
**Traceability of crustacean products —
Specifications on the information to
be recorded in captured crustacean
distribution chains**

*Traçabilité des crustacés — Spécifications relatives aux
informations à enregistrer dans les chaînes de distribution de
crustacés issus de la pêche*



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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

The committee responsible for this document is ISO/TC 234, *Fisheries and aquaculture*.

Introduction

There are increasing demands for detailed information on the nature and origin of food products. Traceability is becoming a legal and commercial necessity.

The ISO definition of traceability concerns the ability to trace the history, application, and location of that which is under consideration, and for products this can include the origin of food materials and non food parts thereof, the processing history and the distribution and location of the product after delivery. Traceability includes not only the principal requirement to be able to physically trace products through the distribution chain, from origin to destination and vice versa, but also to be able to provide information on what they are made of and what has happened to them. These further aspects of traceability are important in relation to food safety, quality, and labelling.

The scheme specified in this International Standard does not demand perfect traceability, i.e. that a particular retail product should be traceable back to a capture operator and batch of origin. Pragmatically it is recognized that mixing of animals or materials is often commercially necessary at a number of stages in the distribution chains, e.g. in grading at first sale prior to sale and in the processing of raw materials into products. As a result there will be occasions where whole chain traceability of materials and products is neither possible nor commercially practical. These limitations are to be recognized and taken into consideration when auditing against this International Standard and are not to preclude compliance so as to disadvantage otherwise compliant operators. Where such mixing necessarily occurs, the food business shall generate a trade unit or units only from the point that identification of units is possible. The requirement for traceability is that the business records the IDs of created or received trade units that may be input into each subsequently created unit thereafter, and vice versa. The particular product or products are then traceable through the supply chain (as far as is practical) to generate information on the maximum number of stages of the chain as possible.

Given the variety of crustacean products and of their distribution chains that operate within and between different countries, and varying legal requirements, the information specifications cannot itemise all the information that may possibly be required in every situation. This International Standard provides a generic basis for traceability. Flexibility is allowed for businesses to record further information, in their own non-standardised files, but keyed to the same unit IDs.

The information remains in the ownership of the food business that generated it but is available when required by law for the purposes of traceability (in the event of a food safety problem) or by commercial agreement between businesses. The structure, names, and content of the information is standardised so that it can be readily communicated from business to business through the distribution chains, ensuring common understanding of terms and meanings.

Commercial arrangements for businesses to communicate information through the distribution chains are to be encouraged, particularly for the information desired by the trade to be visible at the various transaction points in the chains, but that is not the subject of this International Standard.

Though this International Standard is designed with electronic representation and communication of data in mind, the specifications may be met by paper systems.

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Traceability of crustacean products — Specifications on the information to be recorded in captured crustacean distribution chains

1 Scope

This International Standard specifies the information to be recorded in wild-caught crustacean supply chains in order to establish the traceability of products originating from wild-caught crustacean. It specifies how crustacean products traded are to be identified and the information to be generated and held on those products by each of the food businesses that physically trade them through the distribution chains. It is specific to the distribution for human consumption of crustacean and their products, from wild-caught through to retailers or caterers.

The types of businesses identified in this International Standard for wild-caught crustacean distribution chains are:

- capture operators;
- landing businesses and first sale;
- processors;
- transporters and store operators;
- traders and wholesalers;
- retailers and caterers;
- logistics including materials brought from other domains.

Any given crustacean distribution chain may be made up of some or all of the above components but not necessarily in the sequence listed.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 8601, *Data elements and interchange formats — Information interchange — Representation of dates and times*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1

traceability

ability to trace the history, application, or location of that which is under consideration

Note 1 to entry: When considering product, traceability can relate to the following:

- origin of materials and parts,
- processing history, and

— distribution and location of the product after delivery.

[SOURCE: ISO 9000:2005, 3.5.4, modified]

3.2

Unique Logistic Unit Identifier

ULUI

any composition established for transport and/or storage that needs to be identified and managed through the supply chain

3.3

Unique Trade Unit Identifier

UTUI

smallest unit, which is guaranteed to retain its integrity as it moves from one link of the chain to the next

Note 1 to entry: It is the smallest unit that is kept whole and undivided with no change in content or label/identification.

3.4

crustacean

aquatic animal belonging to the phylum Arthropoda

Note 1 to entry: Arthropoda is a major group of invertebrate organisms characterized by their chitinous exoskeleton and jointed appendages, occurring in marine and freshwaters and on land.

3.5

crustacean product

product prepared out of crustaceans or parts thereof

4 Abbreviations

CAC	Codex Alimentarius Commission
EPC	Electronic Product Code, a unique number provided by GS1 used to identify instances of trade items (individual trade units) particularly suited for representation in an RFID chip
FAO	The Food and Agriculture Organization of the United Nations
FBO	Food Business Operator, generic term for someone in the supply chain who processes, sends, or receives relevant trade units or logistic units
GLN	Global Location Number, a 13-digit globally unique number provided by GS1 used to identify parties and physical locations
GMP	Good Manufacturing Practice
GS1	Global non-profit organization dedicated to the design and implementation of global standards and solutions to improve the efficiency and visibility of supply and demand chains globally and across sectors; previously EAN/UCC.
GTIN	Global Trade Item Number, an 8–14-digit globally unique number provided by GS1 used to identify types of trade items (product types)
HACCP	Hazard Analysis Critical Control Points
HS	Harmonized Commodity Description and Coding System
LAT	Latin Name
LU	Logistic Unit

