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BSI Standards Publication

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

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National foreword

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

*Traçabilité des produits crustacés — Spécifications relatives aux
informations à enregistrer dans les chaînes de distribution de
crustacés d'élevage*





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Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Abbreviated terms	2
5 Principle	3
6 Requirements	4
6.1 Identification of the units traded.....	4
6.2 Recording of information.....	4
6.3 Broodstock collectors/suppliers.....	5
6.4 Hatcheries/Nurseries.....	8
6.5 Crustacean farms.....	11
6.6 Processors.....	14
6.7 Transporters and store operators.....	18
6.7.1 Live crustaceans.....	18
6.7.2 Crustaceans other than live.....	20
6.8 Traders and wholesalers.....	23
6.9 Retailers and caterers.....	25
6.10 Bringing in materials from outside the domain.....	27
6.11 Crustacean feed producers.....	29
Bibliography	33

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).

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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 is to be traceable back to a hatchery and or farm 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 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 recommended to be recognized and taken into consideration when auditing against this International Standard and ought not to preclude compliance so as to disadvantage otherwise compliant operators. Where such mixing necessarily occurs, the food business has to 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 itemize all the information that can 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-standardized files, but keyed to the same unit IDs.

The information remains 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 standardized 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.

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

1 Scope

This International Standard specifies the information to be recorded in farmed crustacean supply chains in order to establish the traceability of products originating from farm raised crustaceans. It specifies how farmed 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 farm through to retailers or caterers.

The types of business identified in this International Standard for farmed crustacean distribution chains are the following:

- a) farming
 - 1) broodstock collection
 - 2) hatcheries and nurseries
 - 3) crustacean farm
 - 4) harvesting;
- b) processors;
- c) traders and wholesalers;
- d) retailers and caterers;
- e) logistics including materials brought from other domains;
- f) feed production.

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 origin of materials and parts,
- the processing history, and
- the distribution and location of the product after delivery.

[SOURCE: ISO 9000:2005, definition 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 Abbreviated terms

In this International Standard, the following abbreviations apply:

ACC	Aquaculture Certification Council
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
GAqP	Good Aquaculture Practices
GLN	Global Location Number, a 13 digit globally unique number provided by GS1 used to identify parties and physical locations
GMO	Genetically Modified Organism
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 to 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
OIE	World Organization for Animal Health
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 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 may 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 an LU identifier which is -, or may 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 International 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 harvester 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 farmed 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 12](#).

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

Category	Definition	Explanation
“shall”	This category contains recordings related to identifiers and transformations that are 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
Broodstock collectors/suppliers	3	CBR	—	—	TU / LU	TU / LU
Hatcheries/Nurseries	4	CHA	TU / LU	Yes	TU / LU	TU / LU
Crustacean farms	5	CFE	TU / LU	Yes	TU / LU	TU / LU
Processors	6	CPR	TU / LU	Yes	TU / LU	TU / LU
Live crustacean transporters	7.1	CTR	TU / LU	Yes	TU / LU	TU / LU
Transporters and cold store operators for crustaceans other than live	7.2	CTS	TU / LU	No	LU	TU / LU
Traders and wholesalers	8	CTW	TU / LU	No	TU / LU	TU / LU
Retailers and caterers	9	CRC	TU / LU	Yes	TU / LU	—
Bringing in materials from outside the domain	10	COT	TU / LU	—	TU / LU	TU / LU
Crustacean feed producers	11	CFE	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.

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 can 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 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 can 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 International Standard. The specifications may 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 except broodstock, 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 Broodstock collectors/suppliers

For the purposes of this International Standard, *broodstock suppliers* are considered to be

- establishments,
- individuals of similar interest forming a group,
- farmer groups, and

— fishermen.

The broodstock suppliers produce or collect broodstocks that are supplied to hatcheries for further maturation and production of larvae. They may carry out basic operations like collection and maintenance of broodstock under good management practices, in a sustainable way.

Prior to dispatch, broodstock suppliers may carry out their own operations or get it done through approved agencies/laboratories for absence of OIE listed diseases, quality, grading etc.

The trade units created by broodstock suppliers can range from a few hundred to several thousand passed into the hands of the next food business i.e. hatcheries.

