to Import Inspection Facility (Importing Country) systems in the dairy supply chain.

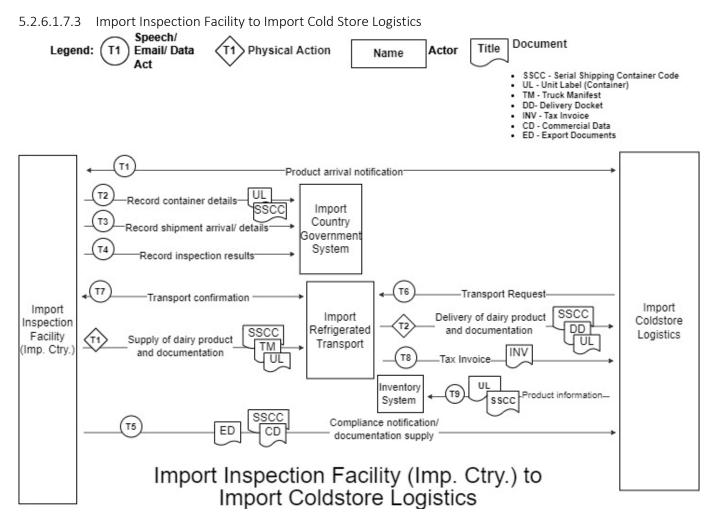


Figure 79. Data or information flows from the Import Inspection Facility (Importing Country) to Import Cold store Logistic systems in the dairy supply chain.

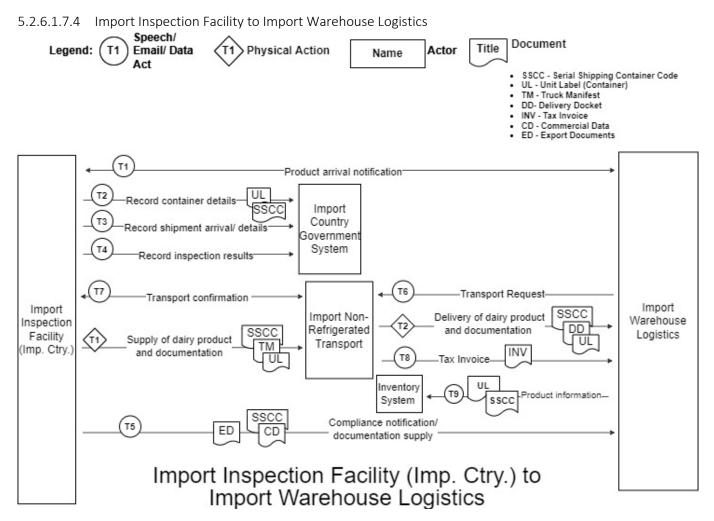


Figure 80. Data or information flows from the Import Inspection Facility (Importing Country) to Import Warehouse Logistic systems in the dairy supply chain.

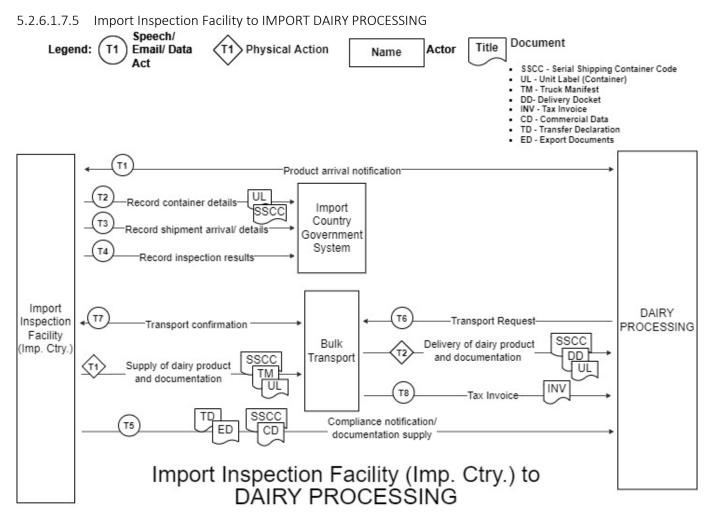


Figure 81. Data or information flows from the Import Inspection Facility (Importing Country) to DAIRY PROCESSING systems in the dairy supply chain.

5.2.6.2 Import Cold Store Logistics

Storing dairy products (e.g., pallets) typically provides a stock buffer between production and dispatch of product intended for domestic or export markets. A warehouse logistics storage system is an establishment, separate to a processing establishment, which performs activities the same as that for a warehouse/loadout facility integrated into a processing plant. However, product from multiple suppliers may be stored and/combined for dispatch. A cold storage facility involves refrigerated chambers that can chill or freeze any perishable product for a period of time before dispatch. Storage rooms must take into account the storage requirements for different products as well as rules for loading, maintenance and hygiene of storage equipment.

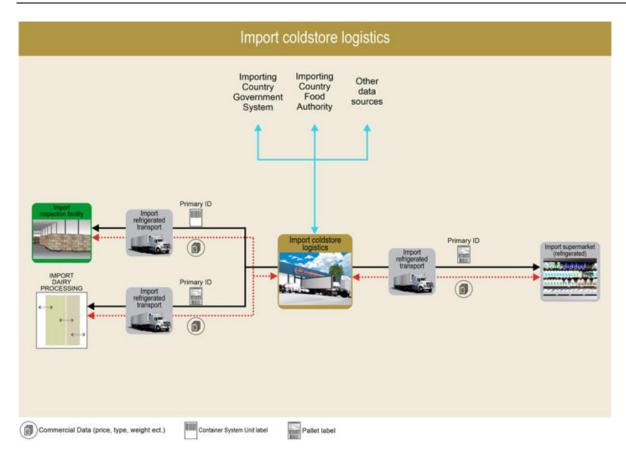


Figure 82. Inputs and outputs of the dairy supply chain import cold store logistics sector.

5.2.6.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Cold Store Logistics system include the receival of:

- * Container System Unit (Import)
- * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Imported Food Inspection Advice, Importer/Exporter Agreement, Importers Declaration, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Logistics management records	

Table 116. Physical inputs and associated Critical Tracking Event related documents for a dairy import cold store logistics system.

Pallet	A logistic unit which includes a	Delivery Docket/Manifest, Purchase Order, Import	
	number of cartons or goods	specific dairy product movement forms, Import	
	items packed together for	Receipt of purchase/Tax Invoice, SSCC/Pallet label,	
	transport or storage purposes.	Logistics management record	

5.2.6.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 117. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import cold store logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Logistic management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Logistic management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Logistic management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistic management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Logistic management records	

Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Logistic management records, Organic Goods Certificate	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Logistic management records, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Logistic management records, Organic Goods Certificate, Packing List	

Container Weights (Kilograms)	This includes the maximum allowable weight of the	Yes	Bill of lading/Air Waybill, Container System Unit label,	
	container, the container tare weight, the payload weight and cubic capacity (cubic feet).		Logistic management records, Packing List	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Logistic management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistic management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Logistic management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Logistic management records	
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Logistic management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic	

Declaration	This is a statement made by the dispatching establishment	Yes	management records, Manufacturers Declaration of Compliance, Packing List, Purchase Order Logistic management records Manufacturers, Declaration of	For more information
	or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.		Compliance	visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Logistic management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Logistic management records,	For more information visit the Department of Agriculture, Water and the Environment website.

	both the dispatching and receiving establishments are recorded.		Manufacturers Declaration of Compliance, SSCC/Pallet label	
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Logistic management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Logistic management records, Organic Goods Certificate, Packing List	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Logistic management records, Importers Declaration, Logistic management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of	Yes	Import Receipt of purchase/Tax Invoice, Logistic	

	purchased items/products for		management records, Packing	
	payment tracking purposes.		List	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Logistic management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Logistic management records, Organic Goods Certificate, Packing List	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistic management records, Official Seal, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistic management records	

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Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Logistic management records,	

Production Date (YYMMDD) Purchase Order number	certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo. This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD). A unique number assigned to a purchase or order usually	Yes	Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label Import specific dairy product movement forms, Logistic management records, Manufacturers Declaration of Compliance Delivery Docket/Manifest, Importer/Exporter	For more information visit the GS1 website.
	requested by a customer and is linked to the work order number/production order.		Agreement, Logistic management records, Packing List, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Logistic management records, Organic Goods Certificate, Packing List, Purchase Order	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Logistic management records, Purchase Order	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Organic Goods Certificate, Packing List, Purchase Order	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Logistic	For more information visit the ATO website.

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			management records,	
			Manufacturers Declaration of	
			Compliance, Purchase Order	
Supplier/Vendor	This is a unique registration	Yes	Import Receipt of	
Business Number	number, used to identify		purchase/Tax Invoice, Logistic	
	businesses.		management records	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to		Delivery Docket/Manifest,	
	another entity and may		Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone		dairy product movement	
	number etc.		forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Logistic	
			management records,	
			Manufacturers Declaration of	
			Compliance, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, SSCC/Pallet	
			label	
Supply Chain	These are the identifying	Yes	Logistic management records,	
Supplier/Vendor	details of the persons or		Organic Goods Certificate	
Details	business, previous to the			
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Logistic	
	temperature requirements for		management records, Packing	
	the goods whilst in transport		List	
	including storage at less than -			
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
To Establishment	A number issued by Federal	Yes	Import specific dairy product	For more
number	and State Authorities to		movement forms,	information
	identify the receiving site of		Importer/Exporter	visit the
	which milk or milk products		Agreement, Logistic	Department of
	(intended for export) will		management records	<u>Agriculture,</u>
	be/were distributed to. For			Water and the
	transfer declarations, the			Environment
	Establishment numbers for			website.
	both the dispatching and			
	receiving establishments are			
	recorded.			_
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
1	discharge, this is the		Logistic management records,	information

	identification code of any		Organic Goods Certificate,	visit the
	location used in international		Packing List	Department of
	trade and transport (e.g.,			Agriculture,
	seaport, airports etc.) from			Water and the
	where goods are discharged			Environment
	or unloaded.			
Trodo docoriation		Vec	Even ant Haalth /Cavanana ant	website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products intended for export,		Certificate, Logistic	
	this is a collective set of words		management records, Organic	
	that says what the product is.		Goods Certificate, SSCC/Pallet	
	It may include information		label	
	such as net weight of product,			
	name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transport	The registration number of	Yes	Bill of lading/Air Waybill,	
registration number	the vehicle in which the		Export Health/Government	
	animals or product were		Certificate, Import specific	
	transported. For shipments of		dairy product movement	
	product this will be a shipping		forms, Logistic management	
	container number.		records, Organic Goods	
			Certificate, Packing List	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Delivery Docket/Manifest,	
	enterprise chooses to give a		Import specific dairy product	
	product created e.g., Organic		movement forms, Logistic	
	Salt Reduced Mozzarella 1Kg		management records	
Unit of measure	The unit of measure relating	Yes	Importer/Exporter	
	to a specific quantity.		Agreement, Logistic	
			management records,	
			Purchase Order	

5.2.6.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Cold Store Logistics system include the movement of: * Pallet

off the premises, or supply chain sector.

Table 118. Physical outputs and associated Critical Tracking Event related documents for a dairy import cold store logistics system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records	

5.2.6.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 119. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import cold store logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records, Purchase Order, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Logistic	

			management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Logistic management records, Purchase Order	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Import Permit, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Import specific dairy product movement forms, Logistic management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture,

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Packaging Date	requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer. Encoded in the GS1 barcode, the	Yes	Logistic	Water and the Environment website.
(YYMMDD)	Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).		management records, SSCC/Pallet label	information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Logistic management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Logistic management records, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records, Purchase Order	

Bocoiver/Durer	This is a unique registration surplus	Vac	Logistic]
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Logistic management records, Purchase Order	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistic management records, Purchase Order	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Logistic management records, SSCC/Pallet label	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Import specific dairy product movement forms, Logistic management records	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Logistic management	

	records, Purchase	
	Order	

5.2.6.2.5 Regulatory and Industry Programs

- * Importing Country Government System
- * Importing Country Food Authority
- * Other data sources

5.2.6.2.6 Supply Chain Node Traceability

Palletised dairy product entering the logistics system will include packaged cartons with one or multiple Batches/Lot Numbers that can be identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

For example, 100 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are ready to be transferred into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.6.2.7 Data flow diagrams

Direction	Description	
Input	Import Inspection Facility to Import Cold Store Logistics	
Input	IMPORT DAIRY PROCESSING to Import Cold Store Logistics	
Output	Import Cold Store Logistics to Import Supermarket (refrigerated)	

Table 120. Data flow diagrams for the inputs and outputs of a dairy import cold store logistics system.

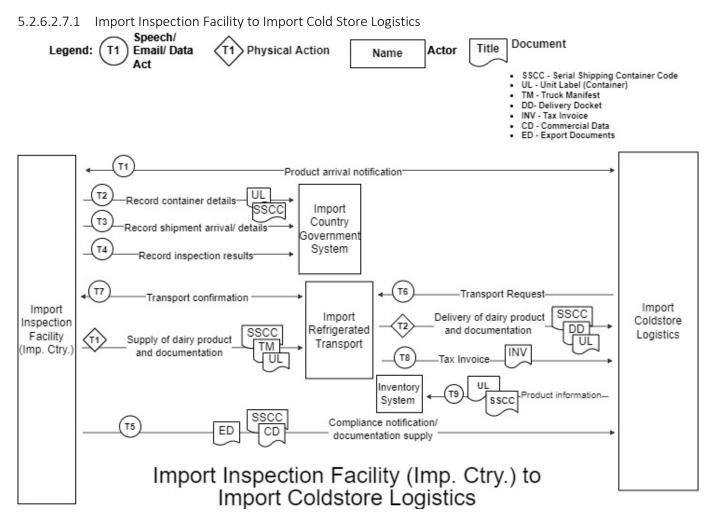
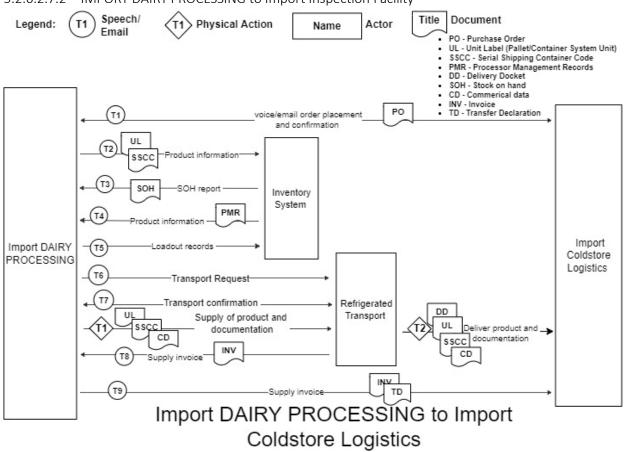
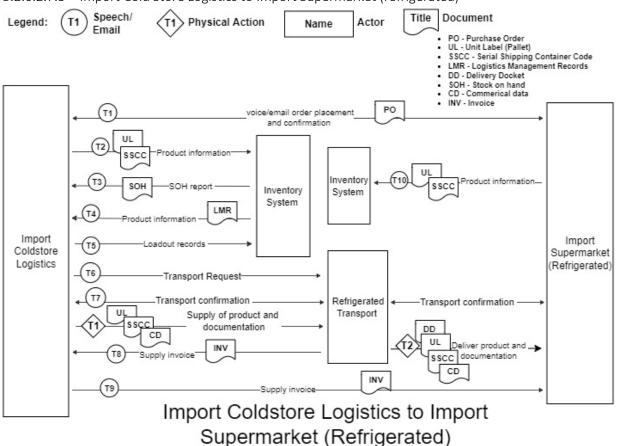


Figure 83. Data or information flows from the Import Inspection Facility (Importing Country) to Import Cold store Logistic systems in the dairy supply chain.



5.2.6.2.7.2 IMPORT DAIRY PROCESSING to Import Inspection Facility

Figure 84. Data or information flows from the DAIRY PROCESSING to Import Cold store Logistic systems in the dairy supply chain.



5.2.6.2.7.3 Import Cold Store Logistics to Import Supermarket (refrigerated)

Figure 85. Data or information flows from the Import Cold store Logistics to Import Supermarket (Refrigerated) systems in the dairy supply chain.

5.2.6.3 Import Warehouse Logistics

Storing dairy products (e.g., pallets) typically provides a stock buffer between production and dispatch of product intended for domestic or export markets. A warehouse logistics storage system is an establishment, separate to a processing establishment, which performs activities the same as that for a warehouse/loadout facility integrated into a processing plant. However, product from multiple suppliers may be stored and/combined for dispatch. A warehouse logistics facility involves non-refrigerated bays or chambers where non-perishable product is organized, managed, and stored for a period of time before dispatch. Storage rooms must consider the storage requirements for different products as well as rules for loading, maintenance, and hygiene of storage equipment.

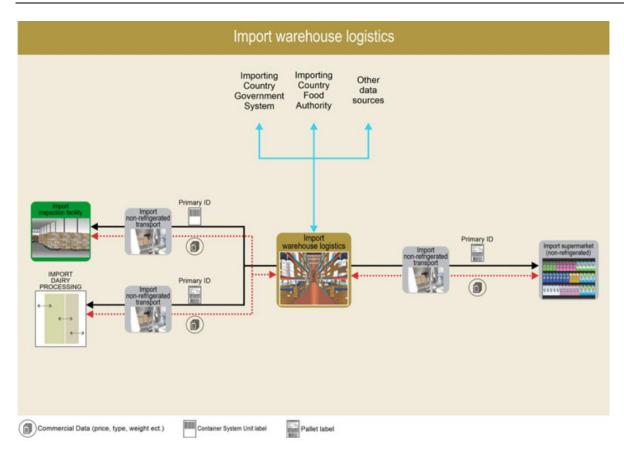


Figure 86. Inputs and outputs of the dairy supply chain import warehouse logistics sector.