RFID	Radio-Frequency Identification, the use of an object (typically referred to as an RFID tag) applied to or incorporated into a product for the purpose of identification and tracking using radio waves
RFMO	Regional Fisheries Management Organization
SGTIN	Serialized Global Trade Item Number, a unique number provided by GS1 used to identify instances of trade items (individual trade units) by extending the GTIN
SSCC	Serial Shipping Container Code, an 18-digit globally unique number provided by GS1 used to identify logistics units
TSN	Taxonomic Serial Number
TU	Trade Unit
UI	Unique Identifier
ULUI	Unique Logistic Unit Identifier
UTUI	Unique Trade Unit Identifier

5 Principle

The fundamental principle of chain traceability is that trade units (TU) shall be identified by unique codes (UI). This code may be globally unique in itself (for instance, the GS1 SGTIN or EPC numbers) or it could be unique in that particular scope only, which means that it should be no other TUs in that part of the chain that may have the same number. If the scope (the product type, the company, the chain, the sector, the country, or similar) is assigned a globally unique number, the combination of the globally unique scope number and the locally unique TU number shall constitute a globally unique identifier for the TU.

NOTE 1 The UTUI term is introduced to indicate a TU identifier which is, or might be, made globally unique.

Trade Units (TUs) may be grouped together to make Logistic Units (LUs) or LUs may be grouped together to make higher level LUs. A fundamental principle of chain traceability is that logistic units shall be identified by a unique code. This code shall be a national code which may be globally unique in itself (similar to the GS1 SSCC code) or it could be unique in that particular scope only, which means that there should be no other LUs in that part of the chain that may have the same number. If the scope (the product type, the company, the chain, the sector, the country) is assigned a globally unique number, the combination of the globally unique scope number and the locally unique LU number shall constitute a globally unique identifier for the LU.

NOTE 2 The ULUI term is introduced to indicate a LU identifier which is, or might be, made globally unique.

The key to the operation of this traceability scheme is the labelling of each unit of goods traded, whether of raw materials or finished products, with a unique ID. This shall be done by the food business that creates each unit. Businesses that transform units, such as processors who convert the units of raw materials received into the products dispatched, shall create new units and shall give them new IDs.

As indicated above, the simplest way of implementing UTUIs and ULUIs is to use the GS1 SGTIN/EPC and SSCC codes. This practice is recommended, but is not mandatory. The central principle behind this standard is that businesses which create TUs or LUs should assign unique numbers to them.

Each of the food businesses that create or physically trade in those units, throughout the distribution chains from catcher through to retailer or caterer, shall generate and hold the information necessary for traceability. The information is to be held on paper or electronically keyed to the unit IDs.

6 Requirements

6.1 Identification of the units traded

Businesses that bring in supplies of captured crustacean products from outside of the domain of the specifications and trade them onwards shall identify each unit traded and record associated information elements as indicated in [Table 3](#) to [Table 10](#).

6.2 Recording of information

To distinguish between the different categories of information, all information elements are classified as either “shall”, “should”, or “may”, with definition (see [Table 1](#)).

Table 1 — Classification of informative elements

	Definition	Explanation
“shall”	This category contains recordings related to identifiers and transformations that is necessary in order to trace the history, application, or location of an entity. This means the unique identity of trade and logistic units, as well as the dependencies between the identifiers of inputs and outputs in a process.	“shall” elements are data elements that are deemed necessary to record to ensure that traceability is possible. Data elements relating to product properties are not in this category, even if these properties are essential for other purposes like product documentation or food safety.
“should”	This category contains parameters that describe and provide supporting information on the units being traced. Common parameters required by law, commercial requirements, or good manufacturing practices are recorded, but only where an established international format or data list for the value exists.	This includes parameters like “species”, “production date”, etc. If certification according to this International Standard is to happen in the future, the “should” parameters are to be considered.
“may”	This category contains parameters that describe and provide supporting information on the units being traced. It contains parameters that are not part of the “should” category, but that may still be useful or relevant to record. It also contains parameters that may be deemed important, but where no established international format or data list exists.	The “may” category is informative only, and it is included to enable use and uptake of the standard. If certification according to this International Standard is to happen in the future, the recording of “may” parameters are not to be considered when evaluating adherence. The list of “may” elements is not definitive or exclusive, it is by design extendible, and the threshold for including new elements in this category is low.

Businesses that physically trade in crustacean products shall generate and hold the required information, appropriate to the type of business, for each of the units traded.

The detailed information requirements are tabulated in [Table 2](#).

Table 2 — Information requirements to be recorded by the different businesses

Food Business Operator (FBO) Type	Table	Data prefix ^a	Receive	Transform	Create/Produce	Dispatch
Capture operators	3	CFV	—	Yes	TU / LU	TU / LU
Landing businesses and first sale	4	CLA	TU	—	TU / LU	TU / LU
Processors	5	CPR	TU / LU	Yes	TU / LU	TU / LU
Live crustacean transporters	6.1	CTR	TU / LU	Yes	TU / LU	TU / LU

^a For the purpose of unique identification to establish an extendable framework for data element identification, each table has been identified with a three letter alphanumeric code. This code plus three digits is used to give a unique number to each data element.