Table 3 — Detailed information for broodstock — collectors/suppliers

Data element		Description	Examples	Categorization		
				Shall	Should	May
BROODSTOCK SUPPLIERS						
CBR101	Food business ID	Unique national identification number for the broodstock supplier plus country prefix or name and address of the group/business that operates maintenance of broodstock (either indigenous or exported)	Name, reg. no and country prefix	x		
CBR102	Broodstock supplier establishment ID	Unique national identification number for the group/unit/organization plus country prefix or name and address of the broodstock supplier	Women Self Help Group, Padanna, Kasargod, Kerala (PL suppliers)	x		
CBR103	Broodstock supplier GAP certification	Any Quality Certification Available	Norms suggested by National Competent Authority and aligned to Codex GAP			x
CBR150-	(unassigned)	Further information elements that describe the breeder, linked to broodstock supplier ID	Certified Wild Broodstock bank			x
FOR EACH TRADE UNIT CREATED						
Identity						
CBR201	Unit ID	UTUI	ID can be created for a batch with national prefix depending up on the area and time of collection	x		
Description						
CBR202	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-Fenneropenaeus indicus FAO-PNI TSN:551579		x	
CBR203	Area/country of origin	FAO area/RFMO area of the broodstock if captured from wild or country of origin for brood stock from farmed stock, or more specific location	51/57	x		
NOTE In case of broodstock collectors from wild, this requirement will be scored in the may column.						

Table 3 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CBR204	Health quality checks	Type of checks and measured results physical and microbiological or indication if records are available in electronic form, on paper, or not available	OIE listed diseases e.g. White spot virus			x
CBR205	GMO	Use of GMO in production or in feeding of broodstock Yes/No	No			x
Production history						
CBR206	Farm unit ID	ID no. of broodstock producer	M/s.xyz hatchery followed by unique national identification number	x		
CBR207	Broodstock maintenance record	Record showing water temperature, salinity, prophylaxis, water flow and other water quality parameters of broodstock maintenance to be kept by broodstock supplier	Temperature 26 °C salinity 22 ppt, water quality for aquaculture as per IS, ECO - PRO, 20 ppm (mg/kg) formalin, OXY-MORE			x
CBR208	Feeding record	Pelleted feed as per growth requirement	B543345, Avanthi feeds limited, India			x
Additional data						
CBR250-	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CBR301	Unit ID	ULUI	Unique national identification number or GS1 number for the logistic unit	x		
CBR302	Trade unit IDs	The IDs of the trade units within the logistic unit	Unique national identification number or GS1 number for the trade unit	x		
Additional data						
CBR350-	(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						
CBR401	Unit ID	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	40065300555555558	x		
Destination						
NOTE In case of broodstock collectors from wild, this requirement will be scored in the may column.						

Table 3 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CBR402	Next Food Business ID	Unique national identification number for the hatchery plus country prefix and address	342, M/s. Anandha hatchery Andhra Pradesh, India	x		
CBR403	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-09-25T12:15		x	
Additional data						
CBR450-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x
NOTE In case of broodstock collectors from wild, this requirement will be scored in the may column.						

6.4 Hatcheries/Nurseries

For the purposes of this International Standard, *hatcheries/nurseries* are considered to be businesses that receive broodstock, maintain them, induce spawning and produce nauplii/post larvae and dispatch to other hatcheries/nurseries/crustacean farms for further rearing.

The hatcheries/nurseries may change the nature of crustacean products, by carrying out operations such as feeding, grading, treatments, etc. Hatcheries/nurseries create new trade units that can range from a few thousands to several million post larvae passed into the hands of the next food business.

Table 4 — Detailed information for hatcheries/nurseries

Data element		Description	Examples	Categorization		
				Shall	Should	May
HATCHERY/NURSERY						
CHA101	Hatchery/Nursery establishment ID	Unique national identification number for the hatchery plus country prefix or name and address of the food business that operates hatchery establishment	Unique national identification number/GS1 342, M/s. Anandha hatchery Andhra Pradesh, India	x		
CHA102	Hatchery/Nursery GAqP certification	Name(s) of quality or food safety GAqP schemes by which hatchery is certified	National Competent Authority as assigned to/National Competent Authority as assigned to/Codex GAqP for hatchery/hatchery HACCP			x
FOR EACH UNIT RECEIVED						
Identities						
CHA201	Unit ID*	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	40065300555555558	x		
CHA202	Trade unit IDs	If received as a logistic unit, the IDs of the trade units within the logistic unit	400653005555555560 400653005555555561 400653005555555562	x		
Source						

Table 4 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CHA203	Previous Food Business ID	Unique national identification number for the broodstock supplier plus country prefix or name and address of the food business that operates breeding company or transporter	Women Self Help Group, Padanna, Kasargod, Kerala (PL suppliers)	x		
CHA204	Date and Time of reception	ISO 8601 format/Movement records	2010-11-23T0.10:10		x	
Control checks (either on logistic or separate trade units)						
CHA205	Temperature check	Temperature °C in UTUI or ULUI received	26°C		x	
CHA206	Survival record	Mortality of broodstock, larvae or in %	2 %, 5 %, 50 % etc.			x
CHA207	Quality control checks	Type of checks and measured results, or indication if records are available in electronic form, on paper or not available	Test results for OIE listed diseases/Paper			x
Transformation information						
CHA208	Related created trade unit IDs	List of IDs of created trade units that may incorporate part of this	Unique national ID/GS1 number	x		
CHA209	Fractions	Fraction of received trade unit that go into each created unit	UTUI-1 33 %, UTUI-2 33 %, UTUI-3 33 %		x	
Additional data						
CHA250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW TRADE UNIT CREATED						
Identity						
CHA301	Unit ID	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	Unique national ID/GS1 number	x		
Description						
CHA302	Hatching date	Date of hatching	2010-11-09			x
CHA303	Age	Number of days after hatching	PL-14			x
Production history						
CHA304	Larval tank ID	Larval rearing tank number of the rearing unit	15		x	
CHA305	GAqP records	Records of disinfection of reservoirs, water filtration units, rearing tanks etc. or indication if records are available in electronic form, on paper, or not available	Paper/electronic			x