5.2.6.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Cold Store Logistics system include the receival of:

- * Container System Unit (Import)
- * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Imported Food Inspection Advice, Importer/Exporter Agreement, Importers Declaration, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Logistics management records	

Table 121. Physical inputs and associated Critical Tracking Event related documents for a dairy import warehouse logistics system.

Pallet	A logistic unit which includes a	Delivery Docket/Manifest, Purchase Order, Import	
	number of cartons or goods	specific dairy product movement forms, Import	
	items packed together for	Receipt of purchase/Tax Invoice, SSCC/Pallet label,	
	transport or storage purposes.	Logistics management record	

5.2.6.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 122. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import warehouse logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Logistic management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Logistic management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Logistic management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Logistic management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Logistic management records	

Certificate of	A unique certificate number	Yes	Certificate of Analysis Export,	
Analysis number	issued for traceability purposes.	163	Imported Food Inspection Advice, Logistic management records, Organic Goods Certificate	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Logistic management records, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Logistic management records, Organic Goods Certificate, Packing List	

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Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Logistic management records, Packing List	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Logistic management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Logistic management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Logistic management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Logistic management records	
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Logistic management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic	

Declaration statement	This is a statement made by the dispatching establishment	Yes	management records, Manufacturers Declaration of Compliance, Packing List, Purchase Order Logistic management records Manufacturers, Declaration of	For more information
	or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.		Compliance	visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Logistic management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Logistic management records,	For more information visit the Department of Agriculture, Water and the Environment website.

	both the dispatching and receiving establishments are recorded.		Manufacturers Declaration of Compliance, SSCC/Pallet label	
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g. seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Logistic management records, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Logistic management records, Organic Goods Certificate, Packing List	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Logistic management records, Importers Declaration, Logistic management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of	Yes	Import Receipt of purchase/Tax Invoice, Logistic	

[purchased its makers durate for		monogoment vegevile. Deski v	
	purchased items/products for payment tracking purposes.		management records, Packing List	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Logistic management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Logistic management records, Organic Goods Certificate, Packing List	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Logistic management records, Official Seal, Organic Goods Certificate, Packing List	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Logistic management records	

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Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Logistic management records, Organic Goods Certificate	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Logistic management records,	

Production Date (YYMMDD) Purchase Order number	certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo. This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD). A unique number assigned to a purchase or order usually	Yes	Manufacturers Declaration of Compliance, Packing List, SSCC/Pallet label Import specific dairy product movement forms, Logistic management records, Manufacturers Declaration of Compliance Delivery Docket/Manifest, Importer/Exporter	For more information visit the GS1 website.
	requested by a customer and is linked to the work order number/production order.		Agreement, Logistic management records, Packing List, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Logistic management records, Organic Goods Certificate, Packing List, Purchase Order	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Logistic management records, Purchase Order	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Logistic management records, Organic Goods Certificate, Packing List, Purchase Order	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Logistic	For more information visit the ATO website.

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			management records,	
			Manufacturers Declaration of	
			Compliance, Purchase Order	
Supplier/Vendor	This is a unique registration	Yes	Import Receipt of	
Business Number	number, used to identify		purchase/Tax Invoice, Logistic	
	businesses.		management records	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to		Delivery Docket/Manifest,	
	another entity and may		Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone		dairy product movement	
	number etc.		forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Logistic	
			management records,	
			Manufacturers Declaration of	
			Compliance, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, SSCC/Pallet	
			label	
Supply Chain	These are the identifying	Yes	Logistic management records,	
Supplier/Vendor	details of the persons or		Organic Goods Certificate	
Details	business, previous to the			
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Logistic	
	temperature requirements for		management records, Packing	
	the goods whilst in transport		List	
	including storage at less than -			
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.		-	
To Establishment	A number issued by Federal	Yes	Import specific dairy product	For more
number	and State Authorities to		movement forms,	information
	identify the receiving site of		Importer/Exporter	visit the
	which milk or milk products		Agreement, Logistic	Department of
	(intended for export) will		management records	<u>Agriculture,</u>
	be/were distributed to. For			Water and the
	transfer declarations, the			Environment
	Establishment numbers for			website.
	both the dispatching and			
	receiving establishments are			
	recorded.			
To Port Code	Also known as the port of discharge, this is the	Yes	Bill of lading/Air Waybill,	For more
	alsoharge this is the		Logistic management records,	information

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	identification code of any		Organic Goods Certificate,	<u>visit the</u>
	location used in international		Packing List	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged			Environment
	or unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products intended for export,		Certificate, Logistic	
	this is a collective set of words		management records, Organic	
	that says what the product is.		Goods Certificate, SSCC/Pallet	
	It may include information		label	
	such as net weight of product,			
	name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transport	The registration number of	Yes	Bill of lading/Air Waybill,	
registration number	the vehicle in which the		Export Health/Government	
	animals or product were		Certificate, Import specific	
	transported. For shipments of		dairy product movement	
	product this will be a shipping		forms, Logistic management	
	container number.		records, Organic Goods	
			Certificate, Packing List	
Transporter Details	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Delivery Docket/Manifest,	
	enterprise chooses to give a		Import specific dairy product	
	product created e.g., Organic		movement forms, Logistic	
	Salt Reduced Mozzarella 1Kg		management records	
Unit of measure	The unit of measure relating	Yes	Importer/Exporter	
	to a specific quantity.		Agreement, Logistic	
			management records,	
			Purchase Order	

5.2.6.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Cold Store Logistics system include the movement of: * Pallet

off the premises, or supply chain sector.

Table 123. Physical outputs and associated Crit	tical Tracking Event related documents fo	or a dairy import warehouse logistics system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Logistics management records	

5.2.6.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 124. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import warehouse logistics system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records, Purchase Order, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Logistic	

			management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Logistic management records, Purchase Order	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	For more information visit the GS1 website.
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Import Permit, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Import specific dairy product movement forms, Logistic management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export	Yes	Logistic management records, SSCC/Pallet label	For more information visit the Department of Agriculture,

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Packaging Date	requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer. Encoded in the GS1 barcode, the	Yes	Logistic	Water and the Environment website.
(YYMMDD)	Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Tes	management records, SSCC/Pallet label	information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Import specific dairy product movement forms, Logistic management records, SSCC/Pallet label	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Logistic management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Logistic management records, Purchase Order	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records, Purchase Order	

Bocoiver/Durer	This is a unique registration surplan	Vac	Logistic	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Logistic management records, Purchase Order	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Logistic management records, Purchase Order	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Logistic management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records, Purchase Order, SSCC/Pallet label	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Logistic management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Logistic management records, SSCC/Pallet label	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Import specific dairy product movement forms, Logistic management records	
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Yes	Import specific dairy product movement forms, Logistic management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Logistic management	

	records, Purchase	
	Order	

5.2.6.3.5 Regulatory and Industry Programs

- * Importing Country Government System
- * Importing Country Food Authority
- * Other data sources

5.2.6.3.6 Supply Chain Node Traceability

Palletised dairy product entering the logistics system will include packaged cartons with one or multiple Batches/Lot Numbers that can be identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone live animals.

For example, 100 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are ready to be transferred into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.6.3.7 Data flow diagrams

Direction	Description
Input	Import Inspection Facility to Import Warehouse Logistics
Input	IMPORT DAIRY PROCESSING to Import Warehouse Logistics
Output	Import Warehouse Logistics to Import Supermarket (non-refrigerated)

Table 125. Data flow diagrams for the inputs and outputs of a dairy import warehouse logistics system.

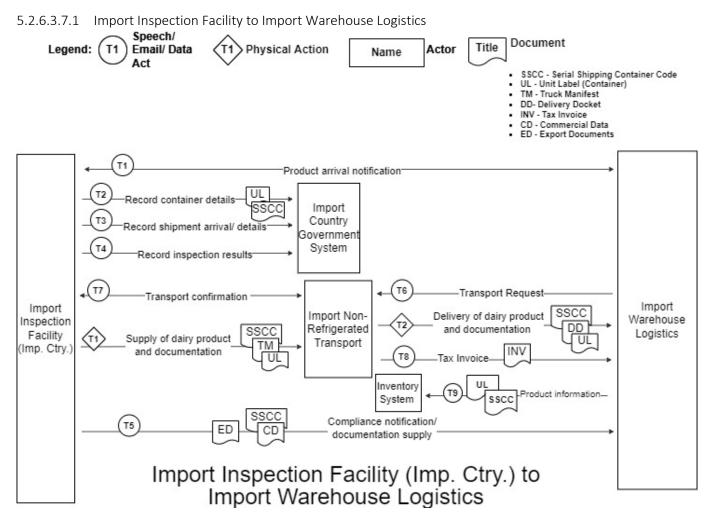
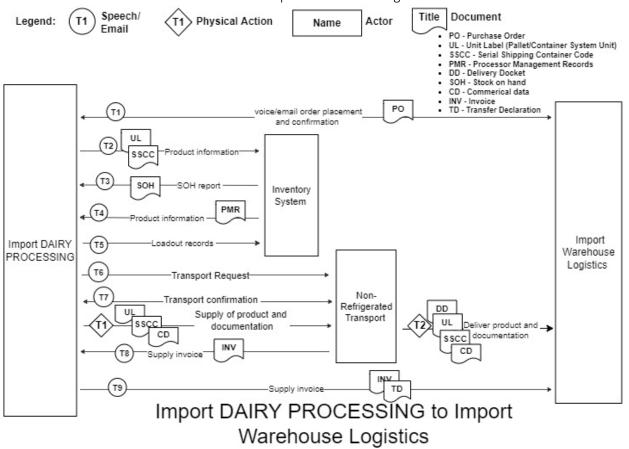
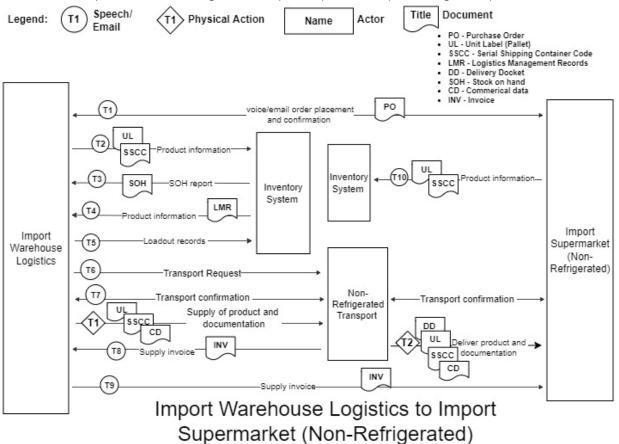


Figure 87. Data or information flows from the Import Inspection Facility (Importing Country) to Import Warehouse Logistic systems in the dairy supply chain.



5.2.6.3.7.2 IMPORT DAIRY PROCESSING to Import Warehouse Logistics

Figure 88. Data or information flows from the Import DAIRY PROCESSING to Import Warehouse Logistic systems in the dairy supply chain.



5.2.6.3.7.3 Import Warehouse Logistics to Import Supermarket (non-refrigerated)

Figure 89. Data or information flows from the Import Warehouse Logistics to Import Supermarket (Non-Refrigerated) systems in the dairy supply chain.

5.2.6.4 Import supermarket (refrigerated)

Supermarkets are product distribution centres whereby retail ready dairy product is sourced from suppliers (processors, warehouse facilities). These distribution centres may be chain or retail stores which market goods, sourced from individual suppliers, for purchase by consumers. Wet or cold dairy products such as milk, cream, cheese, or ice cream etc. must be kept refrigerated or frozen at the appropriate temperature to maintain shelf-life, product quality and food safety. Thus, such products are retailed from refrigeration or freezer units. All products must be labelled according to the country's food labelling standards.

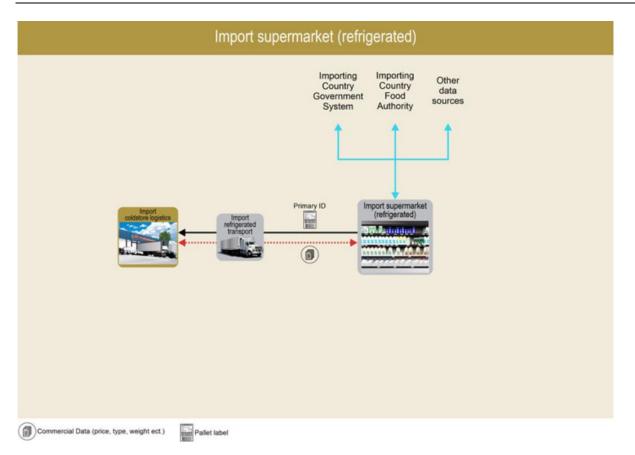


Figure 90. Inputs and outputs of the dairy supply chain import supermarket (refrigerated) sector.

5.2.6.4.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Supermarket (refrigerated) system include the receival of: * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Retailer management records, Delivery Docket/Manifest	

Table 126. Physical inputs and associated Critical Tracking Event related documents for a dairy import supermarket (refrigerated) system.

5.2.6.4.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 127. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import supermarket
(refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Import Receipt of purchase/Tax Invoice, Purchase Order, Retailer management records, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Retailer management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Retailer management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Import specific dairy	

Delivery Docket/Manifest number From Establishment number	This is a unique number allocated to the docket for identification purposes. A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are	Yes	product movement forms, Purchase Order, Retailer management records Delivery Docket/Manifest, Retailer management records Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	recorded. Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Import specific dairy product movement forms, Retailer management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.

Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Retailer management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Retailer management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records	

Quantity	This amount or volume of products	Yes	Delivery	
-	supplied or produced (e.g., retail items).		Docket/Manifest, Import Receipt of purchase/Tax Invoice, Purchase Order, Retailer management records	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Purchase Order, Retailer management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Retailer management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Retailer management records, SSCC/Pallet label	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For	Yes	Import specific dairy product movement forms, Retailer management records	

	shipments of product this will be a shipping container number.			
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Retailer	
	number etc.		management records	
Unit of measure	The unit of measure relating to a	Yes	Purchase Order, Retailer	
	specific quantity.		management records	

5.2.6.4.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Supermarket (refrigerated) system include the movement of: * Retail ready product

off the premises, or supply chain sector.

Table 128. Physical outputs and associated Critical Tracking Event related documents for a dairy import supermarket (refrigerated) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Retail	These are packaged meat products that	Retail product label, Retailer management	
ready	are ready to be retailed and purchased	records, Import Receipt of purchase/Tax	
product	by consumers.	Invoice	

5.2.6.4.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 129. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import supermarket (refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By	Used on end-product packaging, the	Yes	Retail product	For more
Date (YYMMDD)	Best Before Date indicates the date on		label, Retailer	information visit
	which the product may lose some of its		management	<u>the Food</u>
	qualities but is still safe to eat. The Use		records	<u>Standards</u>
	By Date is the last date on which the			Australia and New
	product must be eaten by or else			Zealand website.
	thrown away due to becoming a food			
	safety risk. The specific type of end			

	date to be used on dairy product			
	packaging is defined by regulations.			
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Import Receipt of purchase/Tax	
			Invoice, Retail product label, Retailer management records	
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retail product label, Retailer management records	For more information visit the Department of Agriculture, Water and the Environment website.
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Retail product label, Retailer management records	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retail product label, Retailer management records	For more information visit the GS1 website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Retail product label, Retailer management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Retail product label, Retailer management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Retail product label, Retailer management records	

Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Retail product label, Retailer management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Serial Number	Encoded in the GS1 barcode, this is a code, numeric or alphanumeric, assigned to an individual instance of an item for its lifetime.	Yes	Retail product label, Retailer management records	For more information visit the GS1 website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Retail product label, Retailer management records	

5.2.6.4.5 Regulatory and Industry Programs

* Importing Country Government System

* Importing Country Food Authority

* Other data sources

5.2.6.4.6 Supply Chain Node Traceability

Like cartoned product, the traceability of retail ready product is only possible back to several source properties, and not to the individual live animal. For example, 5 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are transferred into the supermarket system. These 5 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 5 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.6.4.7 Data flow diagrams

Table 130. Data flow diagrams for the inputs and outputs of a dairy import supermarket (refrigerated) system.

Direction	Description
Input	Import Cold Store Logistics to Import Supermarket (refrigerated)

5.2.6.4.7.1 Import Cold Store Logistics to Import Supermarket (refrigerated)

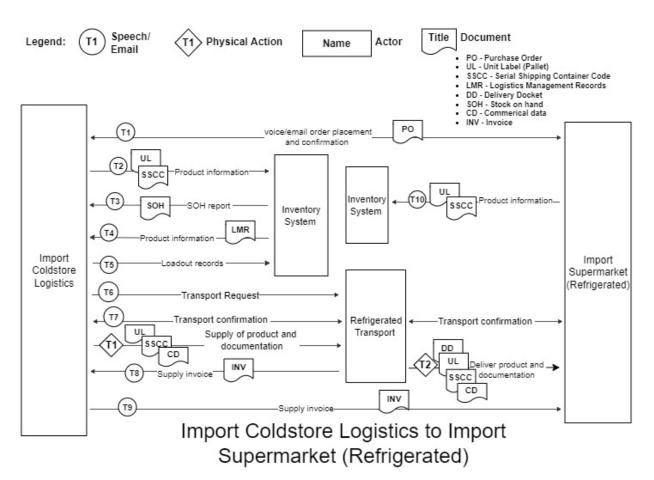


Figure 91. Data or information flows from the Import Cold store Logistics to Import Supermarket (Refrigerated) systems in the dairy supply chain.

5.2.6.5 Import supermarket (non- refrigerated)

Supermarkets are product distribution centres whereby retail ready dairy product is sourced from suppliers (processors, warehouse facilities). These distribution centres may be chain or retail stores which market goods, sourced from individual suppliers, for purchase by consumers. Dry dairy products such as milk powders or Ultra-High Temperature (UHT) products such as long-life milk do not require refrigeration and therefore are typically segregated from refrigerated dairy products in supermarkets, being retailed on dry goods shelving. All products must be labelled according to the country's food labelling standards.