Table 2 (continued)

Food Business Operator (FBO) Type	Table	Data prefix ^a	Receive	Transform	Create/Produce	Dispatch
Transporters and cold store operators for crustaceans other than live	6.2	CTS	TU / LU	No	LU	TU / LU
Traders and wholesalers	7	CTW	TU / LU	No	TU / LU	TU / LU
Retailers and caterers	8	CRC	TU / LU	Yes	TU / LU	-
Bringing in materials from outside the domain	9	COT	TU / LU	—	TU / LU	TU / LU
^a For the purpose of unique identification to establish an extendable framework for data element identification, each table has been identified with a three letter alphanumeric code. This code plus three digits is used to give a unique number to each data element.						

The information specifications separately tabulate the information to be recorded by each of these types of business. Some businesses may carry out the functions of more than one of the types listed, for example, distribution businesses may act as wholesalers and as transporters, in which case those businesses shall record the relevant information requirements for each of the functions carried out.

NOTE 1 This International Standard is limited in scope to the distribution for human consumption of crustacean and their products. The captured crustacean information specifications are substantially the same from processing onward.

Pragmatically it is recognized that some supplies of crustacean products and supplies of ingredients, etc., will come from outside of the domain and may lack the required IDs and information records. To accommodate this, a business that brings in crustacean and materials from outside of the domain is required to generate and hold the key information necessary for the traceability of the units brought in, and if they are to be traded on, to label those units with the required IDs.

NOTE 2 These specifications are designed with electronic representation and communication of data in mind, but this is not a requirement when using the standard. The specifications might also be met by paper systems.

Note that the specification is for data to be generated, recorded, and stored at the respective link. For all links, relevant data shall be generated in a previous link in the supply chain and passed along with the trade unit/logistic unit.

NOTE 3 In these tabulations, there is no repetition of the information originally recorded to describe the units created and their history, although businesses receiving those units later in the distribution chain will often need some of that information. The information is keyed to the unit IDs and can be supplied by commercial agreement between the businesses without having to re-input the data.

6.3 Capture

For the purposes of this International Standard, *capture* means commercial fishing activities with or without vessel which can be motorized or not, with mechanized or manual devices and that catch crustaceans and transport it to the point of discharge. Crustacean may also be frozen on fishing vessels. Fishing vessels may carry out their own discharging operations that may include grading, weighing, and boxing, prior to dispatch to the next food business. Alternatively, the food business operator may discharge from the fishing vessel.

The trade units created by capture operators can range from single crustacean or boxes of graded crustacean including live crustacean that have been individually/collectively labelled by the operators, to the fish hold for passing on to the next food business.

In practice some of the information elements specified below may be recorded linked to the trips and fishing grounds/location. The information so recorded shall be linked to the trade unit (the UTUI) from the capture operators.

Fishing vessels such as factory vessels or freezer vessels that carry out further processing operations such as pre-processing or freezing shall be considered both as *capture operator* and *processors*.

Table 3 — Detailed information requirements for capture operators

Data element		Description	Examples	Categorization		
				Shall	Should	May
CAPTURE OPERATOR						
CFV101	Food business ID	Unique national identification number for the organization plus country prefix, as well as name and address of the food business that operates the vessel and/do capture fishing	FSI, Kochangady, Cochin-682002, Kerala, India	x		
CFV102	Vessel ID/capture fisher ID	Flag state, name and registration number of the vessel/registration number of the fisher	Chandrasagar, JFD: 160,Gujarath	x		
CFV103	GMP certification	Names of fish quality or food safety GMP schemes by which vessel is certified	Vessel HACCP			x
CFV150	(unassigned)	Further information elements that describe the vessel, linked to vessel ID				x
FOR EACH TRADE UNIT CREATED						
Identity						
CFV201	Trade unit ID	UTUI	500653005555555555	x		
Description						
CFV202	Type of unit	Description of physical type of unit (single crustacean, box, tank, hold, block or package of crustacean, etc.)	Box		x	
CFV203	Net weight or number	Recorded as a weighed or estimated quantity of crustacean (kg)	Estimated 11-15, 21-25 per kg		x	
CFV204	Species	LAT - followed by Latin name, or FAO - followed by FAO 3alpha code, or TSN - followed by Taxonomic Serial Number (may be repeated if several species)	LAT- <i>Fenneropenaeus indicus</i> FAO-PNI TSN- 551579		x	
CFV205	Area/country of origin	FAO area/RFMO area for marine crustacean or country of origin for crustacean from inland waters, or more specific location	51 or 57	x		
CFV206	Product form	Whole, peeled deveined, peeled undeveined, peeled tail-on, etc.	Whole			x
CFV207	Size grade	Nominal weight (kg) or length (cm) range, or ungraded or count	11-15, 21-25 per kg or 10 nos per box			x
CFV208	Product condition	Live, chilled or frozen	Frozen/chilled/live			x
Production history						
CFV209	Date of capture in the case of factory vessels or date of landing in the case of other vessels or first sale	Preferably recorded as date when crustacean were captured (ISO 8601 format)	Captured 2010 - 10 - 29 or Landed 2010 - 10- 31	x		
CFV210	Fishing method/Capture fishing	Trawl, lines or net, etc. including capture method (FAO alpha code)	OTB, TBS			x
CFV211	Trawl or soak time	Time (hours) between setting fishing gear and bringing it back aboard	4 h			x
CFV212	Catch certification scheme	Name of scheme by which fishery is certified.	MPEDA catch certificate			x