Table 4 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CHA306	Disease record	Records of names and period of diseases, or indication if records are available in electronic form, on paper, or not available	Paper		x	
CHA307	Treatment record	Medicine or chemical names and period of use or indication if records are available in electronic form, on paper, or not available	Approved medication records, paper		x	
CHA308	Larvae hatch fecundity (LHF)	Number of larvae that hatched out from one female in the production batch	150000-30000 Nos			x
CHA309	Larval density record	Record of stocking density of larvae in tanks	Nos./m3			x
CHA310	Feeding record	Type of feed	Micro algae culture			x
CHA311	Hatchery certification scheme	Name of National/International GMP or GHP scheme by which the hatchery is certified	National Competent Authority			x
CHA312	Certifying body identifier	Name and authorization of the certifying body	National Competent Authority or unique identification number of the certifying body			x
Transformation information						
CHA313	Trade unit ID of broodstock received	List of IDs of received trade units that make up this created trade unit	Unique identification number of the broodstocks received	x		
CHA314	Fractions	Fraction (%) of the created unit that was made up by each received trade unit	UTUI 1 – 50 % UTUI 2 – 50 %		x	
Additional data						
CHA350-	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CHA401	Unit ID	ULUI	40065300555555558	x		
CHA402	Trade unit IDs	The IDs of the trade units within the logistic unit	400653005555555561 400653005555555562 400653005555555563	x		
Additional data						
CHA450-	(unassigned)	Further information elements that describe the created logistic unit linked to ULUI				x
FOR EACH UNIT DISPATCHED						
Identity						
CHA501	Unit ID*	UTUI	40065300555555558	x		
Destination						

Table 4 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CHA502	Next food business ID	Unique national identification number for the farm plus country prefix or name and address of the food business to where the unit is dispatched (transporter or farm, etc.)	M/s.CPAqua farm ltd, Nellore Andhra Pradesh, India	x		
CHA503	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601format	2010-10-29T13:00		x	
Additional data						
CBHA550-	(unassigned)	Further information elements that describe the dispatched trade/ logistic unit, linked to UTUI/ULUI				x

6.5 Crustacean farms

For the purposes of this International Standard, *crustacean farms* are considered to be businesses that receive crustacean larvae from hatcheries and natural seed collectors and keep it during the growing stage and dispatch the grown crustacean at required quantity to the processor/trader, etc.

The crustacean farms may change the nature of crustacean products by carrying out operations such as feeding, grading, etc. Crustacean farms create new trade units that can range from a few tons to several hundred tons passed into the hands of the next food business.

Table 5 — Detailed information for crustacean farms

Data element		Description	Examples	Categorization		
				Shall	Should	May
CRUSTACEAN FARMS						
CFF101	Crustacean farm ID	Unique national identification number for the farm plus country prefix or name and address of the food business that operates the crustacean farm establishment	M/s.CP Aqua farm ltd, Nellore, Andhra Pradesh, India	x		
CFF102	Certification	Name of crustacean aquaculture certification scheme by which the crustacean farm is certified	National Competent Authority or any National or International certification scheme			x
CFF150-	Unique Identification number of certifying agency	Unique Identification number or address of certifying agency and authorization	M/s.Xyz, INDOCERT, Aluva Quality Council of India			x
FOR EACH UNIT RECEIVED						
Identities						
CFF201	Unit ID*	ULUI or UTUI of the seed (PL) received	500653005555555558	x		