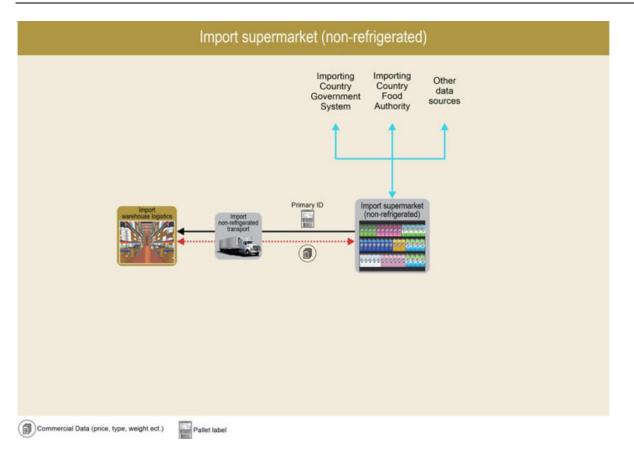


Figure 92. Inputs and outputs of the dairy supply chain import supermarket (non-refrigerated) sector.

5.2.6.5.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Supermarket (refrigerated) system include the receival of: * Pallet.

Table 131. Physical inputs and associated Critical Tracking Event related documents for a dairy import supermarket (non-refrigerated) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Retailer management records, Delivery Docket/Manifest	

5.2.6.5.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 132. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import supermarket (non-
refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Food Standards Australia and New Zealand website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Import Receipt of purchase/Tax Invoice, Purchase Order, Retailer management records, SSCC/Pallet label	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Retailer management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Retailer management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Delivery Docket/Manifest, Import Receipt of	

		r		
Delivery	This is a unique number allocated	Yes	purchase/Tax Invoice, Import specific dairy product movement forms, Purchase Order, Retailer management records Delivery	
Docket/Manifest number	to the docket for identification purposes.		Docket/Manifest, Retailer management records	
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Import specific dairy product movement forms, Retailer management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human	Yes	Retailer management records, SSCC/Pallet label	For more information visit the Department of Agriculture, Water and the Environment website.

	consumption by an Authorised Officer.			
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Retailer management records	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Import specific dairy product movement forms, Retailer management records, SSCC/Pallet label	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Retailer management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Purchase Order, Retailer management records	

Quantity	This amount or volume of products	Yes	Delivery	
	supplied or produced (e.g., retail items).		Docket/Manifest, Import Receipt of purchase/Tax Invoice, Purchase Order, Retailer management records	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Purchase Order, Retailer management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Purchase Order, Retailer management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Retailer management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Delivery Docket/Manifest, Import specific dairy product movement forms, Purchase Order, Retailer management records, SSCC/Pallet label	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Retailer management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Retailer management records, SSCC/Pallet label	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For	Yes	Import specific dairy product movement forms, Retailer management records	

	shipments of product this will be a shipping container number.			
Transporter Details	These are the identifying details of	Yes	Delivery	
	the persons or business		Docket/Manifest,	
	transporting items to another entity		Import specific dairy	
	and may include operator or		product movement	
	business name, address, telephone		forms, Retailer	
	number etc.		management records	
Unit of measure	The unit of measure relating to a	Yes	Purchase Order, Retailer	
	specific quantity.		management records	

5.2.6.5.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Supermarket (refrigerated) system include the movement of: * Retail ready product

off the premises, or supply chain sector.

Table 133. Physical outputs and associated Critical Tracking Event related documents for a dairy import supermarket (non-refrigerated) system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Retail	These are packaged meat products that	Retail product label, Retailer management	
ready	are ready to be retailed and purchased	records, Import Receipt of purchase/Tax	
product	by consumers.	Invoice	

5.2.6.5.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 134. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import supermarket (non-refrigerated) system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food	Yes	Retail product label, Retailer management records	For more information visit the Food Standards Australia and New Zealand website.

		1	1	1
	safety risk. The specific type of end			
	date to be used on dairy product			
	packaging is defined by regulations.			
Company/product	This is an in-house code for the	Yes	Import Receipt of	
code	identification of the product in the unit.		purchase/Tax	
			Invoice, Retail	
			product label,	
			Retailer	
			management	
			records	
Country of origin	This includes where the product was	Yes		Formoro
Country of origin	This includes where the product was	res	Retail product	For more
	manufactured and the origin of		label, Retailer	information visit
	components if required by the import		management	the Department of
	conditions.		records	Agriculture, Water
				and the
				Environment
				website.
Date	This is the date of signing or of which a	Yes	Import Receipt of	
	record entry or transaction was made.		purchase/Tax	
			Invoice, Retailer	
			management	
			records	
Global Trade Item	Encoded on the ITF-14 or GS1, the GTIN	Yes	Retail product	For more
Number (GTIN)	is a globally unique 14-digit number		label, Retailer	information visit
	used to identify specific trade items,		management	the GS1 website.
	products, or services and is linked to		records	
	the product name.		100103	
Invoice number	This is a unique number allocated to	Yes	Import Receipt of	
involce number	the invoice by the supplier or receiver	163	purchase/Tax	
			•	
	of purchased items/products for		Invoice, Retailer	
	payment tracking purposes.		management	
	Have the arrest deal in the CC1 beyond a	Maa	records	E e e e e e e
Net Weight	Usually encoded in the GS1 barcode,	Yes	Retail product	For more
(Kilograms)	the Net Weight is a variable measure of		label, Retailer	information visit
	the trade item e.g., carton, pallet or		management	the GS1 website.
	shipment recorded in kilograms.		records	
Packaging Date	Encoded in the GS1 barcode, the	Yes	Retail product	For more
(YYMMDD)	Packaging Date is the date on which		label, Retailer	information visit
	the item was packaged and is recorded		management	the GS1 website.
	in the format year, month, day		records	
	(YYMMDD).			
Product class	A product class is a group of products	Yes	Retail product	
	that are homogeneous or generally		label, Retailer	
	considered as substitutes for each		management	
	other. The class is considered as		records	
	narrow or broad depending on how		-	
	substitutable the various products are.			
	For example, hard, soft, semi-soft			
	cheese.			
Product name	This is a unique name that a business,	Yes	Potail product	
FIOUULL HAILE	•	162	Retail product	
	company or enterprise chooses to give		label, Retailer	
	a product created e.g., Organic Salt		management	
	Reduced Mozzarella 1Kg.		records	

	1			1 1
Production	This is a unique number which	Yes	Retail product	
batches/lot	identifies products (e.g., ingredients,		label, Retailer	
numbers	commodities, products, chemicals)		management	
	sharing certain production		records	
	characteristics and is used for			
	traceability purposes. Note that			
	multiple batches may be produced by a			
	given unit of product e.g., a milk silo.			
Quantity	This amount or volume of products	Yes	Import Receipt of	
	supplied or produced (e.g., retail		purchase/Tax	
	items).		Invoice, Retailer	
			management	
			records	
Serial Number	Encoded in the GS1 barcode, this is a	Yes	Retail product	For more
	code, numeric or alphanumeric,		label, Retailer	information visit
	assigned to an individual instance of an		management	the GS1 website.
	item for its lifetime.		records	
Supplier/Vendor	This is a unique registration number,	Yes	Import Receipt of	
Business Number	used to identify businesses.		purchase/Tax	
			Invoice, Retailer	
			management	
			records	
Supplier/Vendor	These are the identifying details of the	Yes	Retail product	
Details	persons or business supplying items to		label, Retailer	
	another entity and may include		management	
	operator or business name, address,		records	
	telephone number etc.			

5.2.6.5.5 Regulatory and Industry Programs

* Importing Country Government System

* Importing Country Food Authority

* Other data sources

5.2.6.5.6 Supply Chain Node Traceability

Like cartoned product, the traceability of retail ready product is only possible back to several source properties, and not to the individual live animal. For example, 5 pallets which each hold 36 cartons containing 10 x 1L units of Full Cream Milk are transferred into the supermarket system. These 5 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 5 pallets of Full Cream Milk, the raw milk ingredient within any one unit may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.6.5.7 Data flow diagrams

Table 135. Data flow diagrams for the inputs and outputs of a dairy import supermarket (non-refrigerated) system.

Direction	Description
Input	Import Warehouse Logistics to Import Supermarket (non-refrigerated)

5.2.6.5.7.1 Import Warehouse Logistics to Import Supermarket (non-refrigerated)

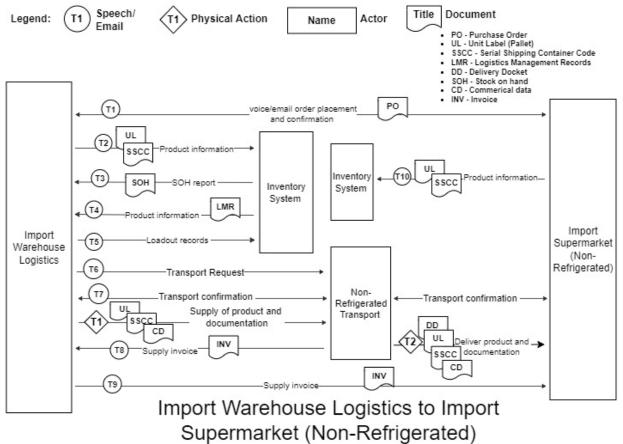


Figure 93. Data or information flows from the Import Warehouse Logistics to Import Supermarket (Non-Refrigerated) systems in the dairy supply chain.

5.2.7 Importing Country - Cross-sector

5.2.7.1 Import non-refrigerated transport

Non-refrigerated transport involves the movement (including loading and unloading) of dry dairy products from one premises to another under conditions which ensure that product quality and food safety is maintained. Ensuring that adequate hygiene and temperature controls are complied with is integral to successful refrigerated transport. Product, being in palletised form, must be accompanied by movement related documents as required by the importing country.

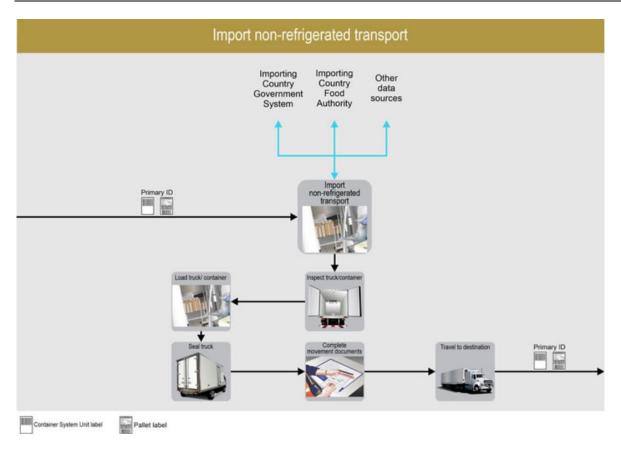


Figure 94. Inputs and outputs of the dairy supply chain import non-refrigerated transport sector.

5.2.7.1.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Non-Refrigerated Transport system include the receival of:

- * Container System Unit (Import)
- * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container	A container designed for use as a unit of cargo	Bill of lading/Air Waybill,	
System Unit	handling equipment in the transport of goods by	Certificate of Analysis	
(Import)	aircraft or ship.	Export, Container System	
		Unit label, Delivery	
		Docket/Manifest, Export	
		Health/Government	
		Certificate, Import Permit,	
		Importer/Exporter	
		Agreement, Importers	
		Declaration, Imported	
		Food Inspection Advice,	

Table 136. Physical inputs and associated Critical Tracking Event related documents for a dairy import non-refrigerated transport system.

		Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records

5.2.7.1.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.

Table 137. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import non-refrigerated transport system.

	packaging is defined by regulations.			
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e.,	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice,	For more information visit the GS1 website.

	shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for		Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	
Container System Unit number	the life of the logistic unit. This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	

Dute such a		. V.	La contra contra contra da	
Dairy product	A unique certificate number	Yes	Import specific dairy product	
movement form	issued for traceability		movement forms, Transporter	
number	purposes.	Vee	management records	
Date	This is the date of signing or	Yes	Bill of lading/Air Waybill,	
	of which a record entry or		Certificate of Analysis Export,	
	transaction was made.		Delivery Docket/Manifest,	
			Export Health/Government	
			Certificate, Import Receipt of	
			purchase/Tax Invoice, Import	
			specific dairy product movement forms,	
			Importer/Exporter Agreement, Importers	
			Declaration, Manufacturers	
			Declaration, Manufacturers Declaration of Compliance,	
			Packing List, Purchase Order,	
			Transporter management	
			records	
Declaration	This is a statement made by	Yes	Manufacturers Declaration of	For more
statement	the dispatching establishment	100	Compliance, Transporter	information
	or manufacturer of goods		management records	visit the
	confirming that the			Department of
	information on the document			Agriculture,
	is true and complete; that the			Water and the
	food was manufactured and			Environment
	processed in accordance with			website.
	, the Export Control (Milk and			
	Milk Products) Rules 2021 and			
	the applicable approved			
	arrangements; the goods are			
	compliant with importing			
	country requirements.			
Delivery	This is a unique number	Yes	Delivery Docket/Manifest,	
Docket/Manifest	allocated to the docket for		Transporter management	
number	identification purposes.		records	
Export	A unique number allocated to	Yes	Export Health/Government	For more
Health/Government	the Health/Government		Certificate, Organic Goods	information
Certificate Number	Certificate export		Certificate, Transporter	<u>visit the</u>
	consignment for traceability		management records	Department of
	purposes.			<u>Agriculture,</u>
				Water and the
				Environment
				website.
Export Permit	A unique permit number is	Yes	Organic Goods Certificate,	For more
Number	allocated for the export		Transporter management	information
	consignment following		records	visit the
	submission of a correct and			Department of
	validated Request For Export			Agriculture,
	(RFE) which is then approved			Water and the
	by the Secretary.			Environment
				website.

Food Control Certificate entry number From Establishment number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry. A number issued by Federal and State Authorities to identify the originating site from which milk or milk	Yes	Imported Food Inspection Advice, Transporter management records Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement	For more information visit the Department of Agriculture, Water and the Environment website. For more information visit the Department of
	products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.		forms, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transporter management records	Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	

Import Permit Number Imported Food Inspection Advice certificate number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country. A unique certificate number issued for traceability purposes.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk, or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

	Official marks indicate]
	compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an			
Official Seal Serial	Authorised Officer. This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper- evident seal issued by the Department.		Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e. pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order,	

	[
			SSCC/Pallet label, Transporter	
			management records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Certificate of Analysis Export,	
	enterprise chooses to give a		Delivery Docket/Manifest,	
	product created e.g., Organic		Import specific dairy product	
	Salt Reduced Mozzarella 1Kg.		movement forms,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	•	res	Import specific dairy product	
batches/lot numbers	identifies products (e.g.,			
	ingredients, commodities,		movement forms,	
	products, chemicals) sharing		Manufacturers Declaration of	
	certain production		Compliance, Packing List,	
	characteristics and is used for		SSCC/Pallet label, Transporter	
	traceability purposes. Note		management records	
	that multiple batches may be			
	produced by a given unit of			
	product e.g., a milk silo.			
Production Date	This is the date on which	Yes	Import specific dairy product	For more
(YYMMDD)	product was processed or		movement forms,	information
	produced and is recorded in		Manufacturers Declaration of	visit the GS1
	the format year, month, day		Compliance, Transporter	website.
	(YYMMDD).		management records	
Purchase Order	A unique number assigned to	Yes	Delivery Docket/Manifest,	
number	a purchase or order usually		Importer/Exporter	
	requested by a customer and		Agreement, Packing List,	
	is linked to the work order		Purchase Order, Transporter	
	number/production order.		management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or		Import Receipt of	
	produced (e.g., retail items).		purchase/Tax Invoice,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transporter	
			management records	
Receiver/Buyer	This is a unique registration	Yes	Certificate of Analysis Export,	
Business Number	number, used to identify	162	Importer/Exporter	
DUSITIESS NUTIBEI	businesses.			
	טעטווופטטפט.		Agreement, Purchase Order,	
			Transporter management	
Dessitive (D		N.	records	
Receiver/Buyer	These are identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis Export,	
	receiving or purchasing items		Delivery Docket/Manifest,	
	from another entity and may		Export Health/Government	
	include operator or business	1	Certificate, Import specific	

				,
Shipping Mark	name, address, telephone number etc.	Yes	dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	Formero
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	res	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for	Yes	Importer/Exporter Agreement, Packing List,	

To Establishment number	the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated. A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will	Yes	Transporter management records Import specific dairy product movement forms, Importer/Exporter Agreement, Transporter management records	For more information visit the Department of Agriculture,
	be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.			Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Import specific dairy product movement forms, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.1.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Non-Refrigerated Transport system include the movement of:

* Container System Unit (Import)

* Pallet

off the premises, or supply chain sector.

