



COORDINATING WORKING PARTY ON FISHERY STATISTICS

Intersessional Fishery Subject Group Meeting

Swakopmund, Namibia 25-27 February 2015

Fisheries Commodities classification and related statistics

Author: FAO

The document briefly describes the progress made in relation to the classifications and methodologies utilized mainly for statistics on fish and fisheries commodities, which includes the revision of two international classifications of commodities (HS and CPC), on-going preparation for the survey of the conversion factors and FAO's consideration toward modifying the structure of ISSCFC. While the first three items are for information, FAO seeks for feedbacks and advices from CWP Members.

Revision of the Harmonized System for Fishery Commodities

The Harmonized Commodity Description and Coding System, commonly referred to as the Harmonized System (HS), is used as a basis for the collection of customs duties and international trade statistics by more than 200 countries. Over 98 percent of the merchandise in international trade is classified in terms of the HS. This classification has been developed, introduced and maintained by the World Customs Organization (WCO). Since its introduction and general adaptation in 1988, the HS classification has undergone regular reviews. The present version is the HS2012 and the next one will be the HS2017. Both versions reflect the FAO joint proposal to WCO for the revision of the codes related to agriculture, forestry and fishery products.

In the 2012 revision, within the limits of the available codes, the classification for fishery products (which included only 120 codes in HS2007) was significantly restructured according to main groups of species of similar biological characteristics. About 190 amendments were implemented, with 90 new commodities (species by different product form) introduced. The reason behind these amendments was due to the insufficient coverage in the classification of fisheries species originating in developing countries or in the Southern hemisphere, as well as the level of detail for processing of selected traded products.

Due to the relevance of HS, FAO continued its collaboration with WCO in view of further enhancing the quality and precision of fish trade coverage with a consequent improvement as well of the apparent consumption data FAO calculates. Starting from January 2017, the HS2017 will contain improved specification for fisheries species and products forms for all Contracting Parties to the Harmonized System Convention. In total, 36 new subheadings were created and 36 subheadings were amended. The changes will include species and/or product forms in need to be monitored for food security purposes and/or for better management of resources, in particular for endangered species. However, unfortunately, due to the limitation of available/free codes, it was not possible to revise the HS (HS2012 and HS2017) including all the species/product forms relevant for trade or in need to be monitored.

Revision of the Central Product Classification of the United Nations (CPC)

The Central Product Classification of the United Nations (CPC) is an international classification of commodities and services delivered. Products by fisheries and aquaculture sub-sector are mainly covered under the Group 04 “Fish and other fishing products” and the Group 212 “Prepared and preserved fish, crustaceans, molluscs and other aquatic invertebrates”. While the CPC is widely used as a standard classification of production statistics, it has been quite rare to utilize CPC for describing fisheries and aquaculture products due to lack of adequate details and structure.

Corresponding to the decision of FAO to adopt the international standard classifications and to select CPC as a classification for the FAOSTAT in 2011, FAO has made its efforts to modify the version at that time, CPC 2.0, to accommodate adequate level of details and proper structure in describing in particular the primary agriculture products.

The proposed modifications were tabled at the United Nations Statistics Commission (UNSC) in 2012 and accepted in principle but the efforts have been continued to finalize the version 2.1 that would be tabled to the UNSC of 2015 for final approval and for formal dissemination.

The Division 04 was substantially revised. Major modifications include:

- Separation of wild and farmed products for primary products at subclass level,
- Introduction of details of taxonomic groups as a comparable level adopted in HS,
- Separation of products between food and non-food uses, and
- Utilization of common criteria “live, fresh or chilled” to separate primary fish products (04) from processed secondary products (212).

Appendix 1 indicates the new version relating to the fish and fisheries products.