Table 5 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CFF202	Trade unit IDs	If received as a ULUI, the IDs of trade units within the logistic unit	40065300555555558 40065300555555559 40065300555555560	x		
Source						
CFF203	Previous Food Business ID	Unique national identification number for the hatchery plus country prefix or name and address or GLN of previous food business from whom the unit was received (hatchery or transporter, etc.)	M/s. Anand hatchery, Bhimavaram, Andhrapradesh, India	x		
CFF204	Date and time of reception	Movement records	2010-10-28T16:45		x	
Control checks (either on logistic or separate trade units)						
CFF205	Temperature check	Temperature °C in the received unit	20 °C		x	
CFF206	Health checks/Quality control checks	Types of checks done on units received and whether records are available in electronic or paper form	Paper, OIE listed diseases and prohibited antibiotics, quality of seed and mortality upon receipt			x
Transformation Information						
CFF207	Related created trade unit IDs*	List of IDs of created trade units that may incorporate part of this received trade unit	50065300555555558	x		
CFF208	Fractions	Fraction (%) of the received trade unit that go into each created unit	UTUI-1 25 % UTUI-2 75 %		x	
Additional data						
CFF250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW TRADE UNIT CREATED BY CRUSTACEAN FARM						
Identity						
CFF301	Unit ID*	UTUI	50065300555555558	x		
Description						
CFF302	Location of crustacean farm	Longitude and Latitude or other appropriate specification	L&L details of location of the farm		x	
CFF303	Count/kg	Nos.	10 – 20/20 - 30 etc.			x
CFF304	Total quantity per batch	Quantity in each batch traded	2 tons, 5 tons etc.			x
Production history						
CFF305	Farm unit ID	Internal number of pond	Pond no-15, Pond no-20, etc.	x		

Table 5 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CFF306	Temperature record	Temperature/time log (manual/automatic) of the product holding area (pond/raft/cage) for the period between reception and dispatch	(°C)/date and time points			x
CFF307	Density	Stocked crustacean density in farm that went in to the created trade unit, No/m ² ; kg/m of rope etc.	Desirable no.			x
CFF308	Disease record	Records of names and period of diseases, or indication if records are available in electronic and paper form	Paper		x	
CFF309	Treatment record	Medicine or chemical names and period of use or indication if records are available in electronic and paper form	200 ppm (mg/kg) oxytetracycline immersion, 2010-10-01 – 2010-10-10		x	
CFF310	Feeding record	Type of feed	Natural feed/supplementary feed			x
CFF311	Aquaculture certification scheme	National or International certification scheme for farming area	National Competent Authority, BAP, ACC, Global GAP etc.			x
CFF312	Chilling	Ratio of ice	1:1			x
CFF313	Live crustaceans	Temperature and relative humidity	15°C carton with moistened saw dust			x
CFF314	Certification scheme	Unique national identification number of the certification scheme	23543			x
Transformation information						
CFF315	Related received trade unit IDs*	List of IDs of received trade units that make up this created trade unit	50065300555555558	x		
CFF316	Fractions	Fraction (%’s + kilos) of the created unit that was made up by each received trade unit	UTUI-1 50 % UTUI-2 50 %		x	
Additional data						
CFF350-	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CFF401	Unit ID*	UTUI for the product created by the farm	50065300555555558	x		
CFF402	Trade unit IDs	The IDs of the trade units within the logistic unit	50065300555555558 50065300555555559 50065300555555560	x		
Additional Data						
CFF450-	(unassigned)	Further information elements that describe the created logistic unit, linked to ULUI				x

Table 5 (continued)

Data element	Description	Examples	Categorization			
			Shall	Should	May	
FOR EACH UNIT DISPATCHED (either as a logistic or separate trade unit)						
Identity						
CFF501	Unit ID*	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	500653005555555558	x		
Destination						
CFF502	Next Food Business ID	Unique national identification number for the processor /trader/caterer plus country prefix or name and address of the food business to whom the unit is dispatched (transporter or processor, etc.)	M/s. Abad fisheries Pvt. Ltd Kochangady Cochin-682002, Kerala, India	x		
CFF503	Temperature check	Temperature (°C) of unit at time of dispatch	4°C			x
CFF504	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-10-15T18:00		x	
Additional data						
CFF550-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

6.6 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.

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 6 — 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		

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
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*	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/ farm/ 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.)	M/s. CPAqua farm ltd, Nellore Andhra Pradesh, India	x		
CPR204	Date and time of reception	Date and time of transfer from previous food business, ISO 8601 format	2010-10-28T06:30		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	
CPR 207	Raw material Source	Records of source	UI of farm/first sales	x		
CPR 208	Control Records/CCP record checks	Records of source	Raw material receiving records			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
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)						

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CPR211	Related created trade unit IDs	List of the UTUIs of the created trade units that may incorporate part of the received trade unit	600653005555555558 600653005555555559 600653005555555560	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	600653005555555560	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	Farmed	Farmed	x		
CPR308	Area/country of origin farm ID	FAO area/RFMO area for marine shrimp, or country of origin for shrimp from inland waters and for farmed shrimp	57/farm UI	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	
CPR312	GMO (in case of farmed)	Use of any GMO or products from GMO in product or Raw material	No			x
Production history						
CPR313	Process specification	Records of process specification are available in electronic or paper form	Paper			x
CPR314	Date and time of production	Time of packing/labelling at end of line, ISO 8601 format	2010-06-28T11:30:46		x	

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
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
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	60065300555555560 60065300555555560 60065300555555563	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	70065300555555560	x		
CPR402	Trade unit IDs in logistic unit	List of UTUIs of the trade units that make up the logistic unit	60065300555555561 60065300555555572 60065300555555583	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*	ULUI if dispatched as a logistic unit or UTUI if dispatched as a trade unit	70065300555555560	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						