Table 138. Physical outputs and associated Critical Tracking Event related documents for a dairy import non-refrigerated transport system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Importer/Exporter Agreement, Importers Declaration, Imported Food Inspection Advice, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records	
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	

5.2.7.1.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 139. Information outputs, Key Data Elements and Critical Tracking Event related documentation for dairy import non-refrigerated transport system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include	Yes	Importers Declaration, Transporter management records	

	full name, address, telephone			
	number etc.			
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet	

			label, Transporter	
			management records	
Confirmation	This is a statement made by	Yes		
statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

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Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of

Export Permit Number	consignment for traceability purposes. A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (REE) which is then approved	Yes	Organic Goods Certificate, Transporter management records	Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the
Food Control Certificate entry number	 (RFE) which is then approved by the Secretary. This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry. 	Yes	Imported Food Inspection Advice, Transporter management records	Water and theEnvironmentwebsite.For moreinformationvisit theDepartment ofAgriculture,Water and theEnvironmentwebsite.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers	For more information

	item e.g., carton, pallet or shipment recorded in		Declaration of Compliance, Organic Goods Certificate,	visit the GS1 website.
	kilograms.		Packing List, SSCC/Pallet label, Transporter management records	
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The	Yes	Import specific dairy product movement forms, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

	SSCC remains the same for			
Dreduct elece	the life of the logistic unit.	Vee		
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are		Certificate of Analysis Export,	
	homogeneous or generally		Delivery Docket/Manifest,	
	considered as substitutes for		Import specific dairy product	
	each other. The class is		movement forms,	
	considered as narrow or		Importer/Exporter	
	broad depending on how		Agreement, Importers	
	substitutable the various		Declaration, Manufacturers	
	products are. For example,		Declaration of Compliance,	
	hard, soft, semi-soft cheese.		Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Certificate of Analysis Export,	
	enterprise chooses to give a		Delivery Docket/Manifest,	
	product created e.g., Organic		Import specific dairy product	
	Salt Reduced Mozzarella 1Kg.		movement forms,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	identifies products (e.g.,		Import specific dairy product	
	ingredients, commodities,		movement forms,	
	products, chemicals) sharing		Manufacturers Declaration of	
	certain production		Compliance, Packing List,	
	characteristics and is used for		SSCC/Pallet label, Transporter	
	traceability purposes. Note		management records	
	that multiple batches may be			
	produced by a given unit of			
	product e.g., a milk silo.			
Production Date	This is the date on which	Yes	Import specific dairy product	For more
(YYMMDD)	product was processed or	100	movement forms,	information
	produced and is recorded in		Manufacturers Declaration of	visit the GS1
	the format year, month, day		Compliance, Transporter	website.
	(YYMMDD).		management records	website.
Purchase Order	A unique number assigned to	Yes	Delivery Docket/Manifest,	
number	a purchase or order usually	162	Importer/Exporter	
	requested by a customer and is linked to the work order		Agreement, Packing List,	
			Purchase Order, Transporter	
Questitu	number/production order.	Maria	management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or		Import Receipt of	
	produced (e.g., retail items).		purchase/Tax Invoice,	
			Importer/Exporter	
			Agreement, Organic Goods	

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			Certificate, Packing List,	
			Purchase Order, Transporter	
			management records	
Receiver/Buyer	This is a unique registration	Yes	Certificate of Analysis Export,	
Business Number	number, used to identify		Importer/Exporter	
	businesses.		Agreement, Purchase Order,	
			Transporter management	
			records	
Receiver/Buyer	These are identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis Export,	
	receiving or purchasing items		Delivery Docket/Manifest,	
	from another entity and may		Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone		dairy product movement	
	number etc.		forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transporter	
			management records	
Shipping Mark	Also known as a port mark,	Yes	Bill of lading/Air Waybill,	For more
	this is a code comprising of		Certificate of Analysis Export,	information
	three letters representing the		Export Health/Government	visit the
	foreign establishment number		Certificate, Transporter	Department of
	and the last nine digits of the		management records	<u>Agriculture,</u>
	consignment SSCC.			Water and the
				Environment
				website.
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis Export,	information
Number (ABN)	Australian Tax Office, used to		Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Manufacturers Declaration of Compliance,	website.
			•	
			Purchase Order, Transporter	
Supplier/Vender	This is a unique registration	Vac	management records	
Supplier/Vendor Business Number	This is a unique registration	Yes	Import Receipt of purchase/Tax Invoice,	
Business Number	number, used to identify businesses.		Transporter management	
	busiliesses.		records	
Supplier/Vender	These are the identifying	Vac		
Supplier/Vendor Details	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to another entity and may		Delivery Docket/Manifest, Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone		dairy product movement	
	number etc.		forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
]	management records	

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Supply Chain	These are the identifying	Yes	Organic Goods Certificate,	
Supplier/Vendor	details of the persons or		Transporter management	
Details	business, previous to the		records	
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Packing List,	
requirements	temperature requirements for		Transporter management	
	the goods whilst in transport		records	
	including storage at less than -		Tecolus	
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
To Establishment	A number issued by Federal	Yes	Import specific dairy product	For more
number	and State Authorities to		movement forms,	information
	identify the receiving site of		Importer/Exporter	<u>visit the</u>
	which milk or milk products		Agreement, Transporter	Department of
	(intended for export) will		management records	<u>Agriculture,</u>
	be/were distributed to. For			Water and the
	transfer declarations, the			Environment
	Establishment numbers for			website.
	both the dispatching and			
	receiving establishments are			
	recorded.			
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	visit the
	location used in international		management records	Department of
	trade and transport (e.g.,		management records	Agriculture,
	seaport, airports etc.) from			Water and the
	where goods are discharged			Environment
The dealer of the second	or unloaded.	X		website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products intended for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, SSCC/Pallet label,	
	that says what the product is.		Transporter management	
	It may include information		records	
	such as net weight of product,			
	name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transport	The registration number of	Yes	Bill of lading/Air Waybill,	
registration number	the vehicle in which the	-	Export Health/Government	
0	animals or product were		Certificate, Import specific	
	transported. For shipments of		dairy product movement	
	product this will be a shipping		forms, Organic Goods	
	container number.		Certificate, Packing List,	
		l	Certificate, Facking List,	l

			Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.1.5 Regulatory and Industry Programs

- * Importing Country Government System
- * Importing Country Food Authority
- * Other data sources

5.2.7.1.6 Supply Chain Node Traceability

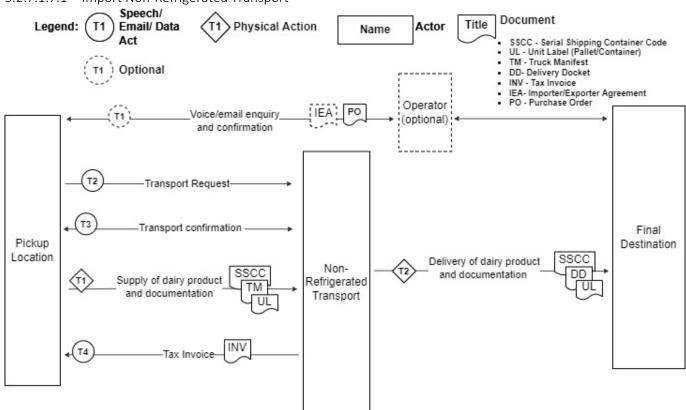
Final palletised dairy product undergoing transport will include packaged cartons, loaded on pallets identified with one or multiple Batches/Lot Numbers identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone animals.

For example, 100 pallets which each hold 36 boxes containing 10 x 1L cartons of Full Cream Milk are ready to be transported into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one carton may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.7.1.7 Data flow diagrams

T 1 1 4 4 0 D 1 1			N D (' ' ' T ' ' '
Table 140. Data flow (diagrams for the inputs and	l outputs of an Import	Non-Refrigerated Transport system.

Direction	Description
Intermediate	Import Non-Refrigerated Transport



5.2.7.1.7.1 Import Non-Refrigerated Transport

Non-Refrigerated Transport

Figure 95. Data or information flows from the Non-Refrigerated Transport system in the dairy supply chain.

5.2.7.2 Import refrigerated transport

Refrigerated transport involves the movement (including loading and unloading) of cold dairy products from one premises to another under conditions which ensure that product quality and food safety is maintained. Ensuring that adequate hygiene and temperature controls are complied with is integral to successful refrigerated transport. Product, being in palletised form, must be accompanied by movement related documents as required by the importing country.

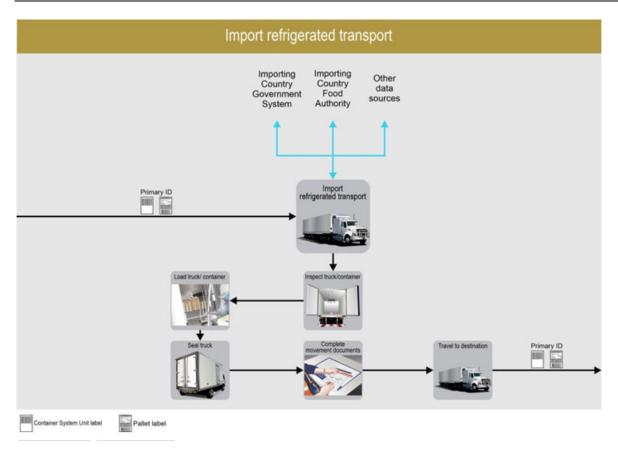


Figure 96. Inputs and outputs of the dairy supply chain import refrigerated transport sector.

5.2.7.2.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Non-Refrigerated Transport system include the receival of:

- * Container System Unit (Import)
- * Pallet.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container	A container designed for use as a unit of cargo	Bill of lading/Air Waybill,	
System Unit	handling equipment in the transport of goods by	Certificate of Analysis	
(Import)	aircraft or ship.	Export, Container System	
		Unit label, Delivery	
		Docket/Manifest, Export	
		Health/Government	
		Certificate, Import Permit,	
		Importer/Exporter	
		Agreement, Importers	
		Declaration, Imported	
		Food Inspection Advice,	

Table 141. Physical inputs and associated Critical Tracking Event related documents for a dairy import refrigerated transport system.

		Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records

5.2.7.2.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.

Table 142. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import refrigerated transport system.

	packaging is defined by regulations.			
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e.,	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice,	For more information visit the GS1 website.

	shipment/message that is assigned by the establishment constructing the unit. The		Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management	
	SSCC remains the same for the life of the logistic unit.		records	
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	

Delmanatural	A sustained as stiffing to the	M.	Increase and the state of the s	
Dairy product movement form	A unique certificate number	Yes	Import specific dairy product	
number	issued for traceability		movement forms, Transporter management records	
Date	purposes. This is the date of signing or	Yes	Bill of lading/Air Waybill,	
Date	of which a record entry or	ies	Certificate of Analysis Export,	
	transaction was made.		Delivery Docket/Manifest,	
	transaction was made.		Export Health/Government	
			Certificate, Import Receipt of	
			purchase/Tax Invoice, Import	
			specific dairy product	
			movement forms,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Transporter management	
			records	
Declaration	This is a statement made by	Yes	Manufacturers Declaration of	For more
statement	the dispatching establishment		Compliance, Transporter	information
	or manufacturer of goods		management records	<u>visit the</u>
	confirming that the			Department of
	information on the document			<u>Agriculture,</u>
	is true and complete; that the			Water and the
	food was manufactured and			Environment
	processed in accordance with			website.
	the Export Control (Milk and			
	Milk Products) Rules 2021 and			
	the applicable approved			
	arrangements; the goods are compliant with importing			
	country requirements.			
Delivery	This is a unique number	Yes	Delivery Docket/Manifest,	
Docket/Manifest	allocated to the docket for	163	Transporter management	
number	identification purposes.		records	
Export	A unique number allocated to	Yes	Export Health/Government	For more
Health/Government	the Health/Government		Certificate, Organic Goods	information
Certificate Number	Certificate export		Certificate, Transporter	visit the
	consignment for traceability		management records	Department of
	purposes.			Agriculture,
				Water and the
				Environment
				website.
Export Permit	A unique permit number is	Yes	Organic Goods Certificate,	For more
Number	allocated for the export		Transporter management	information
	consignment following		records	<u>visit the</u>
	submission of a correct and			Department of
	validated Request For Export			<u>Agriculture,</u>
	(RFE) which is then approved			Water and the
	by the Secretary.			Environment
				website.

Food Control Certificate entry number From Establishment number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry. A number issued by Federal and State Authorities to	Yes	Imported Food Inspection Advice, Transporter management records Certificate of Analysis Export, Export Health/Government	For more information visit the Department of Agriculture, Water and the Environment website. For more information
	identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.		Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transporter management records	visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	

Import Permit Number Imported Food Inspection Advice certificate number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country. A unique certificate number issued for traceability purposes.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website. For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

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Official Seal Serial	Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer. This is a unique serial number	Yes	Bill of lading/Air Waybill,	<u>For more</u>
Number	printed on any tamper- evident seal issued by the Department.		Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e. pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order,	

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			SSCC/Pallet label, Transporter	
			management records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Certificate of Analysis Export,	
	enterprise chooses to give a		Delivery Docket/Manifest,	
	product created e.g., Organic		Import specific dairy product	
	Salt Reduced Mozzarella 1Kg.		movement forms,	
	_		Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	This is a unique number which	res	Import specific dairy product	
Datches/lot numbers	identifies products (e.g.,			
	ingredients, commodities,		movement forms, Manufacturers Declaration of	
	products, chemicals) sharing		Manufacturers Declaration of	
	certain production		Compliance, Packing List,	
	characteristics and is used for		SSCC/Pallet label, Transporter	
	traceability purposes. Note		management records	
	that multiple batches may be			
	produced by a given unit of			
	product e.g., a milk silo.			
Production Date	This is the date on which	Yes	Import specific dairy product	For more
(YYMMDD)	product was processed or		movement forms,	<u>information</u>
	produced and is recorded in		Manufacturers Declaration of	visit the GS1
	the format year, month, day		Compliance, Transporter	website.
	(YYMMDD).		management records	
Purchase Order	A unique number assigned to	Yes	Delivery Docket/Manifest,	
number	a purchase or order usually		Importer/Exporter	
	requested by a customer and		Agreement, Packing List,	
	is linked to the work order		Purchase Order, Transporter	
	number/production order.		management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or		Import Receipt of	
	produced (e.g., retail items).		purchase/Tax Invoice,	
			Importer/Exporter	
			Agreement, Organic Goods	
			Certificate, Packing List,	
			Purchase Order, Transporter	
			management records	
Receiver/Buyer	This is a unique registration	Yes	Certificate of Analysis Export,	
Business Number	number, used to identify	162	Importer/Exporter	
DUSITIESS NUTIBEI	businesses.			
	טעטווופטטפט.		Agreement, Purchase Order,	
			Transporter management	
Dessitive (D		N.	records	
Receiver/Buyer	These are identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business		Certificate of Analysis Export,	
	receiving or purchasing items		Delivery Docket/Manifest,	
	from another entity and may		Export Health/Government	
	include operator or business	1	Certificate, Import specific	

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Shipping Mark	name, address, telephone number etc.	Yes	dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records Bill of lading/Air Waybill,	Formere
	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	res	Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for	Yes	Importer/Exporter Agreement, Packing List,	

To Establishment number	the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated. A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Transporter management records Import specific dairy product movement forms, Importer/Exporter Agreement, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, SSCC/Pallet label, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Import specific dairy product movement forms, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.2.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Non-Refrigerated Transport system include the movement of:

* Container System Unit (Import)

* Pallet

off the premises, or supply chain sector.

Table 143. Physical outputs and associated Critical Tracking Event related documents for a dairy import refrigerated transport system.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Importer/Exporter Agreement, Importers Declaration, Imported Food Inspection Advice, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records	
Pallet	A logistic unit which includes a number of cartons or goods items packed together for transport or storage purposes.	Delivery Docket/Manifest, Purchase Order, Import specific dairy product movement forms, Import Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transporter management records	

5.2.7.2.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 144. Information outputs, Key Data Elements and Critical Tracking Event related documentation for dairy import refrigerated transport system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include	Yes	Importers Declaration, Transporter management records	

	full name, address, telephone number etc.			
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet	

			label, Transporter	
			management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

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Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Dairy Licence number	State food authorities require all businesses that produce, process, store or transport dairy products to hold a dairy licence for compliance with food safety standards.	Yes	Importer/Exporter Agreement, Transporter management records	
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of

Export Permit	consignment for traceability purposes. A unique permit number is	Yes	Organic Goods Certificate,	Agriculture, Water and the Environment website. For more
Number	allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.		Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers	For more information

	item e.g., carton, pallet or		Declaration of Compliance,	visit the GS1
	shipment recorded in kilograms.		Organic Goods Certificate, Packing List, SSCC/Pallet label, Transporter management records	website.
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	Yes	SSCC/Pallet label, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The	Yes	Import specific dairy product movement forms, SSCC/Pallet label, Transporter management records	For more information visit the GS1 website.