Questionnaire of the conversion factors (FISHSTAT CF1)

Relevant and accurate conversion factors are important because most subsequent analyses of the landings (e.g. for stock assessment and management) and the resultant stock management measures require that the quantities are expressed in a uniform unit, the live weight equivalent. This is also important for the calculation of accurate apparent fish consumption statistics. Conversion factors are of particular relevance for members of CWP and subsequently the CWP requested FAO to maintain records of the conversion factors used by the national authorities. Accordingly FAO introduced a questionnaire, FISHSTAT CF1, on which the national authorities were requested to indicate the appropriate conversion factors. This is not an annual questionnaire but it was distributed on rotation after a certain number of years. The latest collection was done by FAO in 1992-1993, with

results published in the FAO. "Conversion factors - landed weight to live weight." FAO Fisheries Circular No.847. 1992 FAO. Then this publication was revised in 2000 in close collaboration between FAO's and the "Fisheries" Sector, Directorate for Agriculture, Environment and Energy Statistics, EUROSTAT ("Conversion factors - landed weight to live weight." FAO Fisheries Circular No.847. Revision 1. 2000).

After several years of interruption, FAO is planning to collect data on conversion factors from product weight into live weight equivalent again. The collection will be done through an a revised version of the ad hoc questionnaire (FISHSTAT CF1) to be circulated to national authorities starting from April/May 2015. In comparison to the questionnaire sent in 1992-1993, the present version of FISHSTAT CF1 includes an improved breakdown by product forms. The previous collection was focused on the conversion factors from landed to nominal weight, with emphasis on capture fisheries. The present one is targeting to collect the conversion factors on different stages of production. The aim is to review the status of the work on conversion factors compared to previous collection and to build a database, also examining other sources of information.

Consideration toward the revision of the International Standard Statistical Classification of Fishery Commodities (ISSCFC)

The ISSCFC has been developed for the collation of national data in the FAO fishery commodities production and trade database. The ISSCFC covers products derived from fish, crustaceans, molluscs and other aquatic animals, plants and residues. ISSCFC is periodically updated in the light of new emerging commodities/species in international trade and of changes in international/national commodity classifications. At present, the classification includes more than 1 200 species/product forms.

The ISSCFC is an expansion of the United Nations Standard International Trade Classification, Revision 3 (SITC Rev.3) developed by the United Nations' Statistical Office. SITC was adopted as a basis for the classification as being the main statistical classification used by countries in collecting trade statistics at the moment of the creation of ISSCFC. However, this is not valid anymore, with the quite totality of the countries having replaced SITC with HS.

International classifications are essential mechanisms for the harmonization and coordination of data compilation worldwide. They allow national data and indicators to be comparable with those of other countries at the global level. To ensure data harmonization and comparability, international standards should be taken as a reference for the development of national and supra-national schemes, and adapted in a way to suit the country requirements and its statistical needs. In this optic, FAO is planning to revise its FAO ISSCFC combining the general structure of set of existing international standard classifications to enhance its linkage.

Appendix 1 Indicative list of fish and fisheries commodities in the CPC 2.1

CPC21code	CPC21title	HS12link	CPC2link	ChangeCode
0	Agriculture, forestry and fishery products			-
04	Fish and other fishing products			-
041	Fish, live, not for human consumption			-
0411	Ornamental fish			F1
04111	Wild ornamental fish	0301.11*, 0301.19*	04111*	F1
04112	Farmed ornamental fish	0301.11*, 0301.19*	04111*	F1
0419	Other live fish, not for human consumption, including seeds and feeds for aquaculture			F1
04191	Other wild live fish, not for human consumption, including seeds and feeds for aquaculture	0301.91*, .92*, .93*, .94*, .95*, .99*	04119*	F1
04192	Other farmed live fish, not for human consumption, including seeds and feeds for aquaculture	0301.91*, .92*, .93*, .94*, .95*, .99*	04119*	F1
042	Fish live, fresh or chilled for human consumption			-
0421	Freshwater fish, live, fresh or chilled			F1
04211	Wild freshwater fish, live, fresh or chilled	0301.92*, .93*, .99*, 0302.71*, .72*, .73*, .74*, .79*, .89*	04119*, 04120*	F1
04212	Farmed freshwater fish, live, fresh or chilled	0301.92*, .93*, .99*, 0302.71*, .72*, .73*, .74*, .79*, .89*	04119*, 04120*	F1
0422	Salmonidae, live, fresh or chilled			F1
04221	Wild salmonidae, live, fresh or chilled	0301.91*, .99*, 0302.11*, .13*, .14*, .19*	04119*, 04120*	F1
04222	Farmed salmonidae, live, fresh or chilled	0301.91*, .99*, 0302.11*, .13*, .14*, .19*	04119*, 04120*	F1
0423	Flatfish, live, fresh or chilled			F1
04231	Wild flatfish, live, fresh or chilled	0301.99*, 0302.21*, .22*, .23*, .24*, .29*,	04119*, 04120*	F1