Table 6 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
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	CPR550-			x

6.7 Transporters and store operators

6.7.1 Live crustaceans

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

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

Table 7 — Detailed information requirements for live crustacean transporters and store operators

Data element		Description	Examples	Categorization		
				Shall	Should	May
LIVE CRUSTACEAN TRANSPORTERS						
CTR101	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	Unique national identification number, M/S ABT Transports CPC Building, Cochin 682029 Kerala, India	x		
CTR102	Transport vehicle ID	Name and registration number of vehicle, 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

Table 7 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CTR150-	(unassigned)	Further information elements that describe the organization, linked to transport vehicle ID or establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CTR201	Unit ID*	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 hatchery or crustacean farm establishment	M/s.CPAqua farm ltd, Nellore Andhra Pradesh, 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	
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	80065300555555560	x		
CTR302	Trade unit IDs	The IDs of the trade units within the logistic unit	70065300555555560 70065300555555561 70065300555555562	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*	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	80065300555555560	x		

Table 7 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
Production history						
CTR402	Temperature control method	No need, 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's 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 or fish farm, 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						
CTR450-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

6.7.2 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 8 — Detailed information requirements for transporters and cold store operators for crustaceans other than live

Data element		Description	Examples	Categorization		
				Shall	Should	May
TRANSPORTERS OR COLD 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*	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.)	M/s.Abad fisheries Pvt.Ltd Kochangady, Kerala, India Cochin-682002, Kerala, India	x		
CTS204	Date and time of reception	Date and time in ISO 8601 format	2010-07-29T16:00		x	
CTS205	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						

Table 8 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
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	
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 seafoods Boston, USA		x	
Additional data						
CTS450-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

6.8 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 9 — Detailed information for traders and wholesalers

Data element		Description	Examples	Categorization		
				Shall	Should	May
TRADERS OR WHOLESALERS						
CTW101	Trader or wholesaler establishment ID	Unique national identification number for the organization plus country prefix or name and address or GLN of trading or wholesaling establishment	650,M/s. Choice seafoods Boston, USA/ M/s Excel Fish Distributors Market Road, Cochin 682031 Kerala, India	x		
CTW102	GMP certification	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*	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	90065300555555560	x		
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)	70065300555555560 70065300555555561 70065300555555562	x		
Source						
CTW203	Previous food business ID	Unique national identification number for the processor/trader/farm 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	

Table 9 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
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, 10h		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 WHOLESALE						
Identity						
CTW301	Trade unit ID	UTUI	100065300555555560	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	100065300555555561 100065300555555562 100065300555555563	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 WHOLESALE						
Identities						
CTW401	Unit ID*	ULUI	100065300555555560	x		
CTW402	Trade unit IDs	List of UTUI of the trade units that make up the logistic unit	100065300555555561 100065300555555562 100065300555555563	x		
Additional data						
CTW450-	(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						
CTW501	Unit ID*	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a trade unit)	100065300555555560	x		

Table 9 (continued)

Data element	Description	Examples	Categorization			
			Shall	Should	May	
Production history (related to the logistic or separate trade units, as appropriate)						
CTW502	Trader or wholesaler temperature control method	Iced, iced and refrigerated, or refrigerated	Iced and refrigerated			x
CTW503	Trader or wholesaler temperature record	Temperature/time log (manual/automatic) of product holding area for period between reception and dispatch	Series of temperature (°C)/ -20 °C ± 2 °C, 10h (frozen), 2 °C ± 2 °C/2 h (chilled)			x
Destination						
CTW504	Next food business ID	Unique national identification number of the retailer/customer plus country prefix or name and address of the food business to whom the unit is dispatched (transporter, processor or retailer, etc.)	Unique national identification number, M/s Blue Water Fish Traders, 36/3505, Ernakulam fish Market Market Road, Cochin 682031	x		
CTW505	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-07-30T07:00		x	
Additional data						
CTW550-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

6.9 Retailers and caterers

For the purposes of this International Standard, *retailers and caterers* are considered to be suppliers to the public, not to other businesses. They are likely to break down trade units received and may change the nature of crustacean products by preparing them for their customers. Some may package and label the items sold. Retailers and caterers are encouraged to record information on their sales, but the scope of this International Standard does not extend to sale to the public.