	SSCC remains the same for			
Dreduct elece	the life of the logistic unit.	Vee		
Product class	A product class is a group of	Yes	Bill of lading/Air Waybill,	
	products that are		Certificate of Analysis Export,	
	homogeneous or generally		Delivery Docket/Manifest,	
	considered as substitutes for		Import specific dairy product	
	each other. The class is		movement forms,	
	considered as narrow or		Importer/Exporter	
	broad depending on how		Agreement, Importers	
	substitutable the various		Declaration, Manufacturers	
	products are. For example,		Declaration of Compliance,	
	hard, soft, semi-soft cheese.		Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Product name	This is a unique name that a	Yes	Bill of lading/Air Waybill,	
	business, company or		Certificate of Analysis Export,	
	enterprise chooses to give a		Delivery Docket/Manifest,	
	product created e.g., Organic		Import specific dairy product	
	Salt Reduced Mozzarella 1Kg.		movement forms,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	
Production	This is a unique number which	Yes	Bill of lading/Air Waybill,	
batches/lot numbers	identifies products (e.g.,		Import specific dairy product	
	ingredients, commodities,		movement forms,	
	products, chemicals) sharing		Manufacturers Declaration of	
	certain production		Compliance, Packing List,	
	characteristics and is used for		SSCC/Pallet label, Transporter	
	traceability purposes. Note		management records	
	that multiple batches may be			
	produced by a given unit of			
	product e.g., a milk silo.			
Production Date	This is the date on which	Yes	Import specific dairy product	For more
(YYMMDD)	product was processed or	100	movement forms,	information
	produced and is recorded in		Manufacturers Declaration of	visit the GS1
	the format year, month, day		Compliance, Transporter	website.
	(YYMMDD).		management records	website.
Purchase Order	A unique number assigned to	Yes	Delivery Docket/Manifest,	
number	a purchase or order usually	162	Importer/Exporter	
	requested by a customer and is linked to the work order		Agreement, Packing List,	
			Purchase Order, Transporter	
Questitu	number/production order.	Maria	management records	
Quantity	This amount or volume of	Yes	Delivery Docket/Manifest,	
	products supplied or		Import Receipt of	
	produced (e.g., retail items).		purchase/Tax Invoice,	
			Importer/Exporter	
			Agreement, Organic Goods	

			Certificate, Packing List,	
			Purchase Order, Transporter	
			management records	
Receiver/Buyer	This is a unique registration	Yes	Certificate of Analysis Export,	
Business Number	number, used to identify		Importer/Exporter	
	businesses.		Agreement, Purchase Order,	
			Transporter management records	
Receiver/Buyer	These are identifying details	Yes	Bill of lading/Air Waybill,	
Details	of the persons or business	105	Certificate of Analysis Export,	
	receiving or purchasing items		Delivery Docket/Manifest,	
	from another entity and may		Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone		dairy product movement	
	number etc.		forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Organic Goods	
			Certificate, Packing List, Purchase Order, Transporter	
			management records	
Shipping Mark	Also known as a port mark,	Yes	Bill of lading/Air Waybill,	For more
	this is a code comprising of		Certificate of Analysis Export,	information
	three letters representing the		Export Health/Government	<u>visit the</u>
	foreign establishment number		Certificate, Transporter	Department of
	and the last nine digits of the		management records	Agriculture,
	consignment SSCC.			Water and the
				Environment website.
Supplier/Vendor	This is an 11-digit registration	Yes	Bill of lading/Air Waybill,	For more
Australian Business	number, issued by the		Certificate of Analysis Export,	information
Number (ABN)	Australian Tax Office, used to		Importer/Exporter	visit the ATO
	identify businesses.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Purchase Order, Transporter	
Supplier/Vendor	This is a unique registration	Yes	management records Import Receipt of	
Business Number	number, used to identify	162	purchase/Tax Invoice,	
Business Number	businesses.		Transporter management	
			records	
Supplier/Vendor	These are the identifying	Yes	Bill of lading/Air Waybill,	
Details	details of the persons or		Certificate of Analysis Export,	
	business supplying items to		Delivery Docket/Manifest,	
	another entity and may		Export Health/Government	
	include operator or business		Certificate, Import specific	
	name, address, telephone number etc.		dairy product movement forms, Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Purchase Order,	
			SSCC/Pallet label, Transporter	
			management records	

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Supply Chain	These are the identifying	Yes	Organic Goods Certificate,	
Supplier/Vendor	details of the persons or		Transporter management	
Details	business, previous to the		records	
	current owner, who were			
	operators in relation to the			
	organic goods being supplied			
	to subsequent entities and			
	may include operator or			
	business name, address,			
	telephone number etc.			
Temperature	This is a statement of	Yes	Importer/Exporter	
requirements	instruction specifying the		Agreement, Packing List,	
	temperature requirements for		Transporter management	
	the goods whilst in transport		records	
	including storage at less than -			
	18 degrees Celsius (frozen			
	product); -5 degrees or less			
	(chilled product);			
	unrefrigerated.			
To Establishment	A number issued by Federal	Yes	Import specific dairy product	For more
number	and State Authorities to	162	movement forms,	information
number	identify the receiving site of		Importer/Exporter	visit the
	which milk or milk products		Agreement, Transporter	
	-			Department of
	(intended for export) will		management records	Agriculture,
	be/were distributed to. For			Water and the
	transfer declarations, the			Environment
	Establishment numbers for			website.
	both the dispatching and			
	receiving establishments are			
	recorded.			
To Port Code	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
	discharge, this is the		Organic Goods Certificate,	information
	identification code of any		Packing List, Transporter	<u>visit the</u>
	location used in international		management records	Department of
	trade and transport (e.g.,			<u>Agriculture,</u>
	seaport, airports etc.) from			Water and the
	where goods are discharged			Environment
	or unloaded.			website.
Trade description	Required on the packaging of	Yes	Export Health/Government	
	products intended for export,		Certificate, Organic Goods	
	this is a collective set of words		Certificate, SSCC/Pallet label,	
	that says what the product is.		Transporter management	
	It may include information		records	
	such as net weight of product,			
	name and address of			
	establishments, ingredients,			
	directions for use etc.			
Transport	The registration number of	Yes	Bill of lading/Air Waybill,	
registration number	the vehicle in which the	. 05	Export Health/Government	
- construction number	animals or product were		Certificate, Import specific	
	transported. For shipments of		dairy product movement	
	product this will be a shipping		forms, Organic Goods	
	container number.			
			Certificate, Packing List,	

			Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.2.5 Regulatory and Industry Programs

- * Importing Country Government System
- * Importing Country Food Authority
- * Other data sources

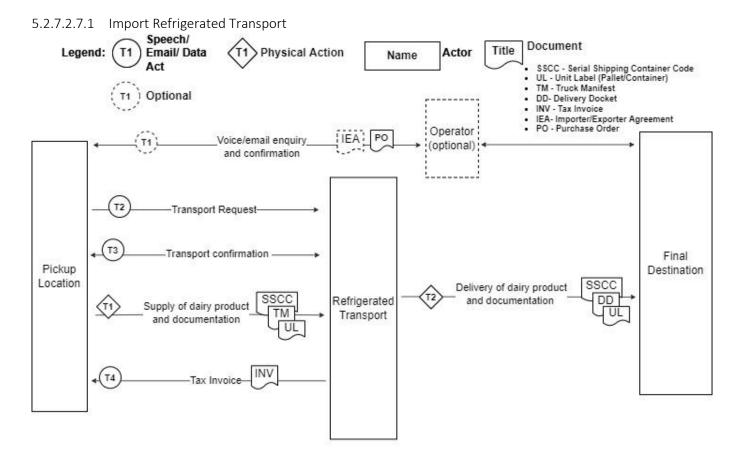
5.2.7.2.6 Supply Chain Node Traceability

Final palletised dairy product undergoing transport will include packaged cartons, loaded on pallets identified with one or multiple Batches/Lot Numbers identified on the GS1 SSCC/Pallet label. Each pallet unit will have a list of the Batches/Lot Numbers that it contains and therefore may, depending on the ingredient, allow traceability to the farm source of each, and every ingredient included in the Lot. However, for milk derived ingredients, this will only allow the traceability of product back to the list of Farm Identification Numbers that were transferred into the receiving milk silo and subsequently used in a production batch. Thus, this may include few to many farms and does not allow the traceability back to individual farms, let alone animals.

For example, 100 pallets which each hold 36 boxes containing 10 x 1L cartons of Full Cream Milk are ready to be transported into the domestic market. These 100 pallets all contain product with the same Batches/Lot Numbers. In the event of a recall, this product could be traced back to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Therefore, with 2 silos being used in the production of the 100 pallets of Full Cream Milk, the raw milk ingredient within any one carton may have come from any of 24 farms. Due to the bulk collection of milk at any Dairy Production System, it is not possible to further trace product back to an individual live animal.

5.2.7.2.7 Data flow diagrams

Direction	Description
Intermediate	Import Refrigerated Transport



Refrigerated Transport

Figure 97. Data or information flows from the Refrigerated Transport system in the dairy supply chain.

5.2.7.3 Import bulk transport

Bulk transport involves the movement (including loading and unloading) of large dairy product consignments from one premises to another. Bulk products may include milk, concentrates, or milk powders etc. with the term 'bulk' clarifying that the package is not intended for direct sale to the consumer and requires further processing. All bulk transport movements must be accompanied by Critical Tracking Event related documents as required by the importing country.

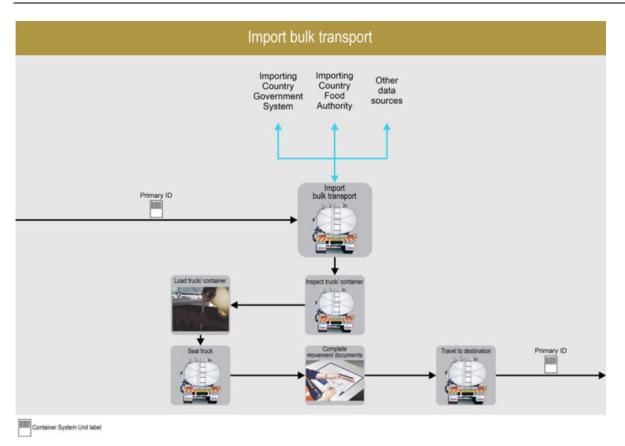


Figure 98. Inputs and outputs of the dairy supply chain import bulk transport sector.

5.2.7.3.1 Physical Inputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with inputs to the Import Bulk Transport system include the receival of: * Container System Unit (Import).

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Imported Food Inspection Advice, Importer/Exporter Agreement, Importers Declaration, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records	

Table 146. Physical inputs and associated Critical Tracking Event related documents for a dairy import bulk transport system.

5.2.7.3.2 Information Inputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 147. Information inputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import bulk transport
system.

Attributes (including KDEs)	Description of the Attributes (including KDEs)	ls a KDE	Critical Tracking Event (CTE) related documents (including electronic)	More details
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	

				· - · · · · · · · · · · · · · · · · · ·
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Company/product code	This is an in-house code for the identification of the product in the unit.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Yes	Importers Declaration, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	

Contract end date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two		Agreement, Transporter	
	parties ends.		management records	
Contract number	This is a unique number	Yes	Delivery Docket/Manifest,	
	allocated to the contract by		Importer/Exporter	
	the contract administrator.		Agreement, Transporter	
			management records	
Contract start date	This is the date on which an	Yes	Importer/Exporter	
	agreement between two		Agreement, Transporter	
	parties begins.		management records	
Count of Trade Items	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
	barcode, this is the number of		Imported Food Inspection	information
	trade items e.g., cartons in		Advice, Importer/Exporter	visit the GS1
	the logistic unit.		Agreement, Manufacturers	website.
			Declaration of Compliance,	
			Organic Goods Certificate,	
			Packing List, Transporter	
			management records	
Country of origin	This includes where the	Yes	Bill of lading/Air Waybill,	For more
	product was manufactured		Transporter management	information
	and the origin of components		records	<u>visit the</u>
	if required by the import			Department of
	conditions.			Agriculture,
				Water and the
				Environment
				website.
Dairy Licence	State food authorities require	Yes	Importer/Exporter	
number	all businesses that produce,		Agreement, Transporter	
	process, store or transport		management records	
	dairy products to hold a dairy			
	licence for compliance with			
	food safety standards.			
Dairy product	A unique certificate number	Yes	Import specific dairy product	
movement form	issued for traceability		movement forms, Transporter	
number	purposes.		management records	
Date	This is the date of signing or	Yes	Bill of lading/Air Waybill,	
	of which a record entry or		Certificate of Analysis Export,	
	transaction was made.		Delivery Docket/Manifest,	
			Export Health/Government	
			Certificate, Import Receipt of	
			purchase/Tax Invoice, Import	
			specific dairy product	
			movement forms,	
			Importer/Exporter	
			Agreement, Importers	
			Declaration, Manufacturers	
			Declaration of Compliance,	
			Packing List, Purchase Order,	
			Transporter management	
Declaration	This is a statement mode by	Vac	records Manufacturers Declaration of	Formara
Declaration	This is a statement made by	Yes		For more
statement	the dispatching establishment		Compliance, Transporter	information
	or manufacturer of goods		management records	<u>visit the</u>

[]	a a finne in a that the			Demonstration
	confirming that the nformation on the document			Department of
				Agriculture,
	s true and complete; that the			Water and the
	ood was manufactured and			Environment
-	processed in accordance with			<u>website.</u>
	he Export Control (Milk and			
Ν	Vilk Products) Rules 2021 and			
t	he applicable approved			
a	arrangements; the goods are			
C	compliant with importing			
c	country requirements.			
	This is a unique number	Yes	Delivery Docket/Manifest,	
-	allocated to the docket for		Transporter management	
,	dentification purposes.		records	
	A unique number allocated to	Yes	Export Health/Government	Formoro
		res		For more
-	he Health/Government		Certificate, Organic Goods	information
	Certificate export		Certificate, Transporter	visit the
	consignment for traceability		management records	Department of
p	ourposes.			<u>Agriculture,</u>
				Water and the
				Environment
				website.
Export Permit A	A unique permit number is	Yes	Organic Goods Certificate,	For more
Number a	allocated for the export		Transporter management	information
	consignment following		records	visit the
	submission of a correct and			Department of
	alidated Request For Export			Agriculture,
	RFE) which is then approved			Water and the
-	by the Secretary.			Environment
	by the Secretary.			website.
Food Control T		Yes	Increased French Increases	
	This is a number assigned to	res	Imported Food Inspection	For more
-	he entry of a shipment of		Advice, Transporter	information
_	goods imported by the same		management records	<u>visit the</u>
	owner at the same time which			Department of
	can be described by one			<u>Agriculture,</u>
ii	mport entry.			Water and the
				Environment
				website.
From Establishment A	A number issued by Federal	Yes	Certificate of Analysis Export,	For more
number a	and State Authorities to		Export Health/Government	information
i	dentify the originating site		Certificate, Import specific	visit the
	rom which milk or milk		dairy product movement	Department of
	products (intended for export)		forms, Importer/Exporter	Agriculture,
-	were distributed. For transfer		Agreement, Manufacturers	Water and the
	declarations, the		Declaration of Compliance,	Environment
	Establishment numbers for		Transporter management	website.
			records	WEDSILE.
	both the dispatching and		recorus	
	receiving establishments are			
	recorded.			
From Port Code A	Also known as the port of	Yes	Bill of lading/Air Waybill,	For more
From Port Code A	oading, this is the	Yes	Organic Goods Certificate,	information
From Port Code A	-	Yes		

	trade and transport (e.g., seaport, airports etc.) from which goods are sent.			Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	For more information visit the GS1 website.
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Yes	Importers Declaration, Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	

ICO and -	A and all and all a set of the the	V	Containon Containa 11 - 11 - 11 - 1]
ISO code	A code allocated to the container system unit by the	Yes	Container System Unit label, Transporter management	
	International Container		records	
	Bureau that describes length,			
	height and type of container and its characteristics.			
Movement date	The date on which livestock or	Yes	Bill of lading/Air Waybill,	
	other products (e.g., feed, raw		Certificate of Analysis Export,	
	milk or milk products) were		Export Health/Government	
	transported between		Certificate, Import specific	
	locations.		dairy product movement	
			forms, Importer/Exporter	
			Agreement, Organic Goods Certificate, Packing List,	
			Transporter management	
			records	
Net Weight	Usually encoded in the GS1	Yes	Bill of lading/Air Waybill,	For more
(Kilograms)	barcode, the Net Weight is a		Export Health/Government	information
	variable measure of the trade		Certificate, Manufacturers	visit the GS1
	item e.g., carton, pallet or shipment recorded in		Declaration of Compliance, Organic Goods Certificate,	<u>website.</u>
	kilograms.		Packing List, Transporter	
			management records	
Official Seal Serial	This is a unique serial number	Yes	Bill of lading/Air Waybill,	For more
Number	printed on any tamper-		Export Health/Government	information
	evident seal issued by the		Certificate, Official Seal,	<u>visit the</u>
	Department.		Organic Goods Certificate,	Department of
			Packing List, Transporter management records	<u>Agriculture,</u> Water and the
			management records	Environment
				website.
Order date	This is the date on which the	Yes	Delivery Docket/Manifest,	
	purchase order or contract		Transporter management	
	was raised by the buyer.	Maria	records	5
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate	Yes	Organic Goods Certificate, Transporter management	For more information
	for traceability purposes.		records	visit the
	for traceasing purposes.			Department of
				Agriculture,
				Water and the
				Environment
Dealyaging Data		V-	Contificate of Another's Free t	website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date	Yes	Certificate of Analysis Export, Transporter management	For more information
	on which the item was		records	visit the GS1
	packaged and is recorded in			website.
	the format year, month, day			
	(YYMMDD).			
Pallet Serial Shipping	Encoded in the GS1 barcode,	Yes	Import specific dairy product	For more
Container Code	this is a unique number which identifies the individual		movement forms, Transporter	information
(SSCC)	logistic unit i.e., pallet that is		management records	visit the GS1 website.
	assigned by the establishment			website.
	assigned by the establishment			

Product class	constructing the unit. The SSCC remains the same for the life of the logistic unit. A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers	
	products are. For example, hard, soft, semi-soft cheese.		Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Packing List, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter	

Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transporter management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order,	

			Transporter management	
			records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Import specific dairy product movement forms, Importer/Exporter Agreement, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Import specific dairy product movement	

	product this will be a shipping container number.		forms, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.3.3 Physical Outputs including Critical Tracking Events (CTEs)

Critical Tracking Events (CTEs) are defined as those events which include the growing, receiving, transforming, creating, and shipping of food products. Such events are critical to the traceability of product throughout the supply chain.

The CTEs associated with the outputs of the Import Bulk Transport system include the movement of:

* Container System Unit (Import) off the premises, or supply chain sector.

Event related to the inputs	Description of the inputs	Critical Tracking Event (CTE) related documents (including electronic)	More details
Container System Unit (Import)	A container designed for use as a unit of cargo handling equipment in the transport of goods by aircraft or ship.	Bill of lading/Air Waybill, Certificate of Analysis Export, Container System Unit label, Delivery Docket/Manifest, Export Health/Government Certificate, Import Permit, Imported Food Inspection Advice, Importer/Exporter Agreement, Importers Declaration, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Official Seal, Organic Goods Certificate, Packing List, Purchase Order, Import Receipt of purchase/Tax Invoice, Transporter management records	

Table 148. Physical outputs and associated Critical Tracking Event related documents for a dairy import bulk transport system.