		.89*		
04232	Farmed flatfish, live, fresh or chilled	0301.99*, 0302.21*, .22*, .23*, .24*, .29*, .89*	04119*, 04120*	F1
0424	Fish of Gadiformes, live, fresh or chilled			F1
04241	Wild fish of Gadiformes, live, fresh or chilled	0301.99*, 0302.51*, .52*, .53*, .54*, .55*, .56*, .59*, .89*	04119*, 04120*	F1
04242	Farmed fish of Gadiformes, live, fresh or chilled	0301.99*, 0302.51*, .52*, .53*, .54*, .55*, .56*, .59*, .89*	04119*, 04120*	F1
0425	Tunas, skipjack or stripe-bellied bonito, live, fresh or chilled			F3
04251	Wild tunas, skipjack or stripe-bellied bonito, live, fresh or chilled	0301.94*, .95*, .99*, 0302.31*, .32*, .33*, .34*, .35*, .36*, .39*	04119*, 04120*	F3
04252	Farmed tunas, skipjack or stripe-bellied bonito, live, fresh or chilled	0301.94*, .95*, .99*, 0302.31*, .32*, .33*, .34*, .35*, .36*, .39*	04119*, 04120*	F3
0426	Other pelagic fish, live, fresh or chilled			F3
04261	Other wild pelagic fish, live, fresh or chilled	0301.99*, 0302.41*, .42*, .43*, .44*, .45*, .46*, .47*, .89*	04119*, 04120*	F3
04262	Other farmed pelagic fish, live, fresh or chilled	0301.99*, 0302.41*, .42*, .43*, .44*, .45*, .46*, .47*, .89*	04119*, 04120*	F3
0429	Other fish, live, fresh or chilled			F1

04291	Other wild fish, live, fresh or chilled	0301.99*, 0302.81*, .82*, .83*, .84*, .85*, .89*	04119*, 04120*	F1
04292	Other farmed fish, live, fresh or chilled	0301.99*, 0302.81*, .82*, .83*, .84*, .85*, .89*	04119*, 04120*	F1
043	Crustaceans, live, fresh or chilled			T F1
0431	Crabs, live, fresh or chilled			F1
04311	Wild crabs, live, fresh or chilled	0306.24*	04210*	F1
04312	Farmed crabs, live, fresh or chilled	0306.24*	04210*	F1
0432	Rock lobster and other sea crawfish, live, fresh or chilled			F3
04321	Wild rock lobster and other sea crawfish, live, fresh or chilled	0306.21*	04210*	F3
04322	Farmed rock lobster and other sea crawfish, live, fresh or chilled	0306.21*	04210*	F3
0433	Lobsters (<i>Homarus spp.</i>), live, fresh or chilled			F1
04331	Wild lobsters (<i>Homarus spp.</i>), live, fresh or chilled	0306.22*	04210*	F1
04332	Farmed lobsters (<i>Homarus spp.</i>), live, fresh or chilled	0306.22*	04210*	F1
0434	Norway lobsters, live, fresh or chilled			F1
04341	Wild Norway lobsters, live, fresh or chilled	0306.25*	04210*	F1
04342	Farmed Norway lobsters, live, fresh or chilled	0306.25*	04210*	F1
0435	Cold-water shrimps and prawns (<i>Pandalus spp.</i> , <i>Crangon crangon</i>), live, fresh or chilled			F1
04351	Wild cold-water shrimps and prawns (<i>Pandalus spp.</i> , <i>Crangon crangon</i>), live, fresh or chilled	0306.26*	04210*	F1
04352	Farmed cold-water shrimps and prawns (<i>Pandalus spp.</i> , <i>Crangon crangon</i>), live, fresh or chilled	0306.26*	04210*	F1
0436	Other shrimps and prawns, live, fresh or chilled			F1
04361	Other wild shrimps and prawns, live, fresh or chilled	0306.27*	04210*	F1
04362	Other farmed shrimps and prawns, live, fresh or chilled	0306.27*	04210*	F1
0439	Other crustaceans, live, fresh or chilled			F1
04391	Other wild crustaceans, live, fresh or chilled	0306.29*	04210*	F1
04392	Other farmed crustaceans, live, fresh or chilled	0306.29*	04210*	F1
044	Molluscs live, fresh or chilled			F1
0441	Abalone, live, fresh or chilled			F1
04411	Wild abalone, live, fresh or chilled	0307.81*	04291*	F1
04412	Farmed abalone, live, fresh or chilled	0307.81*	04291*	F1
0442	Oysters, live, fresh or chilled			F1