Table 10 — Detailed information for retailers and caterers

Data element	Description	Examples	Categorization			
			Shall	Should	May	
RETAILER OR CATERER						
CRC101	Retail or catering establishment ID	Unique national identification number for the organization plus country prefix as well as name and address or GLN of retail/catering establishment	Unique national identification number, M/s Blue Water Fish Traders, 36/3505, Ernakulam fish Market Market Road, Cochin 682031	x		
CRC102	Processor GMP certification	Names of crustacean quality or food safety GMP schemes by which retailer or caterer is certified	Codex GMP			x

Table 10 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CRC150-	(unassigned)	Further information elements that describe the organization, linked to retail or catering establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CRC201	Unit ID*	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	100065300555555560	x		
CRC202	Trade unit IDs	If received as a logistic unit, the IDs of the trade units within the logistic unit	100065300555555561 100065300555555562 100065300555555563	x		
Source						
CRC203	Previous Food Business ID	Unique national identification number for the organization plus country prefix as well as name and address or GLN of previous food business from whom the unit was received (processor, wholesaler or transporter, etc.)	Unique national identification number, M/s Blue Water Fish Traders, 36/3505, Ernakulam fish Market		x	
CRC204	Date and time of reception	ISO 8601 format	2010-06-20T10:34		x	
Control checks (either on logistic or separate trade units)						
CRC205	Temperature check	Temperature of unit °C at reception	4 °C		x	
CRC206	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						
CRC250-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH TRADE UNIT HELD FOR SALE						
Identity						
CRC301	Unit ID*	UTUI	100065300555555561 100065300555555562 100065300555555563	x		
Production history (related to the logistic or separate trade units, as appropriate)						
CRC302	Temperature control method	None, iced, refrigerated, iced and refrigerated, etc.	Iced and refrigerated			x
CRC303	Temperature record	Temperature/time log (manual/automatic) of product storage area for period between reception and sale	Series of temperature (°C)/ date and time points in ISO 8601 format			x
Additional data						
CRC350-	(unassigned)	Further information elements that describe the trade unit held for sale, linked to UTUI				x

6.10 Bringing in materials from outside the domain

The following information requirements apply to crustaceans and materials received from businesses that are not operating to these specifications. This includes the supply of non-crustacean ingredients to broodstock, hatcheries, crustacean farms, processors and crustacean feed producers. These requirements replace those under the heading for each unit received, sub-heading identities, in each of the respective tables above, and are additional to the other requirements tabulated. They both identify and provide a description of the received units.

Table 11 — Bringing in materials from outside the domain

Data element		Description	Examples	Categorization		
				Shall	Should	May
FOR EACH UNIT RECEIVED FROM OUTSIDE THE DOMAIN						
Identities						
COT101	Unit ID	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit or each item other than shellfish brought from outside the domain)	Unique national identification number (00) 10065300555555558 918817525.0766.000010273 918817525.0766.000010274 918817525.0766.000010275	x		
COT102	Trade unit IDs	If received as a logistic unit, the IDs of the trade units within the logistic unit	918817525.0766.000010273 918817525.0766.000010274 918817525.0766.000010275	x		
COT150-	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH TRADE UNIT RECEIVED FROM OUTSIDE THE DOMAIN						
General description						
COT201	Creator of unit	Name, address and national unique identification number or EAN code of establishment.	xxx.xxxxxx.xxxxxx. M/s.Aditya polymers, Near NH 49, Uduppi, Karnataka, India xxx.xxxxxx.xxxxxx M/s.Xyz Artemia cyst suppliers Hapa,Gujarath, India xxx.xxxxxx.xxxxxx M/s.Dynamic orbits Connaught place New Delhi, India	x		
COT202	Creator's GMP certification	Names of certification schemes.	Codex			x
COT203	Type of unit	Packing materials, additives etc.	Insulated box/cartons Polyfilm bundle 100kg, Polyphospahte 10kg polythene lined bag etc.			x
COT204	Net weight	Net weight of received trade unit (kg)	10 kg, 100 kg, 500 kg etc.		x	
COT205	Product condition	Ambient, chilled, or frozen	Polyphosphates at ambient temperature		x	
NOTE The same unique ID for raw material/product will continue if there is no transformation.						

Table 11 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
COT250-	(unassigned)	Further information elements that describe each trade unit, linked to UTUI				x
Further description of each trade unit for use in crustacean hatcheries and farms						
COT301	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>Artemia salina</i> FAO- AMS TSN-83691 Dried polychaete worms		x	
COT302	Primary production method	Farmed	Farmed in case of artemia	x		
COT303	Area/country of origin	Unique identification number of the farm	xxx.xxxxxx.xxxxxx 57 xyz farm Tutukudy, Tamilnadu, India	x		
COT350-	(unassigned)	Further information elements that describe each fishery product trade unit, linked to UTUI				x
Further description of each trade unit for packaging of crustacean products						
COT401	Name/type of product	Commercial product name	Polythene films 150 gauge			x
COT402	Product code	HS code for product type	0305410000			x
COT403	Composition	Chemical composition	Food grade Polyethylene 100 %			x
COT404	Date and time of production	ISO 8601 format	2010-06-23T12:50			x
COT450-	(unassigned)	Further information elements that describe each processed fishery product trade unit, linked to UTUI				x
Further description of each trade unit for ingredients to be incorporated in processed crustacean products						
COT501	Name/type of ingredient	Descriptive name of ingredient (salt, olive oil, bread-crumbs, or potato flakes, etc).	Food grade salt			x
COT502	Composition	List of scientific names and %'s by weight	NaCl 100 %			x
COT503	Shelf life	Best before or sell by date, as appropriate, ISO 8601 Format	Best before 2010-09-23			x
COT550-	(unassigned)	Further information elements that describe each ingredient, linked to UTUI				x
NOTE The same unique ID for raw material/product will continue if there is no transformation.						