Table 3 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CFV213	Certification scheme identifier	Identifier within the scheme that refers to this catch (chain of custody identifier for this catch)	1122334455			x
CFV214	Size grading method	Manual or mechanical, done at sea or on landing (only applicable if graded)	Manual			x
CFV215	Weighing method	Done at sea or on landing (only applicable if weighed)	On landing			x
CFV216	Stowage method	Boxed, bulked, seawater tanks, brine tanks or cold storage, etc.	Boxed			x
CFV217	Storage condition	None, iced, iced and refrigerated or refrigerated	None			x
CFV218	Storage temperature record	Temperature/time log (manual/automatic) of the stowage area (crustacean room, tank or cold store, etc.)	Series of temperature (°C)/date and time points in ISO 8601 format			x
Additional data						
CFV250	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CFV301	Logistic unit ID	ULUI	400653005555555555	x		
CFV302	Trade unit Ids	List of UTUIs of the trade units that make up the logistic unit	500653005555555555 500653005555555556 500653005555555557	x		
Additional data						
CFV350-	(unassigned)	Further information elements that describe the created logistic unit, linked to ULUI				x
FOR EACH UNIT DISPATCHED (either as a logistic unit or a separate trade unit)						
Identity						
CFV401	Unit ID	ULUI if dispatched as a logistic unit or UTUI if dispatched as a trade unit	400653005555555555 978817525.0766.000010272	x		
Destination						
CFV402	Next food business ID	Unique national identification number for the organization plus country prefix as well as name and address of the food business to whom the unit is dispatched (landing business, transporter, first sale or processor, etc.)	Fish First sale Company, Veli road, Palluruthy, Kerala, India	x		
CFV403	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-06-28T04:00			x
CFV404	Place of dispatch	Unique national identification number for the organization plus country prefix as well as name and address of place of landing or GLN or international ID code of the port, or approximate latitude and longitude if transferred at sea	Fishing harbor, 415 Thoppumpady Fort Kochi Kerala, India		x	
Additional data						
CFV450	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

6.4 Vessel landing businesses and first sale

For the purpose of this International Standard, vessel landing businesses are considered to be businesses that discharge vessels and/or carry out basic crustacean handling operations such as sorting, grading, and weighing crustacean on landing. They may combine the catches of several vessels.

First sales are considered to be businesses that hold crustacean for sale by competitive bidding. Vessels also discharge their catch and sort, grade, and weigh crustacean prior to sale.

Vessel landing businesses and first sale may land and auction intact trade units or even intact logistic units but commonly create new trade units

Table 4 — Detailed information requirements for vessel landing businesses and first sale

Data element		Description	Examples	Categorization		
				Shall	Should	May
LANDING BUSINESS OR FIRST SALE						
CLA101	Landing or first sale establishment ID	Unique national identification number for the landing businesses and first sale plus country prefix, as well as name and address of the food business that operates landing business or first sale	Fishing harbour, 415 Thoppumpady Cochin PIN - 682005	x		
CLA102	GMP and SSOP certification	Names of the food safety Implementation schemes - GMP and SSOP schemes recommended by National/ International agencies	BIS standards on GMP and SSOP or Codex standards for GMP and SSOP - IS 2491			x
CLA150-	(unassigned)	Further information elements that describe the organization, linked to landing or first sale establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CLA201	Unit ID	ULUI if received as a logistic unit or UTUI if received as a separate trade unit	40065300555555555	x		
CLA202	Trade units IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit (required only if received as a logistic unit and it is to be broken down or transformed by the landing business or first sale)	50065300555555555 50065300555555556 50065300555555557	x		
Source						
CLA203	Previous food business ID	Unique national identification number for the vessel plus country prefix or name and address of the food business from whom the unit was received (vessel, transporter or fisher)	Chandrasagar, JFD : 160, Gujarath	x		
CLA204	Date and time of reception	Date and time of transfer from previous food business, ISO 8601 format	2010-11-28T04:00		x	
Control checks (related to the logistic or separate trade units, as appropriate)						
CLA205	Temperature of unit when received	Temperature of unit °C	+1 °C		x	
CLA206	Unit temperature record	Temperature/time log (manual/automatic, if there is a recording device affixed to the unit)	Series of temperature (°C)/date and time points in ISO 8601 format		x	
Transformation information (for each trade unit that is transformed by landing business or first sale)						
CLA207	Related created trade unit IDs	List of the UTUIs of the created trade units that may incorporate part of the received trade unit	50065300555555555 50065300555555556 50065300555555557	x		
a The same unique ID for raw material/product will continue if there is no transformation.						

Table 4 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
Additional data						
CLA250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW TRADE UNIT CREATED BY LANDING BUSINESS OR FIRST SALE						
Identity						
CLA301	Trade unit ID	UTUI	50065300555555558	x		
Description						
CLA302	Type of unit	Description of physical type of unit (box, crates etc.)	Boxes (50 kg)		x	
CLA303	Net weight	Recorded as either a weighed or estimated weight of crustacean (kg)	Weighed, 25 kg		x	
CLA304	Species	LAT- followed by Latin name, or FAO- followed by FAO 3alpha code, or TSN- followed by Taxonomic Serial Number (may be repeated if several species)	LAT- <i>Fenneropenaeus indicus</i> FAO-PNI TSN 551579		x	
CLA305	Primary production method	Captured	Captured	x		
CLA306	Area/country of origin	FAO area/RFMO area for captured crustacean, or country of origin for captured crustacean from inland waters or more specific location	57	x		
CLA307	Product form	Whole, headless, peeled deveined, peeled undeveined	Whole, headless, PD, PUD			x
CLA308	Size grade	Count per kg or ungraded	10-20, 20-30 per kg			x
CLA309	Condition of product	Live, chilled or frozen	Chilled		x	
Production history (related to the logistic or separate trade units, as appropriate)						
CLA310	Size grading method	Manual or mechanical (applicable only if graded by the landing business or first sale)	Manual			x
Transformation information						
CLA311	Related received trade unit IDs	List of the UTUIs of the received trade units that may be input to the created trade unit	50065300555555558 50065300555555559 50065300555555560	x		
Additional data						
CLA350	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
CREATED BY FIRST SALE						
Identity						
CLA401	Unit ID ^a	ULUI if auctioned as a logistic unit or UTUI if auctioned as a separate trade unit	50065300555555559	x		
Description						
CLA402	Freshness grade	Freshness grade, or ungraded	Grade A, Grade B, etc.			x
Additional data						
CLA450	(unassigned)	Further information elements that describe the auctioned trade/logistic unit, linked to UTUI/ULUI				x