04421	Wild oysters, live, fresh or chilled	0307.11*	04220*		F1
04422	Farmed oysters, live, fresh or chilled	0307.11*	04220*		F1
0443	Mussels, live, fresh or chilled				F3
04431	Wild mussels, live, fresh or chilled	0307.31*	04291*		F3
04432	Farmed mussels, live, fresh or chilled	0307.31*	04291*		F3
0444	Scallops, live, fresh or chilled				F1
04441	Wild scallops, live, fresh or chilled	0307.21*	04291*		F1
04442	Farmed scallops, live, fresh or chilled	0307.21*	04291*		F1
0445	Clams, cockles and ark shells, live, fresh or chilled				F3
04451	Wild clams, cockles and ark shells, live, fresh or chilled	0307.71*	04291*		F3
04452	Farmed clams, cockles and ark shells, live, fresh or chilled	0307.71*	04291*		F3
0446	Cuttle fish and squid, live, fresh or chilled				F3
04461	Wild cuttle fish and squid, live, fresh or chilled	0307.41*	04291*		F3
04462	Farmed cuttle fish and squid, live, fresh or chilled	0307.41*	04291*		F3
0447	Octopus, live, fresh or chilled				F1
04471	Wild octopus, live, fresh or chilled	0307.51*	04291*		F1
04472	Farmed octopus, live, fresh or chilled	0307.51*	04291*		F1
0449	Other molluscs, live, fresh or chilled				F1
04491	Other wild molluscs, live, fresh or chilled	0307.91*	04291*		F1
04492	Other farmed molluscs, live, fresh or chilled	0307.91*	04291*		F1
045	Other aquatic invertebrates, live, fresh or chilled				F1
0451	Sea cucumbers, live, fresh or chilled				F3
04511	Wild sea cucumbers, live, fresh or chilled	0308.11*	04299*		F3
04512	Farmed sea cucumbers, live, fresh or chilled	0308.11*	04299*		F3
0452	Sea urchins, live, fresh or chilled				F3
04521	Wild sea urchins, live, fresh or chilled	0308.21*	04299*		F3
04522	Farmed sea urchins, live, fresh or chilled	0308.21*	04299*		F3
0453	Jellyfish, live, fresh or chilled				F2
04530	Jellyfish, live, fresh or chilled	0308.30*	04299*		F3
0459	Other aquatic invertebrates, live, fresh or chilled, n.e.c.			T	F3
04590	Other aquatic invertebrates, live, fresh or chilled, n.e.c.	0308.90*	04299*	T	F3
049	Other aquatic plants and animals				-
0491	Coral and similar products, shells of molluscs, crustaceans or echinoderms and cuttle-bone; live aquatic plants and animals for ornamental purpose				-
04911	Coral and similar products, shells of molluscs, crustaceans or echinoderms and cuttle-bone	0508	04910	L	F3,R2
04912	Wild live aquatic plants and animals for ornamental purpose	0602.90*	04291*, 04299*, 04930*		F1