Table 11 (continued)

Data element	Description	Examples	Categorization			
			Shall	Should	May	
Further description for preservation method - ice, medicine, chemical treatment						
COT601	Name/type of product	Commercial product name	Aquaneem - 10x		x	
COT602	Date of durability	Best before or sell by date, as appropriate, ISO 8601 format	Best before 2010-09-25		x	
COT603	Production date	Time of packing/labelling at end of line, ISO 8601 format	02-07-2002		x	
COT604	Composition	List of scientific names and %'s by weight				x
COT650-	(unassigned)	Further information elements that describe each ingredient, linked to UTUI				x
NOTE The same unique ID for raw material/product will continue if there is no transformation.						

6.11 Crustacean feed producers

For the purposes of this International Standard, crustacean feed producer are considered to be businesses that produce crustacean feed based on an indefinite range of ingredients. They may be considered as an equivalent to the processors but will be presented as a separate link in this International Standard. Crustacean feed producers create new trade units that can range from one feed bag to bulk units of several hundreds of tons passed into the hands of the next food business.

Table 12 — Detailed information for crustacean feed production

Data element	Description	Examples	Categorization			
			Shall	Should	May	
CRUSTACEAN FEED						
CFE101	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 feed company	401,M/s.Aquafeed Manufacturer Thoothukudy Tamilnadu, India	x		
CFE102	Feed producer certification scheme	Names of certification standard and agency	FSMS, INDOCERT, Aluva			x
CFE150-	(unassigned)	Further information elements that describe the organization, linked to feed producer establishment ID				x
FOR EACH UNIT RECEIVED						
Identities						
CFE201	Unit ID	ULUI (if received as a logistic unit) or UTUI (if received as a separate trade unit)	20065300555555558 20065300555555559 20065300555555560	x		
CFE202-	(unassigned)	Further information elements that describe the organization, linked to feed producer establishment ID				x

Table 12 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
Source						
CFE203	Previous Food Business ID	Unique national identification number for the organization plus country prefix as well as name and address or GLN of food business that operates fish meal/oil etc. producer establishment	M/s.Xyz, Fish meal plant, Mangalore, India	x		
CFE204	Date and time of reception	ISO 8601 format	2010-10-31T14:15		x	
Control checks (either on logistic or separate trade units)						
CFE205	Quality control checks, GMP certification	Type of checks and measured results (organoleptic, physical, chemical, and microbiological, etc) or indication if records are available in electronic form, on paper or not available GMP Certificate from accredited agency	Yes, paper form BIS			x
Production history						
CFE206	Temperature / Humidity record	Temperature/time log (manual/automatic) of the product holding area for the period between reception and processing	Series of temperature (°C/date and time points in ISO 8601 format			x
Transformation information						
CFE207	Related created trade unit IDs*	List of ID"s of created trade units that may incorporate part of this received trade unit.	20065300555555558 20065300555555559 20065300555555560	x		
CFE208	Fractions	Fraction (% , kilos) of the received trade unit that go into each created unit	UTUI-1- 33 %, UTUI-2- 33 %, UTUI-3- 33 % UTUI-4- 1 %		x	
Additional data						
CFE250	(unassigned)	Further information elements that describe the received trade/logistic unit, linked to UTUI/ULUI				x
FOR EACH NEW TRADE UNIT CREATED						
Identity						
CFE301	Unit ID	UTUI	30065300555555558 20065300555555559 20065300555555560	x		
Description						
CFE302	Net weight	Net weight of created trade unit (kg)	10 kg			x
CFE303	Type of unit	Bags, bulk, etc.	Bulk		x	
CFE304	Name/type of product	Starter, grower, finisher, etc	Avanti Starter		x	
CFE305	Production date	Time of packing/labelling at end of line, ISO 8601 format	2010-10-15 SSF120		x	