5.2.7.3.4 Information Outputs including Key Data Elements (KDEs)

Key Data Elements (KDEs) are defined as those elements which are key in identifying and tracing the Critical Tracking Event (CTE).

Table 149. Information outputs, Key Data Elements and Critical Tracking Event related documentation for a dairy import bulk transport system.

Attributes (including KDEs)	-	related documents (including	More details
		electronic)	

Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Authorised Signee Details	These are the identifying details of the persons authorised to sign a document and may include full name, address, telephone number etc.	Yes	Importers Declaration, Transporter management records	
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the Food Standards Australia and New Zealand website.
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets and shipping containers for which an analysis sample represents.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Transporter management records	
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Yes	Certificate of Analysis Export, Imported Food Inspection Advice, Organic Goods Certificate, Transporter management records	
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Company/product	This is an in-house code for	Yes	Bill of lading/Air Waybill,	
code	This is a statement made by	Yes	Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records Importers Declaration,	<u>For more</u>
statement	the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.		Transporter management records	information visit the Department of Agriculture, Water and the Environment website.
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Imported Food Inspection Advice, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the GS1 website.
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Yes	Container System Unit label, Organic Goods Certificate, Packing List, Transporter management records	
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight and cubic capacity (cubic feet).	Yes	Bill of lading/Air Waybill, Container System Unit label, Packing List, Transporter management records	
Contract end date	This is the date on which an agreement between two parties ends.	Yes	Importer/Exporter Agreement, Transporter management records	
Contract number	This is a unique number allocated to the contract by the contract administrator.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Transporter management records	
Contract start date	This is the date on which an agreement between two parties begins.	Yes	Importer/Exporter Agreement, Transporter management records	

Count of Trade Items Country of origin	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit. This includes where the product was manufactured and the origin of components if required by the import conditions.	Yes	Bill of lading/Air Waybill, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transporter management records Bill of lading/Air Waybill, Transporter management records	For more information visit the GS1 website. For more information visit the Department of Agriculture,
Dairy Licence number	State food authorities require all businesses that produce,	Yes	Importer/Exporter Agreement, Transporter	Water and the Environment website.
ושמושבו	dairy products to hold a dairy licence for compliance with food safety standards.		management records	
Dairy product movement form number	A unique certificate number issued for traceability purposes.	Yes	Import specific dairy product movement forms, Transporter management records	
Date	This is the date of signing or of which a record entry or transaction was made.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import Receipt of purchase/Tax Invoice, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Transporter management records	
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Yes	Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.

Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Yes	Delivery Docket/Manifest, Transporter management records	
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Food Control Certificate entry number	This is a number assigned to the entry of a shipment of goods imported by the same owner at the same time which can be described by one import entry.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Yes	Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers	For more information visit the GS1 website.

Gross Weight (Kilograms) ICS Importer Code	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit. This is the Integrated Cargo	Yes	Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records Importers Declaration,	
	System (ICS) unique code issued to the importer of the consignment.		Transporter management records	
ICS Producer Code	This is the Integrated Cargo System (ICS) unique code issued to the producer of the consignment.	Yes	Importers Declaration, Transporter management records	
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Yes	Export Health/Government Certificate, Import Permit, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Yes	Imported Food Inspection Advice, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Yes	Import Receipt of purchase/Tax Invoice, Packing List, Transporter management records	
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Yes	Container System Unit label, Transporter management records	
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Organic Goods	

			Certificate, Packing List, Transporter management records	
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transporter management records	
Official Seal Serial Number	This is a unique serial number printed on any tamper- evident seal issued by the Department.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Yes	Delivery Docket/Manifest, Transporter management records	
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Yes	Organic Goods Certificate, Transporter management records	For more information visit the Department of Agriculture, Water and the Environment website.
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Yes	Certificate of Analysis Export, Transporter management records	For more information visit the GS1 website.
Pallet Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., pallet that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Yes	Import specific dairy product movement forms, Transporter management records	For more information visit the GS1 website.
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate,	

			Packing List, Purchase Order, Transporter management records	
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Yes	Bill of lading/Air Waybill, Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Packing List, Transporter management records	
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Yes	Import specific dairy product movement forms, Manufacturers Declaration of Compliance, Transporter management records	For more information visit the GS1 website.
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Yes	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order, Transporter management records	
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Yes	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Yes	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transporter management records	
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Transporter management records	For more information visit the Department of Agriculture,

	and the last nine digits of the consignment SSCC.			Water and the Environment website.
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order, Transporter management records	For more information visit the ATO website.
Supplier/Vendor Business Number	This is a unique registration number, used to identify businesses.	Yes	Import Receipt of purchase/Tax Invoice, Transporter management records	
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Yes	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Import specific dairy product movement forms, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transporter management records	
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Yes	Organic Goods Certificate, Transporter management records	
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than - 18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Yes	Importer/Exporter Agreement, Packing List, Transporter management records	
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For	Yes	Import specific dairy product movement forms, Importer/Exporter Agreement, Transporter management records	For more information visit the Department of Agriculture, Water and the

To Port Code	transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded. Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Yes	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List, Transporter management records	Environment website.
Trade description	Required on the packaging of products intended for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Yes	Export Health/Government Certificate, Organic Goods Certificate, Transporter management records	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Yes	Bill of lading/Air Waybill, Export Health/Government Certificate, Import specific dairy product movement forms, Organic Goods Certificate, Packing List, Transporter management records	
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Yes	Bill of lading/Air Waybill, Delivery Docket/Manifest, Import specific dairy product movement forms, Transporter management records	
Unit of measure	The unit of measure relating to a specific quantity.	Yes	Importer/Exporter Agreement, Purchase Order, Transporter management records	

5.2.7.3.5 Regulatory and Industry Programs

- * Importing Country Government System
- * Importing Country Food Authority
- * Other data sources

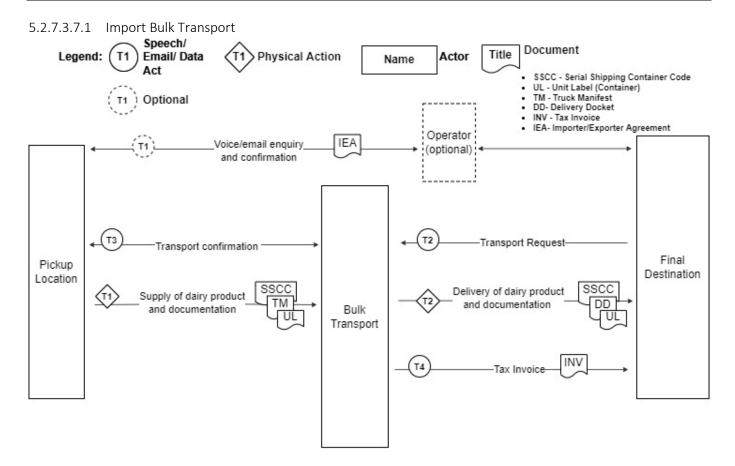
5.2.7.3.6 Supply Chain Node Traceability

Like smaller transport loads (refrigerated/non-refrigerated transport), the traceability of bulk dairy products is only possible back to several source properties, and not to the individual live animal. This is because dairy processing draws bulk raw milk from a series of storage silos for production run, with each silo holding many tanker loads of bulk raw milk collected from one to many different Dairy Production Systems and at different milking times. Bulk dairy transport involving the movement of Container System Units which store product inside large tins, cases, cartons, and bags of dairy product, can be traced as per non-bulk product through CTE documentation which lists the Batches/Lot Numbers and Global Trade Item Numbers (GTINs) of all products within the load.

For example, a bulk transport truck may carry one container with 600 cartons of dairy product from a single processing facility. 200 cartons within the load were produced from a combination of domestic and imported dairy ingredients. To trace this product back to the properties of origin, the Batches/Lot Numbers would be identified from the CTE documentation. Traceability of the domestic component of the milk derived ingredients of the product may be able to be linked to 2 x 150, 000L milk silos which were fed into the initial stages of processing as part of this was used in the end-product production run. If each milk silo holds approximately 6 tanker loads of milk and each tanker holds 2 farms worth of milk in a run, then each silo would store approximately 12 farms worth of milk at any given time. Thus, the domestic portion of the product could be traced to 12 farms. Similarly, the imported dairy ingredients could be traced back to 5 x 150, 000L milk silos and therefore linked to 60 original farms. Thus, the bulk product could have come from any of 72 farms.

5.2.7.3.7 Data flow diagrams

Direction	Description
Intermediate	Import Bulk Transport



Bulk Transport

Figure 99. Data or information flows from the Bulk Transport system in the dairy supply chain.

5.3 Critical Tracking Event Documentation

5.3.1 Fresh Milk Movement

Critical Tracking Event for the movement of fresh milk from the dairy production system to the processor.

Forms/ data groups	Description	Authority
Certificate of Analysis	A certificate of analysis is a document which confirms that product	Importing
(COA)	has undergone microbiological testing as per standards or importing country requirements in a National Association of Testing Authorities, Australia (NATA) accredited laboratory.	Government
Milk Collection Run Sheet	This is a document kept by the milk transporter which details the milk Proce run pick-up schedule.	
Milk Delivery Receipt	A formal document which accompanies the delivery of goods and describes what product is being delivered and the quantity of the product in the delivery.	Australian Government
Milk Sample Label	A document attached to milk samples which identifies them for analysis.	Australian Government
Milk Supply	A contract between the dairy production system i.e., farm, and	Australian
Agreement	processor which specifies the terms of trade.	Government

Elements	Description	Used with
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Certificate of Analysis (COA)
Bulk milk tank/vat	Where more than one bulk milk tank/vat exists at the point	Milk Collection Run
number	of collection, each vat is allocated an identification number	Sheet, Milk Delivery
	and milk records made against this.	Receipt
Certificate of Analysis	A unique certificate number issued for traceability purposes.	Certificate of Analysis
number		(COA)
Contract end date	This is the date on which an agreement between two parties	Milk Supply
	ends.	Agreement
Contract start date	This is the date on which an agreement between two parties	Milk Supply
	begins.	Agreement
Dairy Licence number	State food authorities require all businesses that produce,	Milk Supply
	process, store, or transport dairy products to hold a dairy	Agreement
	licence for compliance with food safety standards.	
Date	This is the date of signing or of which a record entry or transaction was made.	Certificate of Analysis (COA), Milk Collection Run Sheet, Milk Delivery Receipt, Milk Supply Agreement
Delivery	This is a unique number allocated to the docket for	Milk Collection Run
Docket/Manifest	identification purposes.	Sheet, Milk Delivery
number		Receipt
Farm Identification	This is the identifying code of the property/farm or supplier	Certificate of Analysis
number	of milk issued by the processor under an initial Milk Supply	(COA), Milk Collection
	Agreement and is used throughout the dairy supply process	Run Sheet, Milk
	(closely linked with the Milk Supply Agreement contract	Delivery Receipt, Milk
	number) for the identification and traceability of various	Sample Label, Milk
	outputs including milk samples. The Farm Identification	Supply Agreement
	number is usually identified by the milk tankers GPS	
	coordinates on arrival at the collection site.	
Global Trade Item	Encoded on the ITF-14 or GS1, the GTIN is a globally unique	Certificate of Analysis
Number (GTIN)	14-digit number used to identify specific trade items,	(COA), Milk Collection
	products, or services and is linked to the product name.	Run Sheet, Milk
Natil		Delivery Receipt
Milk sample barcode	Each milk sample is labelled with a unique barcode including	Certificate of Analysis
number	a combination of the suppliers unique Farm Identification	(COA), Milk Sample
	number (closely linked to the Milk Supply Agreement	Label
	contract number) and the milk sample number.	Mills Callestian Dur
Milk sample number	Each milk sample is labelled with a unique sample number	Milk Collection Run
	for identification purposes which is incorporated into the	Sheet, Milk Delivery
	Mill comple bereade along with the complicate minute Ferrer	
	Milk sample barcode along with the suppliers unique Farm	Receipt, Milk Sample
	ID number or Milk Supply Agreement contract number. Two	Label
	ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at	
	ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the	
	ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples	
	ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory	
	ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples	

Table 152. KDE - Key Data Elements for Fresh Milk Movement.

Milk Supply	This is a unique number allocated to the Milk Supply	Certificate of Analysis
Agreement contract	Agreement contract by the contract administrator or	(COA), Milk Collection
number	processor. Once an initial contract is administrator of	Run Sheet, Milk
number	supplier or farm is issued a farm identification number and	Delivery Receipt, Milk
	both the Milk Supply Agreement contract number and Farm	Sample Label, Milk
	Identification number are used for raw milk traceability	Supply Agreement
	purposes.	Supply Agreement
Movement date	The date on which livestock or other products (e.g., feed,	Milk Collection Run
	raw milk, or milk products) were transported between	Sheet, Milk Delivery
	locations.	Receipt
Product class	A product class is a group of products that are homogeneous	Certificate of Analysis
	or generally considered as substitutes for each other. The	(COA), Milk Collection
	class is considered as narrow or broad depending on how	Run Sheet, Milk
	substitutable the various products are. For example, hard,	Delivery Receipt
	soft, semi-soft cheese.	
Product name	This is a unique name that a business, company or	Certificate of Analysis
	enterprise chooses to give a product created e.g., Organic	(COA), Milk Collection
	Salt Reduced Mozzarella 1Kg.	Run Sheet, Milk
		Delivery Receipt
Production time	This is the time at which raw products were	Milk Delivery Receipt
	collected/harvested or products manufactured/produced at	
0	a specific location (Farm ID or establishment).	
Quality	The milk quality standards and parameters agreed to by the	Certificate of Analysis
	supplier and receiver of milk, as well as those which meet	(COA), Milk Supply
	the FSANZ Food Standards Code. These usually include	Agreement
	parameters for temperature, fat, protein, and bacterial cell	
	counts. This information is determined using testing	
	procedures such as Bulk Milk Cell Count (BMCC) or Somatic	
	Cell Count (SCC), Standard Plate Count (SPC), Preliminary	
	Incubation Counts (PIC), Lab Pasteurised Counts (LPC) and	
Dessiver/Duver	coliform counts.	Cartificate of Analysis
Receiver/Buyer Australian Business	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Certificate of Analysis (COA), Milk Supply
Number (ABN)	Australian Tax Office, used to identify busilesses.	Agreement
Receiver/Buyer	These are identifying details of the persons or business	Certificate of Analysis
Details	receiving or purchasing items from another entity and may	(COA), Milk Collection
Details	include operator or business name, address, telephone	Run Sheet, Milk
	number etc.	Delivery Receipt, Milk
		Sample Label, Milk
		Supply Agreement
Sample number	This is the number identifying the unique sample taken from	Certificate of Analysis
	a lot. For milk samples, each milk sample is labelled with a	(COA)
	unique sample number for identification purposes which is	
	incorporated into the Milk sample barcode along with the	
	suppliers unique Farm ID number or Milk Supply Agreement	
	contract number. Two types of milk samples are taken by	
	the tanker operator at milk collection and differentiated by	
	the colour of the sample cap. These include a composite	
	sample; samples from each of the milk vats to identify any	
	inhibitory substances, cleaning and cooling issues, and a	
	compositional sample; to determine the Somatic Cell Count	
	(SCC), protein, and butter fat content for quality and	
	composition purposes. For packaged product, this will be a	1

	test lot identifier, a unique identifier that is allocated to all	
	cartons, pallets, and shipping containers for which an	
	analysis sample represents.	
Temperature/Time	This is the temperature of milk or milk products at various	Milk Collection Run
	stages along the supply chain such as milking, and collection	Sheet, Milk Delivery
	for transport and is always recorded with the time at which	Receipt
	the measurement was taken.	
Supplier/Vendor	This is an 11-digit registration number, issued by the	Certificate of Analysis
Australian Business	Australian Tax Office, used to identify businesses.	(COA), Milk Supply
Number (ABN)		Agreement
Supplier/Vendor	These are the identifying details of the persons or business	Certificate of Analysis
Details	supplying items to another entity and may include operator	(COA), Milk Collection
	or business name, address, telephone number etc.	Run Sheet, Milk
		Delivery Receipt, Milk
		Sample Label, Milk
		Supply Agreement
Transport registration	The registration number of the vehicle in which the animals	Milk Collection Run
number	or product were transported. For shipments of product this	Sheet, Milk Delivery
	will be a shipping container number.	Receipt
Transport trailer	This is the unique number allocated to the transport vehicle	Milk Collection Run
number	or trailer for identification purposes.	Sheet
Transporter Details	These are the identifying details of the persons or business	Milk Collection Run
	transporting items to another entity and may include	Sheet, Milk Delivery
	operator or business name, address, telephone number etc.	Receipt
Volume	This is the amount of raw milk in litres required by the buyer	Milk Collection Run
	or supplied by a vendor. Volumetric measuring of total	Sheet, Milk Delivery
	butterfat, total protein and total milk solids is undertaken to	Receipt, Milk Supply
	determine whether the volume of milk supplied is over or	Agreement
	under that required by the Milk Supply Agreement.	

5.3.2 Livestock Movement

Critical Tracking Event for the movement of a consignment of livestock from one property to another property, including saleyards, feedlots, processors or to export.

Table 153. CTE - Critical Tracking Event forms/data groups for Livestock Movement.