^a The same unique ID for raw material/product will continue if there is no transformation.

^a The same unique ID for raw material/product will continue if there is no transformation.

Table 4 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
FOR EACH LOGISTIC UNIT CREATED BY LANDING BUSINESS OR FIRST SALE						
Identities						
CLA501	Logistic unit ID ^a	ULUI	50065300555555558	x		
CLA502	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit	50065300555555558 50065300555555559 50065300555555560	x		
Additional data						
CLA550-	(unassigned)	Further information elements that describe the created logistic unit, linked to ULUI				x
FOR EACH UNIT DISPATCHED (either as a logistic unit or a separate trade unit)						
Identity						
CLA601	Unit ID ^a	ULUI if dispatched as a logistic unit or UTUI if dispatched as a trade unit	50065300555555558 978817525.0766.000010274	x		
Production history						
CLA602	Landing or first sale temperature control method	Live (crab, lobster), iced, iced and refrigerated or refrigerated	Iced and refrigerated			x
CLA603	Landing or first sale temperature record	Temperature/time log (manual/automatic) of fish holding area for period between reception and dispatch	Series of temperature (°C) and time points 2 °C - 4 °C/6 h			x
Destination						
CLA604	Next food business ID	Unique national identification number for the transporter plus country prefix	Coastal roadways Vadakkal Fort Kochi PIN-682002, Kerala, India	x		
CLA605	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-10-28T07:20		x	
Additional data						
CLA650	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

^a The same unique ID for raw material/product will continue if there is no transformation.

^a The same unique ID for raw material/product will continue if there is no transformation.

6.5 Processors

For the purposes of this International Standard, *processors* are considered to be businesses that change the nature of crustacean products, by carrying out operations such as, beheading, peeling, deveining, cutting, or by treatments such as blanching or cooking. This includes both primary and secondary processors.

However, fishing vessels that carry out basic operations on the crustacean and retailers and caterers who prepare crustacean products for the consumer are not considered to be processors.

Processors create new trade units. Those units may incorporate ingredients other than crustacean products.