Table 12 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CFE306	Product form	Meal, pellets, pellets size etc.	Pellets, 2.5 mm to 5.0 mm			x
CFE307	Composition	List of ingredient names and % by weight	Fishmeal: 33 % Soy meal: 33 % Wheat flour 33, Vitamin, Mineral mixture 1 %			x
CFE308	GMO	Any use of GMO or products from GMO in product or raw material; Yes or No	No			x
CFE309	Shelf life	Best before or sell by date, as appropriate, ISO 8601 format	Best before 2011-02-15		x	
CFE310	Product specification	Records of further details of product specification are available in electronic form, on paper or not available	Paper			x
CFE311	Marine species used for fish meal production	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>Sardinella longiceps</i> FAO-IOS TSN-551453			x
CFE312	Animal Ingredients/ other ingredients used in crustacean feed production	Yes/No, If yes: LAT- followed by latin name, or FAO followed by FAO 3alpha code, or TSN-followed by Taxonomic Serial Number	Yes <i>Artemia salina</i>		x	
Production history						
CFE313	Area/country of origin	FAO area/RFMO area for farmed fish, or more specific location (may be several areas)	51	x		
CFE314	Process specification	Records of process specification are available in electronic form, on paper or not available	Paper			x
CFE315	HACCP and Pre-requisites	Records of hazard analysis and critical control point checks are available in electronic form, on paper, or not available	Paper			x
CFE316	Product quality control checks	Type of checks and measured results (organoleptic, physical, chemical and microbiological, etc) or indication if records are available in electronic form, on paper, or not available	Total Fungal Count, 23 cfu/g Aflatoxin			x
Transformation information						
CFE317	Related received trade unit IDs	List of ID's of received trade units that make up this created trade unit	20065300555555558 20065300555555559 20065300555555560	x		

Table 12 (continued)

Data element		Description	Examples	Categorization		
				Shall	Should	May
CFE318	Fractions	Fraction (% + kilos) of the created unit that was made up by each received trade unit	UTUI-1- 33 %, UTUI-2- 33 %, UTUI-3- 33 % UTUI-4- 1 %		x	
Additional data						
CFE350-	(unassigned)	Further information elements that describe the created trade unit, linked to UTUI				x
FOR EACH LOGISTIC UNIT CREATED						
Identities						
CFE401	Unit ID*	UTUI	30065300555555558	x		
CFE402	Trade unit IDs	The IDs of the trade units within the logistic unit	30065300555555558 30065300555555559 30065300555555560	x		
Additional data						
CFE450-	(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						
CFE501	Unit ID*	ULUI (if dispatched as a logistic unit) or UTUI (if dispatched as a separate trade unit)	30065300555555558	x		
Production history						
CFE502	Temperature/ Humidity record	Temperature/time log (manual/automatic) of the product holding area for the period between processing and dispatch	Series of temperature (°C)/date and time points in ISO 8601 format		x	
Destination						
CFE503	Next Food Business ID	Unique national identification number for the farm plus country prefix as well as name and address of the food business to whom the unit is dispatched (transporter hatchery or farmed crustaceans, etc.)	M/s.Xyz Farm Kollam, Kerala, India	x		
CFE504	Date and time of dispatch	Date and time of transfer to next food business, ISO 8601 format	2010-06-20T14:15		x	
Additional data						
CFE550-	(unassigned)	Further information elements that describe the dispatched trade/logistic unit, linked to UTUI/ULUI				x

Bibliography

- [1] Canadian Food Traceability Data Standard, Agriculture and Agri-food Canada
- [2] Codex Alimentarius, CAC/GL 60-2006, Principles for Traceability/Product Tracing as a Tool Within a Food Inspection and Certification System
- [3] CODEX ALIMENTARIUS CCFICS 2003, Discussion paper on traceability/product tracing in the context of food import and export inspection and certification systems
- [4] Council Conclusions on safety of imported agricultural and Agri-food products and compliance with Community rules, Council of the European Union
- [5] Council Regulation (EC) No 104/2000 of 17 December 1999 on the common organisation of the markets in fishery and aquaculture products
- [6] CWA 14660 (2003) Traceability of fishery products — Specification of the information to be recorded in captured fish distribution chains
- [7] Fishery Check list, Friend of the Sea
- [8] Global GAP standard
- [9] GS1 Global Traceability Standard Issue 1.3.0, November 2012
- [10] Implementing Traceability in the Food Supply Chain, CIES — The Food Business Forum, January 2005
- [11] International Food Standard (IFS)
- [12] ISO 12875:2011, *Traceability of finfish products — Specification on the information to be recorded in captured finfish distribution chains*
- [13] ISO 22005:2007, *Traceability in the feed and food chain — General principles and basic requirements for system design and implementation*
- [14] Magnuson-Stevens Fishery Conservation and Management Act, US
- [15] Publicly Available Specification, PAS 72 Responsible fishing — Specification of good practice for fishing vessels British Standards (Seafish Industry Authority)
- [16] Using Traceability in the Supply Chain to meet Consumer Safety Expectations, Efficient Consumer Response — ECR Blue Book
- [17] 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
- [18] Technical Standard for Companies Supplying Retailer Branded Food Products, British Retail Council – BRC
- [19] US-FDA [National Shellfish Sanitation Program \(NSSP\) Guide for the Control of Molluscan Shellfish: 2009 Revision](#)

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