Forms/ data groups	Description	Authority
Bobby calf feeding	This is a written record of bobby calf feeding a pickup times for	
schedule	transport to ensure that health and welfare standards are met and Ai maintained.	
National Vendor	Declaration form completed by the authorised person outlining the	LPA (ISC)
Declaration - Bobby	source (from) and destination(to) details, consignment description	
Calves (NVD)	and market access related statements. The NVD also requires	
	transport details to be completed by the transport provider.	
National Vendor	Declaration form completed by the authorised person outlining the LPA (I	
Declaration - Cattle	source (from) and destination(to) details, consignment description	
(NVD)	and market access related statements. The NVD also requires	
	transport details to be completed by the transport provider.	
NLIS Movement Update	Each time animals are moved onto or off a Property Identification NLIS (I	
	Code (PIC) an NLIS movement update must be made. This details the	

	NLIS ID number, source (from) and destination (to) PICs, and movement date.	
Receipt of purchase/Tax Invoice	Issued by the supplier of goods, a Receipt of purchase is a document which shows proof of purchase while a Tax Invoice is a document showing the price of purchase as well as other information such as GST. A Recipient Generated Tax Invoice is a document issued by the recipient of the goods on behalf of the supplier.	ΑΤΟ
State specific movement forms	Individual states may have differing documentation requirements for the movement of livestock. They may also require additional testing or certification. Before moving livestock visit the relevant state or territory website to ensure you have completed all the required documentation and checks.	State

Table 154. KDE - Key Data Elements for Livestock Movement.

Elements	Description	Used with
APVMA approval number	This is a unique number allocated to each label by the APVMA.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Company/product code	This is an in-house code for the identification of the product in the unit.	Receipt of purchase/Tax Invoice
Dairy Licence number	State food authorities require all businesses that produce, process, store, or transport dairy products to hold a dairy licence for compliance with food safety standards.	National Vendor Declaration - Bobby Calves (NVD)
Date	This is the date of signing or of which a record entry or transaction was made.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice State specific movement forms
Export Slaughter Interval (ESI)	The time that must pass between chemical application to livestock and their slaughter for export.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Feeding end date	The date on which grazing or feeding of a product ceased and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	Bobby calf feeding schedule, National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Feeding start date	The date on which grazing or feeding of a product first commenced and is usually recorded in relation to a treatment or product that was applied to a unit e.g., paddock, animal, fodder etc.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
From PIC	The Property Identification Code from/to where the livestock were, or products consigned.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms

Invoice number	This is a unique number allocated to the invoice by	Receipt of purchase/Tax
	the supplier or receiver of purchased items/products for payment tracking purposes.	Invoice
Milk supplement details	These are the details of the raw milk or milk replacement product fed to the bobby calves such as the retail product label information or milk collection date. This information is required to be known for completing the National Vendor Declaration and ensuring that bobby calves that have received milk containing antibiotics are not sold for slaughter within the withholding period.	Bobby calf feeding schedule
Movement date	The date on which livestock or other products (e.g., feed, raw milk, or milk products) were transported between locations.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms
Movement time	This is the time at which cattle were moved from the property (PIC) of origin. Direct consignments travelling to processors by road must be slaughtered with 48 hours of dispatch. Bobby calves should be slaughtered as priority or fed within 30 hours since last feed (whichever comes first).	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
NLIS Tag Number/RFID	All animals transported between PICs must have a permanent National Livestock Identification System tag attached. This tag has a unique animal identification number.	NLIS Movement Update
NVD Serial Number	Each NVD form has a unique serial number.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), Receipt of purchase/Tax Invoice
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Receipt of purchase/Tax Invoice
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may	National Vendor Declaration - Bobby Calves (NVD), National

	include operator or business name, address, telephone number etc.	Vendor Declaration - Cattle (NVD)
Time of feeding	This is the time at which bobby calves were last fed milk or milk replacer and, combined with feeding end date, is important for ensuring the welfare of the animals during the transportation to slaughter process. All calves must be fed within 6 hours of transport and not be longer than 30 hours off feed.	Bobby calf feeding schedule
To PIC	The Property Identification Code from/to where the livestock or products were consigned.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), NLIS Movement Update, State specific movement forms
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD), State specific movement forms
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Treatment date	The date on which a treatment or product was applied to a unit e.g., paddock, animal, fodder etc.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)
Withholding Period (WHP)	The time that must pass between chemical application (through the feeding of a treated feed for livestock) and the slaughter, collection or harvesting of an animal or commodity for human consumption.	National Vendor Declaration - Bobby Calves (NVD), National Vendor Declaration - Cattle (NVD)

5.3.3 Dairy Product Movement

Critical Tracking Event for the movement of dairy products from one trading partner to another.

Forms/ data groups	Description	Authority
Certificate of Analysis	A certificate of analysis is a document which confirms that product	Importing
(COA)	has undergone microbiological testing as per standards or importing	Government
	country requirements in a National Association of Testing Authorities,	
	Australia (NATA) accredited laboratory.	
Container System	A series of labels or stamps included on Container System Units which	Australian
Unit label	identify the container for traceability purposes and also other	Government
	important information such as weight, hazard warnings, size and	
	owner etc.	
Delivery	A formal document which accompanies the delivery of goods and	Australian
Docket/Manifest	describes what product is being delivered and the quantity of the	Government
	product in the delivery.	
Purchase Order	A contract between the buyer and a seller which specifies	Australian
	information relating to the goods, delivery and terms and conditions	Government
	of purchase.	

Receipt of purchase/Tax Invoice	Issued by the supplier of goods, a Receipt of purchase is a document which shows proof of purchase while a Tax Invoice is a document showing the price of purchase as well as other information such as GST. A Recipient Generated Tax Invoice is a document issued by the recipient of the goods on behalf of the supplier.	АТО
SSCC/Pallet label	A market compliant trade label which includes GS1 barcode information for the trade of product within the domestic and export supply chains.	Australian Government
Transfer Declaration	A declaration statement made by the dispatching establishment regarding the export eligibility of the goods being moved.	Australian Government

Table 156. KDE - Key Data Elements for Dairy Product Movement.

Elements	Description	Used with
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Certificate of Analysis (COA)
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk or milk products) will arrive at the receiving location/establishment.	Transfer Declaration
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	SSCC/Pallet label
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Certificate of Analysis (COA)
Company/product code	This is an in-house code for the identification of the product in the unit.	Purchase Order, Receipt of purchase/Tax Invoice, SSCC/Pallet label, Transfer Declaration
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	SSCC/Pallet label
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Container System Unit label
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight, and cubic capacity (cubic feet).	Container System Unit label
Contract number	This is a unique number allocated to the contract by the contract administrator.	Delivery Docket/Manifest
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	SSCC/Pallet label, Transfer Declaration
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	SSCC/Pallet label

Date	This is the date of signing or of which a record entry or transaction was made.	Certificate of Analysis (COA), Delivery Docket/Manifest, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Transfer Declaration
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Delivery Docket/Manifest
From Establishment number	A number issued by Federal and State Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	SSCC/Pallet label, Transfer Declaration
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Certificate of Analysis (COA), Delivery Docket/Manifest, Purchase Order, SSCC/Pallet label, Transfer Declaration
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Receipt of purchase/Tax Invoice
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Container System Unit label
Movement date	The date on which livestock or other products (e.g., feed, raw milk, or milk products) were transported between locations.	Transfer Declaration
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	SSCC/Pallet label, Transfer Declaration
Official mark	Official marks are market labels, tags or other seals applied to products exported from Australia. Each type of label has specific mark dimensions. There are strict conditions set out to comply with export requirements. Official marks indicate compliance with the Export Control (Milk and Milk Products Act). An official mark signifies that the product has been inspected by and approved as safe for human consumption by an Authorised Officer.	SSCC/Pallet label
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Delivery Docket/Manifest

Packaging Date	Encoded in the GS1 barcode, the Packaging Date is the	SSCC/Pallet label
(YYMMDD)	date on which the item was packaged and is recorded in	
	the format year, month, day (YYMMDD).	
Pallet Serial Shipping	Encoded in the GS1 barcode, this is a unique number	SSCC/Pallet label
Container Code	which identifies the individual logistic unit i.e., pallet	
(SSCC)	that is assigned by the establishment constructing the	
	unit. The SSCC remains the same for the life of the	
	logistic unit.	
Product class	A product class is a group of products that are	Certificate of Analysis
	homogeneous or generally considered as substitutes for	(COA), Delivery
	each other. The class is considered as narrow or broad	Docket/Manifest, Purchase
	depending on how substitutable the various products	Order, SSCC/Pallet label,
	are. For example, hard, soft, semi-soft cheese.	Transfer Declaration
Product name	This is a unique name that a business, company or	Certificate of Analysis
	enterprise chooses to give a product created e.g.,	(COA), Delivery
	Organic Salt Reduced Mozzarella 1Kg.	Docket/Manifest, Purchase
		Order, SSCC/Pallet label,
	<u> </u>	Transfer Declaration
Production	This is a unique number which identifies products (e.g.,	SSCC/Pallet label, Transfer
batches/lot numbers	ingredients, commodities, products, chemicals) sharing	Declaration
	certain production characteristics and is used for	
	traceability purposes. Note that multiple batches may	
	be produced by a given unit of product e.g., a milk silo.	The offer Dealers for
Production Date	This is the date on which product was processed or	Transfer Declaration
(YYMMDD)	produced and is recorded in the format year, month,	
Purchase Order	day (YYMMDD).	Delivery Decket/Manifest
number	A unique number assigned to a purchase or order	Delivery Docket/Manifest, Purchase Order
number	usually requested by a customer and is linked to the work order number/production order.	Purchase Order
Quality	The milk quality standards and parameters agreed to by	Certificate of Analysis (COA)
Quanty	the supplier and receiver of milk, as well as those which	Certificate of Analysis (COA)
	meet the FSANZ Food Standards Code. These usually	
	include parameters for temperature, fat, protein, and	
	bacterial cell counts. This information is determined	
	using testing procedures such as Bulk Milk Cell Count	
	(BMCC) or Somatic Cell Count (SCC), Standard Plate	
	Count (SPC), Preliminary Incubation Counts (PIC), Lab	
	Pasteurised Counts (LPC) and coliform counts.	
Quantity	This amount or volume of products supplied or	Delivery Docket/Manifest,
	produced (e.g., retail items).	Purchase Order, Receipt of
		purchase/Tax Invoice,
		Transfer Declaration
Receiver/Buyer	This is an 11-digit registration number, issued by the	Certificate of Analysis
Australian Business	Australian Tax Office, used to identify businesses.	(COA), Purchase Order,
Number (ABN)		Transfer Declaration
Receiver/Buyer	These are identifying details of the persons or business	Certificate of Analysis
Details	receiving or purchasing items from another entity and	(COA), Delivery
	may include operator or business name, address,	Docket/Manifest, Purchase
Complexity	telephone number etc.	Order, Transfer Declaration
Sample number	This is the number identifying the unique sample taken	Certificate of Analysis (COA)
	from a lot. For milk samples, each milk sample is	
	labelled with a unique sample number for identification	
	purposes which is incorporated into the Milk sample	

	barcode along with the suppliers unique Farm ID number or Milk Supply Agreement contract number. Two types of milk samples are taken by the tanker operator at milk collection and differentiated by the colour of the sample cap. These include a composite sample; samples from each of the milk vats to identify any inhibitory substances, cleaning and cooling issues, and a compositional sample; to determine the Somatic Cell Count (SCC), protein, and butter fat content for quality and composition purposes. For packaged product, this will be a test lot identifier, a unique identifier that is allocated to all cartons, pallets, and shipping containers for which an analysis sample represents.	
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Certificate of Analysis (COA), Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Certificate of Analysis (COA), Delivery Docket/Manifest, Purchase Order, SSCC/Pallet label, Transfer Declaration
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Transfer Declaration
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Transfer Declaration
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	SSCC/Pallet label
Transporter Details	These are the identifying details of the persons or business transporting items to another entity and may include operator or business name, address, telephone number etc.	Delivery Docket/Manifest, Transfer Declaration
Unit of measure	The unit of measure relating to a specific quantity.	Purchase Order

5.3.4 Export Dairy Product Movement

Critical Tracking Event for the movement of dairy products from an exporting country to an importing country.

Forms/ data groups	Description	Authority
Bill of lading/Air	The bill of lading/air waybill is a document issued by a carrier to	Australian
Waybill	a consigner of goods, which is then delivered to the buyer of	Government
	goods and states the terms and conditions of carriage.	
Certificate of Analysis	A certificate of analysis is a document which confirms that	Importing
Export	product has undergone microbiological testing as per standards	Government
	or importing country requirements in a National Association of	
	Testing Authorities, Australia (NATA) accredited laboratory.	
Container System Unit	A series of labels or stamps included on Container System Units	Australian
label	which identify the container for traceability purposes and also	Government
	other important information such as weight, hazard warnings,	
	size and owner etc.	
Delivery	A formal document which accompanies the delivery of goods	Australian
Docket/Manifest	and describes what product is being delivered and the quantity	Government
	of the product in the delivery.	
Export	A certificate issued by the Department containing details about	Australian
Health/Government	the product being exported and confirming that certain	Government
Certificate	importing country requirements have been met to facilitate	
	clearance of goods at import. Depending on requirements, the	
	certificate will be signed by either a Veterinary or Authorised	
	Officer.	
Export Permit	A document that confirms eligibility of goods for export and	Australian
	facilitates the exit of these goods from Australia.	Government
Importer/Exporter	A contract between the importing and exporting businesses	Importer/Exporter
Agreement	which specifies the terms of trade.	
Manufacturers	A statement made by the manufacturer regarding the eligibility	Australian
Declaration of	of the prescribed milk and milk products being exported.	Government
Compliance		
Official Seal	An official, tamper-evident seal issued by the Department to	Australian
	container system units for export.	Government
Organic Goods	A certificate which confirms that organic goods have been	Australian
Certificate	produced in accordance with the National Standard for Organic	Government
	and Bio-Dynamic Produce by an approved certifying body.	
Packing List	A document used in international trade which provides the	Australian
	freight forwarder and consignee with information about the	Government
	shipment.	
Purchase Order	A contract between the buyer and a seller which specifies	Australian
	information relating to the goods, delivery and terms and	Government
	conditions of purchase.	
Receipt of	Issued by the supplier of goods, a Receipt of purchase is a	ATO
purchase/Tax Invoice	document which shows proof of purchase while a Tax Invoice is	
	a document showing the price of purchase as well as other	
	information such as GST. A Recipient Generated Tax Invoice is a	
	document issued by the recipient of the goods on behalf of the	
	supplier.	
Transfer Declaration	A declaration statement made by the dispatching	Australian
	establishment regarding the export eligibility of the goods	Government
	being moved.	

Table 157. CTE - Critical Tracking Event forms/data groups for Export Dairy Product Movement.

Table 158. KDE - Key Data Elements for Export Dairy Product N	Aovement.
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Elements	Description	Used with
Analysis Date	This is the date on which a product sample was analysed in a YYMMDD format.	Certificate of Analysis Export
Arrival date	This is the estimated date on which livestock or other products (e.g., feed, raw milk, or milk products) will arrive at the receiving location/establishment.	Transfer Declaration
Best Before/Use By Date (YYMMDD)	Used on end-product packaging, the Best Before Date indicates the date on which the product may lose some of its qualities but is still safe to eat. The Use By Date is the last date on which the product must be eaten by or else thrown away due to becoming a food safety risk. The specific type of end date to be used on dairy product packaging is defined by regulations.	Certificate of Analysis Export
Bill of lading/Air Waybill document number	A unique document number issued for traceability purposes.	Bill of lading/Air Waybill, Certificate of Analysis Export, Organic Goods Certificate, Packing List
Certificate of Analysis Export test lot identifier	This is a unique identifier allocated to all cartons, pallets, and shipping containers for which an analysis sample represents.	Certificate of Analysis Export
Certificate of Analysis number	A unique certificate number issued for traceability purposes.	Certificate of Analysis Export, Organic Goods Certificate
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Organic Goods Certificate
Company/product code	This is an in-house code for the identification of the product in the unit.	Bill of lading/Air Waybill, Certificate of Analysis Export, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Container System Unit label, Organic Goods Certificate, Packing List
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight,	Bill of lading/Air Waybill, Container System Unit label, Packing List

	the payload weight, and cubic capacity (cubic feet).	
Contract end date	This is the date on which an agreement between two parties ends.	Importer/Exporter Agreement
Contract number	This is a unique number allocated to the contract by the contract administrator.	Delivery Docket/Manifest, Importer/Exporter Agreement
Contract start date	This is the date on which an agreement between two parties begins.	Importer/Exporter Agreement
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Bill of lading/Air Waybill, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration
Country of origin	This includes where the product was manufactured and the origin of components if required by the import conditions.	Bill of lading/Air Waybill
Dairy Licence number	State food authorities require all businesses that produce, process, store, or transport dairy products to hold a dairy licence for compliance with food safety standards.	Importer/Exporter Agreement
Date	This is the date of signing or of which a record entry or transaction was made.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Declaration statement	This is a statement made by the dispatching establishment or manufacturer of goods confirming that the information on the document is true and complete; that the food was manufactured and processed in accordance with the Export Control (Milk and Milk Products) Rules 2021 and the applicable approved arrangements; the goods are compliant with importing country requirements.	Manufacturers Declaration of Compliance, Transfer Declaration
Delivery Docket/Manifest number	This is a unique number allocated to the docket for identification purposes.	Delivery Docket/Manifest
Export Health/Government Certificate Number	A unique number allocated to the Health/Government Certificate export consignment for traceability purposes.	Export Health/Government Certificate, Organic Goods Certificate
Export Permit Number	A unique permit number is allocated for the export consignment following submission of a correct and validated Request For Export (RFE) which is then approved by the Secretary.	Export Permit, Organic Goods Certificate

From Establishment	A number issued by Federal and State	Certificate of Analysis Export, Export
number	Authorities to identify the originating site from which milk or milk products (intended for export) were distributed. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Health/Government Certificate, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Transfer Declaration
From Port Code	Also known as the port of loading, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from which goods are sent.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Export Health/Government Certificate
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Packing List, Receipt of purchase/Tax Invoice
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Container System Unit label
Movement date	The date on which livestock or other products (e.g., feed, raw milk, or milk products) were transported between locations.	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Transfer Declaration
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Transfer Declaration
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Delivery Docket/Manifest

Organic Goods	A unique number allocated to the Organic	Organic Goods Certificate
Certificate Number	Goods Certificate for traceability purposes.	
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was packaged and is recorded in the format year, month, day (YYMMDD).	Certificate of Analysis Export
Permit expiry date	This is the expiry date of the approved Export Permit. An export permit is valid for 28 days and should be issued prior to the intended departure of the goods. The exporter of the goods must notify the Secretary if the intention to export is abandoned.	Export Permit
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List, Transfer Declaration
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Manufacturers Declaration of Compliance, Transfer Declaration
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Delivery Docket/Manifest, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Receiver/Buyer Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order, Transfer Declaration
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery

Shipping Mark Supplier/Vendor Australian Business	 another entity and may include operator or business name, address, telephone number etc. Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC. This is an 11-digit registration number, issued by the Australian Tax Office, used to identify 	Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter
Number (ABN)	businesses.	Agreement, Manufacturers Declaration of Compliance, Purchase Order, Receipt of purchase/Tax Invoice, Transfer Declaration
Supplier/Vendor Details	These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Export Permit, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order, Transfer Declaration
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Organic Goods Certificate
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Importer/Exporter Agreement, Packing List, Transfer Declaration
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Importer/Exporter Agreement, Transfer Declaration
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of	Export Health/Government Certificate, Organic Goods Certificate

	product, name and address of establishments, ingredients, directions for use etc.	
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Bill of lading/Air Waybill, Export Health/Government Certificate, Organic Goods Certificate, Packing List
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Bill of lading/Air Waybill, Delivery Docket/Manifest, Transfer Declaration
Unit of measure	The unit of measure relating to a specific quantity.	Importer/Exporter Agreement, Purchase Order

5.3.5 Import Dairy Product Movement

Critical Tracking Event for the movement of dairy products within an importing country.