Table 5 — Detailed information requirements for processors

Data element		Description	Examples	Categorization		
				Shall	Should	May
PROCESSOR						
CPR101	Food business ID	Unique national identification number for the processor plus country prefix, as well as name and address of the food business that operates processing establishment	M/s.Abad fisheries Pvt. Ltd Kochangady Cochin-682002, Kerala, India	x		
CPR102	Processing establishment ID	Unique national identification number for the organization plus country prefix as well as name and address or GLN of processing establishment	M/s.Abad fisheries Pvt. Ltd Kochangady Cochin-682002, Kerala, India	x		
CPR103	HACCP/GMP certification	Names of crustacean quality or food safety GMP schemes by which processor is certified	ISO 22000:2005			x
CPR150-	(unassigned)	Further information elements that describe the organization, linked to processing establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CPR201	Unit ID ^a	ULUI if received as a logistic unit or UTUI if received as a separate trade unit	500653005555555558	x		
CPR202	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit (if received as a logistic unit)	500653005555555558 500653005555555559 500653005555555560	x		
Source						
CPR203	Previous food business ID	Unique national identification number for the pre-processor/ first sale plus country prefix as well as name and address of the food business from whom the unit was received (vessel, first sale or transporter, etc.)	Fishing harbour, 415 Thoppumpady Cochin PIN - 682005	x		
CPR204	Date and time of reception	Date and time of transfer from previous food business, ISO 8601 format	2010-10-28 T06:30		x	
Control checks (related to the logistic or separate trade units, as appropriate)						
CPR205	Temperature of unit when received	Temperature of unit °C	<5 °C		x	
CPR206	Unit temperature record	Temperature/time log (manual/automatic) if there is a recording device affixed to the unit	Series of temperature (°C)/date and time points in ISO 8601 format		x	
CPR207	Raw material supplier	Records of supplier	Name and address of the supplier	x		
CPR208	Control records / CCP record checks	Records of source with evidence stating that the raw material is free from food safety hazards	Food safety hazard control records Make necessary changes			x
Production history (for all activities between reception and processing)						
CPR209	Raw material storage temperature control method	Iced, iced and refrigerated or refrigerated	Iced and refrigerated			x
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 5 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CPR210	Raw material storage temperature record	Temperature/time log(manual/automatic) of storage area for period between reception and processing	Storage time and temperature (°C) -2 °C - 4 °C/6 h			x
Transformation information (for each trade unit)						
CPR211	Related created trade unit IDs	List of the UTUIs of the created trade units that may incorporate part of the received trade unit	60065300555555558 60065300555555559 60065300555555560	x		
Additional data						
CPR250-	(unassigned)	Further information elements that describe the received trade / logistic unit, linked to UTUI / ULUI				x
FOR EACH TRADE UNIT CREATED						
Identity						
CPR301	Trade unit ID	UTUI	60065300555555560	x		
Description						
CPR302	Type of unit	Description of physical type of unit (box or case of 10 retail packs, etc.)	Master Cartons			x
CPR303	Net weight	Weight of product (kg)	8,2 kg		x	
CPR304	Name/type of product	Descriptive name of product (IQF Shrimps,)	Cooked and frozen shrimps			x
CPR305	Product specification	Records of further details of product specification (quality and size grades, etc.) are available in electronic or paper form	Paper form IQF shrimp 21/25,31/40 etc.			x
CPR306	Species	LAT- followed by Latin name, or FAO- followed by FAO 3alpha code, or TSN- followed by Taxonomic Serial Number (may be repeated if several species)	LAT- <i>Fenneropenaeus indicus</i> FAO- PNI TSN- 551579		x	
CPR307	Primary production method	Captured	Captured	x		
CPR308	Area/ country of origin	FAO area/RFMO area for captured marine shrimp, or country of origin for captured shrimp from inland waters	57	x		
CPR309	Composition	List of names of ingredients and %'s by weight, including crustaceans	80 % shrimp, 20 % glaze			x
CPR310	Product condition	Ambient, chilled or frozen	Frozen			x
CPR311	Shelf life	Best before or sell by date, as appropriate, ISO 8601 format	Sell by 2011-10-30		x	
Production history						
CPR312	Process specification	Records of process specification are available in electronic or paper form	Paper			x
CPR313	Date and time of production	Time of packing/labelling at end of line, ISO 8601 format	2010-06-28T11:30:46		x	
CPR315	HACCP	Records of hazard analysis and critical control point checks are available in electronic or paper form	Paper			x
CPR316	Hygiene checks	Records of hygiene checks (swab tests, etc.) are available in electronic or paper form	Paper			x
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 5 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CPR317	Process temperature records	Records of temperatures (processes and process area) are available in electronic or paper form	Paper			x
Transformation information						
CPR318	Related received trade unit IDs that goes into the created trade unit	List of the UTUIs of the received trade units that may be input to the created trade unit	600653005555555560 600653005555555560 600653005555555563	x		
Additional data						
CPR350-	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CPR401	Logistic unit ID	ULUI	700653005555555560	x		
CPR402	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit	600653005555555561 600653005555555572 600653005555555583	x		
Additional data						
CPR450-	(unassigned)	Further information elements that describe the created logistic unit, linked to ULUI				x
FOR EACH UNIT DISPATCHED (either as a logistic unit or a separate trade unit)						
Identity						
CPR501	Unit ID ^a	ULUI if dispatched as a logistic unit or UTUI if dispatched as a trade unit	700653005555555560	x		
Production history (related to the logistic or separate trade units, as appropriate)						
CPR502	Product storage temperature control method	None, refrigerated or frozen storage	Frozen			x
CPR503	Product storage temperature record	Temperature/time log (manual/automatic) of product holding area for period between processing and dispatch	Series of temperature (°C) - - 20 °C ± 2 °C/6 months			x
Destination						
CPR504	Next food business ID	Unique national identification number for the transporter plus country prefix, as well as name and address of the food business to whom the unit is dispatched (transporter or wholesaler, etc.)	ABT Refrigerated Roadways, Broadway, Ernakulam Cochin - 682031, / Kinshipping company, W. Island Kochi/Choice Canning Co Boston, USA	x		
CPR505	Date and time of dispatch	Date and time in ISO 8601 format	2010-10-29T16:30		x	
Additional data						
CPR550-	(unassigned)	Further information elements that describe the dispatched trade / logistic unit, linked to UTUI / ULUI				x
^a The same unique ID for raw material/product will continue if there is no transformation.						

6.6 Transporters and store operators

6.6.1 Live crustacean

For the purposes of this International Standard, live crustacean transporters are considered to be businesses that provide the service of transporting live shell fish from the point of production through various stages until retail. They may operate at several stages in the distribution chain; transport between the point of harvest and processors. Transport may be by land, sea, or air.

Transporters of live crustacean do not break down or create trade units but may break down or create logistic units.

Table 6 — Detailed information requirements for live crustacean transporters and store operators

Data element		Description	Examples	Categorization		
				Shall	Should	May
LIVE CRUSTACEAN TRANSPORTERS AND STORE OPERATORS						
CTR101	Food business ID	Unique national identification number for the organization plus country prefix, as well as name and address of the food business that operates transport vehicle or vessel establishment	Unique national identification number, M/S ABT Transports CPC Building, Cochin 682029 Kerala, India	x		
CTR102	Transport vehicle or vessel ID	Name (if vessel) and registration number of vehicle or vessel, or unique national identification number for the organization plus country prefix as well as name and address of establishment, or GLN number	KL 07 2257	x		
CTR103	Transporter GMP certification	Names of crustacean quality or food safety GMP schemes by which transporter is certified	HACCP certification			x
CTR150-	(unassigned)	Further information elements that describe the organization, linked to transport vehicle ID or vessel establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CTR201	Unit ID ^a	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	70065300555555560	x		
CTR202	Trade unit IDs	If received as a logistic unit, the IDs of the trade units within the logistic unit	60065300555555561 60065300555555562 60065300555555563	x		
Source						
CTR203	Previous Food Business ID	Unique national identification number for the organization plus country prefix, as well as name and address of the food business that operates establishment	583, M/S ABT Transports CPC Building, Cochin 682029 Kerala, India	x		
CTR204	Date and time of reception	ISO 8601 format	2010-09-28T16.00		x	
Control checks (either on logistic or separate trade units)						
CTR205	Temperature check	Temperature in unit when received °C	+2.0°C		x	
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTR206	Temperature record	If recording device is affixed to batch, temperature/time record from creation of unit onward	Series of temperature (°C)/date and time points in ISO 8601 format		x	
Additional data						
CTR250	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW LOGISTIC UNIT CREATED BY TRANSPORTER						
Identities						
CTR301	Unit ID	ULUI	800653005555555560	x		
CTR302	Trade unit IDs	The IDs of the trade units within the logistic unit	700653005555555560 700653005555555561 700653005555555562	x		
Additional data						
CTR350-	(unassigned)	Further information elements that describe the created logistic unit, linked to ULUI				x
FOR EACH UNIT DISPATCHED (either as a logistic unit or a separate trade unit)						
Identity						
CTR401	Unit ID ^a	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	800653005555555560	x		
Production history						
CTR402	Temperature control method	None, iced, iced and refrigerated or refrigerated	Iced and refrigerated		x	
CTR403	Temperature record	Temperature/time (manual/automatic) log of the product holding area for the period between reception and dispatch	Series of temperature (°C)/date and time points ISO 8601 format			x
CTR404	Disinfecting date	Date of last disinfecting and data of the boat/truck or indication if records are available in electronic form, on paper or not available, ISO 8601 format	2010-01-20			x
CTR405	Water parameter record	Water parameter record (names and values) in crustacean carrier tank water during transport or indication if records are available in electronic form, on paper or not available	Paper form			x
CTR406	Crustacean density	Crustacean density in transport tank, kg crustacean per cubic meter water	54 kg/m ³			x
Destination						
CTR407	Next Food Business ID	Unique national identification number for the organization plus country prefix, as well as name and address of the food business to whom the unit is dispatched (transporter etc.)	405,M/s ABAD caterers ltd., Navi Mumbai Maharashtra, India	x		
CTR408	Place of delivery	If not at receivers address	405, M/s ABAD caterers ltd., Navi Mumbai Maharashtra, India		x	
CTR409	Date and time of dispatch	ISO 8601 format	2010-09-25T20:00		x	
Additional data						
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTR450-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x
^a The same unique ID for raw material/product will continue if there is no transformation.						

6.6.2 Crustaceans other than live

For the purposes of this International Standard, *transporters and store operators* are considered to be businesses that provide the service of transporting or storing goods. They may operate at various stages in distribution chains, transporting or storing raw materials or products. Transport may be by land, sea or air.

Transporters and stores do not break down or create trade units but may break down or create logistic units.

Table 7 — Detailed information requirements for transporters and cold store operators for Crustaceans other than live

Data element		Description	Examples	Categorization		
				Shall	Should	May
TRANSPORTERS OR STORE OPERATORS						
CTS101	Food business ID	Unique national identification number for the transporters/store operators plus country prefix or name and address of the food business that operates transport vehicle or storage establishment	M/s.CCI Reefer Corporation W. Island, Cochin 682029 Kerala, India	x		
CTS102	Transport vehicle or storage establishment ID	Unique national identification/registration number for the vehicle/storage establishment plus country prefix and name, or GLN	KL 07 AB 2662 – India M/s.Abad Frozen Store, Aroor	x		
CTS103	HACCP/ GMP Certification	Names of the food safety GMP schemes by which transporter or store operator is certified	ISO 22000:2005			x
CTS150-	(unassigned)	Further information elements that describe the organization, linked to transport vehicle ID or storage establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CTS201	Unit ID ^a	ULUI if collected or received as a logistic unit or UTUI if received as a separate trade unit	70065300555555560	x		
CTS202	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit (required only if received as a logistic unit and it is to be broken down or transformed by the transporter or store operator)	60065300555555561 60065300555555562 60065300555555560	x		
Source						
CTS203	Previous food business ID	Unique national identification number for the processor plus country prefix or name and address of the food business from whom the unit was received (vessel, first sale or processor, etc.)	649 M/s.Abad fisheries Pvt.Ltd Kochangady, Kerala, India Cochin-682002, Kerala,India	x		
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 7 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTS204	Date and time of reception	Date and time in ISO 8601 format	2010-07-29T16:00		x	
CTS205	Transfer ID from unit to other entity if any	Unique national identification of the logistic service provider	606	x		
CTS206	Place of collection	Unique national identification number for the organization plus country prefix, as well as name and address or GLN or approximate latitude and longitude if transferred at sea (this is required only for transporters)	M/s.Abad fisheries Pvt. Ltd Kochangady, Kerala, India		x	
Control checks (related to the logistic or separate trade units, as appropriate)						
CTS207	Temperature of unit when received	Temperature of unit °C	-20 °C ± 2 °C		x	
Additional data						
CTS250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW LOGISTIC UNIT PRODUCED BY TRANSPORTER OR STORE OPERATOR						
Identities						
CTS301	Logistic unit ID	ULUI	900653005555555560	x		
CTS302	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit	700653005555555560 700653005555555561 700653005555555562	x		
Additional data						
CTS350-	(unassigned)	Further information elements that describe the produced logistic unit, linked to ULUI				x
FOR EACH UNIT DISPATCHED (either as a logistic unit or a separate trade unit)						
Identity						
CTS401	Unit ID	ULUI if dispatched as a logistic unit or UTUI if dispatched as a trade unit	900653005555555560	x		
Production history (related to the logistic or separate trade units, as appropriate)						
CTS402	Transporter or store operators temperature control method	Frozen and refrigerated or refrigerated or ambient	- 20 °C ± 2 °C		x	
CTS403	Transporter or store operator temperature record	Temperature/time log (manual/automatic) of the crustacean holding area for the period between reception and delivery	Series of temperature (°C) - 20 °C ± 2 °C/5 h		x	
Destination						
CTS404	Next food business ID	Unique national identification number for the wholesaler or caterer plus country prefix, as well as name and address of the food business to whom the unit is dispatched (transporter or processor, etc.)	Unique national identification number, M/s. Choice seafoods Boston, USA	x		
CTS405	Date and time of dispatch	Date and time in ISO 8601 format	2010-07-29T20:00		x	
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 7 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTS406	Place of delivery	Unique national identification number for the organization plus country prefix, as well as name and address or GLN or approximate latitude and longitude if transferred at sea (this is required only for transporters)	650, M/s.Choice sea- foods Boston, USA		x	
Additional data						
CTS450-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x
^a The same unique ID for raw material/product will continue if there is no transformation.						