Table 159. CTE - Critical Tracking Event forms/data groups for Import Dairy Product Movement.

Forms/ data groups	Description	Authority
Bill of lading/Air	The bill of lading/air waybill is a document issued by a carrier to	Australian
Waybill	a consigner of goods, which is then delivered to the buyer of	Government
	goods and states the terms and conditions of carriage.	
Certificate of Analysis	A certificate of analysis is a document which confirms that	Importing
Export	product has undergone microbiological testing as per standards	Government
	or importing country requirements in a National Association of	
	Testing Authorities, Australia (NATA) accredited laboratory.	
Container System Unit	A series of labels or stamps included on Container System Units	Australian
label	which identify the container for traceability purposes and also	Government
	other important information such as weight, hazard warnings,	
	size and owner etc.	
Delivery	A formal document which accompanies the delivery of goods	Australian
Docket/Manifest	and describes what product is being delivered and the quantity	Government
	of the product in the delivery.	
Export	A certificate issued by the Department containing details about	Australian
Health/Government	the product being exported and confirming that certain	Government
Certificate	importing country requirements have been met to facilitate	
	clearance of goods at import. Depending on requirements, the	
	certificate will be signed by either a Veterinary or Authorised	
	Officer.	
Food Control	A document that is required for the importation of food into	Australian
Certificate	Australia and specifies whether the food to which the	Government
	certificate relates is required to be inspected by an Authorised	
	Officer and meets the applicable import standards.	
Import Permit	A document that confirms eligibility of goods for import and	Importing
	facilitates the importation of these goods by a country.	Government
Import Receipt of	Issued by the supplier of goods, a Receipt of purchase is a	Importing
purchase/Tax Invoice	document which shows proof of purchase while a Tax Invoice is	Government
	a document showing the price of purchase as well as other	
	information such as GST. A Recipient Generated Tax Invoice is a	

	document issued by the recipient of the goods on behalf of the supplier.	
Imported Food Inspection Advice	Written advice issued by an authorised food inspection officer stating whether the whole or part of a food inspected or analysed is identified as a failing food and how the food is to be dealt with.	Importing Government
Importer/Exporter Agreement	A contract between the importing and exporting businesses which specifies the terms of trade.	Importer/Exporter
Importers Declaration	A declaration required to be completed by the importer of a good that lists the details of the products included in the consignment and a statement that the information is true and complete in accordance with processing standards and requirements.	Importing Government
Manufacturers Declaration of Compliance	A statement made by the manufacturer regarding the eligibility of the prescribed milk and milk products being exported.	Australian Government
Official Seal	An official, tamper-evident seal issued by the Department to container system units for export.	Australian Government
Organic Goods Certificate	A certificate which confirms that organic goods have been produced in accordance with the National Standard for Organic and Bio-Dynamic Produce by an approved certifying body.	Australian Government
Packing List	A document used in international trade which provides the freight forwarder and consignee with information about the shipment.	Australian Government
Purchase Order	A contract between the buyer and a seller which specifies information relating to the goods, delivery and terms and conditions of purchase.	Australian Government

Table 160. KDE - Key Data Elements for Import Dairy Product Movement.

Elements	Description	Used with
Analysis Date	This is the date on which a product sample	Certificate of Analysis Export, Imported
	was analysed in a YYMMDD format.	Food Inspection Advice
Authorised Signee	These are the identifying details of the	Importers Declaration
Details	persons authorised to sign a document and	
	may include full name, address, telephone	
	number etc.	
Best Before/Use By	Used on end-product packaging, the Best	Certificate of Analysis Export
Date (YYMMDD)	Before Date indicates the date on which	
	the product may lose some of its qualities	
	but is still safe to eat. The Use By Date is	
	the last date on which the product must be	
	eaten by or else thrown away due to	
	becoming a food safety risk. The specific	
	type of end date to be used on dairy	
	product packaging is defined by	
	regulations.	
Bill of lading/Air	A unique document number issued for	Bill of lading/Air Waybill, Certificate of
Waybill document	traceability purposes.	Analysis Export, Organic Goods
number		Certificate, Packing List
Certificate of Analysis	This is a unique identifier allocated to all	Certificate of Analysis Export, Imported
Export test lot	cartons, pallets, and shipping containers	Food Inspection Advice, Certificate of
identifier	for which an analysis sample represents.	Analysis Export, Imported Food

		Inspection Advice, Organic Goods Certificate
Certifying Organisation Stamp	This is a stamp of approval issued by the organic certifying body to which the goods relate. It confirms that the goods have been produced in accordance with the National Organic Standard and that all importing country requirements have been met.	Organic Goods Certificate
Company/product code	This is an in-house code for the identification of the product in the unit.	Bill of lading/Air Waybill, Certificate of Analysis Export, Import Receipt of purchase/Tax Invoice, Imported Food Inspection Advice, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order
Confirmation statement	This is a statement made by the authorised signee confirming that the goods meet specific processing temperature controls as specified by the import requirements for that particular product.	Importers Declaration
Consignment Serial Shipping Container Code (SSCC)	Encoded in the GS1 barcode, this is a unique number which identifies the individual logistic unit i.e., shipment/message that is assigned by the establishment constructing the unit. The SSCC remains the same for the life of the logistic unit.	Bill of lading/Air Waybill, Food Control Certificate, Imported Food Inspection Advice, Organic Goods Certificate, Packing List
Container System Unit number	This is a unique sequence of letters and numbers which identifies the Container System Unit internationally and includes information such as an owner code, product group, registration number, check digit and size and type code.	Container System Unit label, Organic Goods Certificate, Packing List
Container Weights (Kilograms)	This includes the maximum allowable weight of the container, the container tare weight, the payload weight, and cubic capacity (cubic feet).	Bill of lading/Air Waybill, Container System Unit label, Packing List
Contract end date	This is the date on which an agreement between two parties ends.	Importer/Exporter Agreement
Contract number	This is a unique number allocated to the contract by the contract administrator.	Delivery Docket/Manifest, Importer/Exporter Agreement
Contract start date	This is the date on which an agreement between two parties begins.	Importer/Exporter Agreement
Count of Trade Items	Usually encoded in the GS1 barcode, this is the number of trade items e.g., cartons in the logistic unit.	Bill of lading/Air Waybill, Food Control Certificate, Imported Food Inspection Advice, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List
Country of origin	This includes where the product was manufactured and the origin of	Bill of lading/Air Waybill

	components if required by the import	
<u></u>	conditions.	
Dairy Licence number	State food authorities require all	Importer/Exporter Agreement
	businesses that produce, process, store, or	
	transport dairy products to hold a dairy	
	licence for compliance with food safety	
	standards.	
Date	This is the date of signing or of which a	Bill of lading/Air Waybill, Certificate of
	record entry or transaction was made.	Analysis Export, Delivery
		Docket/Manifest, Export
		Health/Government Certificate, Food
		Control Certificate, Import Receipt of
		purchase/Tax Invoice,
		Importer/Exporter Agreement,
		Importers Declaration, Manufacturers
		Declaration of Compliance, Packing List,
		Purchase Order
Declaration statement	This is a statement made by the	Manufacturers Declaration of
	dispatching establishment or manufacturer	Compliance
	of goods confirming that the information	
	on the document is true and complete;	
	that the food was manufactured and	
	processed in accordance with the Export	
	Control (Milk and Milk Products) Rules	
	2021 and the applicable approved	
	arrangements; the goods are compliant	
	with importing country requirements.	
Delivery	This is a unique number allocated to the	Delivery Docket/Manifest
Docket/Manifest	docket for identification purposes.	
number		
Export	A unique number allocated to the	Export Health/Government Certificate,
Health/Government	Health/Government Certificate export	Organic Goods Certificate
Certificate Number	consignment for traceability purposes.	
Export Permit	A unique permit number is allocated for	Organic Goods Certificate
Number	the export consignment following	
	submission of a correct and validated	
	Request For Export (RFE) which is then	
	approved by the Secretary.	
Food Control	This is a number assigned to the entry of a	Food Control Certificate, Imported Food
Certificate entry	shipment of goods imported by the same	Inspection Advice
number	owner at the same time which can be	
	described by one import entry.	
From Establishment	A number issued by Federal and State	Certificate of Analysis Export, Export
number	Authorities to identify the originating site	Health/Government Certificate,
	from which milk or milk products (intended	Importer/Exporter Agreement,
	for export) were distributed. For transfer	Manufacturers Declaration of
	declarations, the Establishment numbers	Compliance
	for both the dispatching and receiving	
	establishments are recorded.	
From Port Code	Also known as the port of loading, this is	Bill of lading/Air Waybill, Organic Goods
	the identification code of any location used	Certificate, Packing List

	seaport, airports etc.) from which goods are sent.	
Global Trade Item Number (GTIN)	Encoded on the ITF-14 or GS1, the GTIN is a globally unique 14-digit number used to identify specific trade items, products, or services and is linked to the product name.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order
Gross Weight (Kilograms)	This is the total weight of the goods including packaging (Kilograms) and excluding the tare weight of the transport unit.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
ICS Importer Code	This is the Integrated Cargo System (ICS) unique code issued to the importer of the consignment.	Importers Declaration, Importers Declaration
Import Permit Number	A unique permit number is allocated for the import consignment following submission of correct and validated documentation approved by the importing country.	Export Health/Government Certificate, Import Permit
Imported Food Inspection Advice certificate number	A unique certificate number issued for traceability purposes.	Imported Food Inspection Advice
Invoice number	This is a unique number allocated to the invoice by the supplier or receiver of purchased items/products for payment tracking purposes.	Import Receipt of purchase/Tax Invoice, Packing List
ISO code	A code allocated to the container system unit by the International Container Bureau that describes length, height and type of container and its characteristics.	Container System Unit label
Movement date	The date on which livestock or other products (e.g., feed, raw milk or milk products) were transported between locations.	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate, Food Control Certificate, Importer/Exporter Agreement, Organic Goods Certificate, Packing List
Net Weight (Kilograms)	Usually encoded in the GS1 barcode, the Net Weight is a variable measure of the trade item e.g., carton, pallet or shipment recorded in kilograms.	Bill of lading/Air Waybill, Export Health/Government Certificate, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List
Official Seal Serial Number	This is a unique serial number printed on any tamper-evident seal issued by the Department.	Bill of lading/Air Waybill, Export Health/Government Certificate, Official Seal, Organic Goods Certificate, Packing List
Order date	This is the date on which the purchase order or contract was raised by the buyer.	Delivery Docket/Manifest
Organic Goods Certificate Number	A unique number allocated to the Organic Goods Certificate for traceability purposes.	Organic Goods Certificate
Packaging Date (YYMMDD)	Encoded in the GS1 barcode, the Packaging Date is the date on which the item was	Certificate of Analysis Export

	packaged and is recorded in the format year, month, day (YYMMDD).	
Product class	A product class is a group of products that are homogeneous or generally considered as substitutes for each other. The class is considered as narrow or broad depending on how substitutable the various products are. For example, hard, soft, semi-soft cheese.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order
Product name	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order
Production batches/lot numbers	This is a unique number which identifies products (e.g., ingredients, commodities, products, chemicals) sharing certain production characteristics and is used for traceability purposes. Note that multiple batches may be produced by a given unit of product e.g., a milk silo.	Bill of lading/Air Waybill, Manufacturers Declaration of Compliance, Packing List
Production Date (YYMMDD)	This is the date on which product was processed or produced and is recorded in the format year, month, day (YYMMDD).	Manufacturers Declaration of Compliance
Purchase Order number	A unique number assigned to a purchase or order usually requested by a customer and is linked to the work order number/production order.	Delivery Docket/Manifest, Importer/Exporter Agreement, Packing List, Purchase Order
Quantity	This amount or volume of products supplied or produced (e.g., retail items).	Delivery Docket/Manifest, Import Receipt of purchase/Tax Invoice, Importer/Exporter Agreement, Organic Goods Certificate, Packing List, Purchase Order
Receiver/Buyer Business Number	This is a unique registration number, used to identify businesses.	Certificate of Analysis Export, Importer/Exporter Agreement, Purchase Order
Receiver/Buyer Details	These are identifying details of the persons or business receiving or purchasing items from another entity and may include operator or business name, address, telephone number etc.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Organic Goods Certificate, Packing List, Purchase Order
Shipping Mark	Also known as a port mark, this is a code comprising of three letters representing the foreign establishment number and the last nine digits of the consignment SSCC.	Bill of lading/Air Waybill, Certificate of Analysis Export, Export Health/Government Certificate
Supplier/Vendor Australian Business Number (ABN)	This is an 11-digit registration number, issued by the Australian Tax Office, used to identify businesses.	Bill of lading/Air Waybill, Certificate of Analysis Export, Importer/Exporter Agreement, Manufacturers Declaration of Compliance, Purchase Order

Supplier/Vendor	This is a unique registration number, used	Import Receipt of purchase/Tax Invoice
Business Number Supplier/Vendor Details	to identify businesses. These are the identifying details of the persons or business supplying items to another entity and may include operator or business name, address, telephone number etc.	Bill of lading/Air Waybill, Certificate of Analysis Export, Delivery Docket/Manifest, Export Health/Government Certificate, Importer/Exporter Agreement, Importers Declaration, Manufacturers Declaration of Compliance, Organic Goods Certificate, Packing List, Purchase Order
Supply Chain Supplier/Vendor Details	These are the identifying details of the persons or business, previous to the current owner, who were operators in relation to the organic goods being supplied to subsequent entities and may include operator or business name, address, telephone number etc.	Organic Goods Certificate
Temperature requirements	This is a statement of instruction specifying the temperature requirements for the goods whilst in transport including storage at less than -18 degrees Celsius (frozen product); -5 degrees or less (chilled product); unrefrigerated.	Importer/Exporter Agreement, Packing List
To Establishment number	A number issued by Federal and State Authorities to identify the receiving site of which milk or milk products (intended for export) will be/were distributed to. For transfer declarations, the Establishment numbers for both the dispatching and receiving establishments are recorded.	Importer/Exporter Agreement
To Port Code	Also known as the port of discharge, this is the identification code of any location used in international trade and transport (e.g., seaport, airports etc.) from where goods are discharged or unloaded.	Bill of lading/Air Waybill, Organic Goods Certificate, Packing List
Trade description	Required on the packaging of products indented for export, this is a collective set of words that says what the product is. It may include information such as net weight of product, name and address of establishments, ingredients, directions for use etc.	Export Health/Government Certificate, Food Control Certificate, Organic Goods Certificate
Transport registration number	The registration number of the vehicle in which the animals or product were transported. For shipments of product this will be a shipping container number.	Bill of lading/Air Waybill, Export Health/Government Certificate, Food Control Certificate, Organic Goods Certificate, Packing List
Transporter Details	This is a unique name that a business, company or enterprise chooses to give a product created e.g., Organic Salt Reduced Mozzarella 1Kg	Bill of lading/Air Waybill, Delivery Docket/Manifest
Unit of measure	The unit of measure relating to a specific quantity.	Importer/Exporter Agreement, Purchase Order

6 Reference List

EUR-Lex. (2002). Regulation (EC) No 178/2002 of the European Parliament and of the Council of 28 January 2002 laying down the general principles and requirements of food law, establishing the European Food Safety Authority and laying down procedures in matters of food safety. Retrieved from <u>https://eurlex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32002R0178</u>

Food Standards Australia & New Zealand. (2021). Food traceability Retrieved from https://www.foodstandards.gov.au/industry/safetystandards/traceability/pages/default.aspx

GS1 Australia. (2021). Australian Dairy Traceability Implementation Guideline In (pp. 1-62). Mulgrave, VIC.

- GS1US. (2014). A Model for the Adoption of Critical Tracking Events (CTEs) in the Meat & Poultry Supply Chain. In.
- The Traceability Working Group. (2019). National Traceability Framework: enhancing Australia's world-class agricultural traceability systems. Canberra: CC BY 4.0
- Zhang, J., & Bhatt, T. (2014). A Guidance Document on the Best Practices in Food Traceability. *Comprehensive Reviews in Food Science and Food Safety*, *13*(5), 1074-1103. doi:10.1111/1541-4337.12103