6.7 Traders and wholesalers

For the purpose of this International Standard *traders and wholesalers* are considered to be merchants who buy, sell and physically trade crustacean products to other businesses. They may operate at various stages in distribution chains, trading raw materials or products. They include cash-and-carry type businesses supplying retailers and caterers.

Some traders and wholesalers may create new trade units, by breaking down trade units they have received into smaller units or by picking and mixing individual crustacean products from a number of trade units they have received, in order to meet the needs of particular customers. However, traders and wholesalers do not change the nature of the crustacean products they trade, or they would be considered also to be processors.

Traders and wholesalers may also break down or create logistic units.

Table 8 — Detailed information for traders and wholesalers

Data element		Description	Examples	Categorization		
				Shall	Should	May
TRADERS OR WHOLESALERS						
CTW101	Food business ID	Unique national identification number for the organization plus country prefix or name and address or GLN of trading or wholesaling establishment	M/s.Joe patties sea- foods, South A St. and Main St, Pensacola, Florida	x		
CTW102	Traders or wholesalers establishment ID	Further information elements that describe the organization, linked to trading or wholesaling establishment ID	650, M/s.Choice sea- foods Boston, USA/M/s Excel Fish Distributors Market Road, Cochin 682031 Kerala, India	x		
CTW103	GMP certifica- tion	Names of crustacean quality or food safety GMP schemes by which trader or wholesaler is certified	Codex GMP			x
CTW150-	(unassigned)	Further information elements that describe the organization, linked to trading or wholesaling establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CTW201	Unit ID ^a	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	90065300555555560	x		
^a The same unique ID for raw material/product will continue if there is no transformation.						

Table 8 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTW202	Trade unit IDs	List of UTUI of the trade units that make up the logistic unit (required only if received as a logistic unit that is to be broken down by the trader or wholesaler)	700653005555555560 700653005555555561 700653005555555562	x		
Source						
CTW203	Previous food business ID	Unique national identification number for the processor/trader/vessel operator plus country prefix or name and address of the food business from whom the unit was received (first sale, processor or transporter, etc.)	M/s.CCI Reefer Corporation W. Island, Cochin 682029 Kerala, India	x		
CTW204	Date and time of reception	Date and time in ISO 8601 format	2010-10-25T13:45		x	
Control checks (related to the logistic or separate trade units, as appropriate)						
CTW205	Temperature check	Temperature of unit °C	-20 °C ± 2 °C		x	
CTW206	Temperature record	Temperature/time log (manual/automatic) (if there is a recording device affixed to the unit)	Series of temperature (°C), -20 °C ± 2 °C, 10 h.		x	
Additional data						
CTW250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW TRADE UNIT PRODUCED BY TRADER OR WHOLESALER						
Identity						
CTW301	Trade unit ID	UTUI	1000653005555555560	x		
Description						
CTW302	Type of unit	Description of physical type of unit (box or case of 10 retail packs, etc.)	Box		x	
CTW303	Product condition	Ambient or frozen	Frozen			x
For each different component part of trade unit						
CTW304	Received trade unit ID	The UTUI of the received trade unit from which the component was taken	1000653005555555561 1000653005555555562 1000653005555555563	x		
CTW305	Type of crustacean product	Identifying description or name of crustacean product	IQF shrimp			x
CTW306	Net weight	Weight of fishery product (kg)	1,8 kg			x
Additional data						
CTW350-	(unassigned)	Further information elements that describe the produced trade unit, linked to UTUI				x
FOR EACH NEW LOGISTIC UNIT PRODUCED BY TRADER OR WHOLESALER						
Identities						
CTW401	Unit ID ^a	ULUI	1000653005555555560	x		
CTW402	Trade unit IDs	List of UTUI of the trade units that make up the logistic unit	1000653005555555561 1000653005555555562 1000653005555555563	x		
Additional data						
CTW450-	(unassigned)	Further information elements that describe the produced logistic unit, linked to ULUI				x
^a The same unique ID for raw material/product will continue if there is no transformation.						