04913	Farmed live aquatic plants and animals for ornamental purpose	0602.90*	04291*, 04299*, 04930*		F1
0492	Natural sponges of aquatic animal origin				-
04920	Natural sponges of aquatic animal origin	0511.99*	04920		-
0493	Seaweeds and other algae, fresh, frozen or dried, whether or not ground				-
04931	Wild seaweeds and other algae, fresh, frozen or dried, whether or not ground, fit for human consumption	1212.21*	04930*		F1
04932	Farmed seaweeds and other algae, fresh, frozen or dried, whether or not ground, fit for human consumption	1212.21*	04930*		F1
04933	Wild seaweeds and other algae, fresh, frozen or dried, whether or not ground, unfit for human consumption	1212.29*, 1302.31*, .39*	04930*		F1
04934	Farmed seaweeds and other algae, fresh, frozen or dried, whether or not ground, unfit for human consumption	1212.29*, 1302.31*, .39*	04930*		F1
2	Food products, beverages and tobacco; textiles, apparel and leather products				-
21	Meat, fish, fruit, vegetables, oils and fats				-
212	Prepared and preserved fish, crustaceans, molluscs and other aquatic invertebrates				-
2121	Fish, frozen (excluding fish fillets and fish meat)				-
21211	Freshwater fish, frozen	0303.23 - .29, 0303.89*	21210*	I	F1,R2
21212	Salmonidae, frozen	0303.11 - .19	21210*	I	F1,R2
21213	Flatfish, frozen	0303.31 - .39, 0303.89*	21210*	I	F1,R2
21214	Fish of Gadiformes, frozen	0303.63 - .69, 0303.89*	21210*	I	F1,R2
21215	Tunas, skipjack or stripe-bellied bonito, frozen	0303.41 - .49	21210*	I	F1,R2
21216	Other pelagic fish, frozen	0303.51 - .57, 0303.89*	21210*	I	F1,R2
21219	Other fish, frozen	0303.81 - .89	21210*	I	F1,R2
2122	Fish fillets and meat; fish livers and roes				-
21221	Fish fillets and fish meat (whether or not minced), fresh or chilled	0304.31 - .59	21221	I	F1,R2
21222	Fish fillets, frozen	0304.61 - .89	21222	I	F1,R2
21223	Fish meat, whether or not minced, frozen	0304.91 - .99	21223	I	F1,R2
21224	Fish fillets, dried, salted or in brine, but not smoked	0305.31 - .39	21224	I	F1,R2
21225	Fish livers and roes, fresh or chilled	0302.90	21225	I	F1,R2

21226	Fish livers and roes, frozen	0303.90	21226	I	F1,R2
21227	Fish livers and roes dried, smoked, salted or in brine	0305.20	21227	I	F1,R2
2123	Fish, dried, whether or not salted, or in brine; smoked incl. fillets; edible fish meal				-
21231	Fish, dried, but not smoked; salted, but not dried or smoked; or in brine	0305.51 - .69	21231*	LI	F1,R2
21232	Fish including fillets, smoked	0305.41 - .49	21232*	LI	F1,R2
21233	Edible fish meal	0305.10	21233*	LI	F1,R2
21234	Edible fish offal ; fish fins, heads, tails, maws and other edible fish offal	0305.71 - .79	21231*, 21232*, 21233*	LI	F1,R2
2124	Fish, otherwise prepared or preserved; caviar and caviar substitutes				-
21241	Prepared dishes and meals based on fish, molluscs and crustaceans	1604.11*, .12*, .13*, .14*, .15*, .16*, .17*, .19*, .20*, 1605.10*, .21*, .29*, .30*, .40*, .51*, .52*, .53*, .54*, .55*, .56*, .57*, .58*, .59*, .61*, .62*, .63*, .69*	21241	H	R2
21242	Fish, otherwise prepared or preserved	1604.11*, .12*, .13*, .14*, .15*, .16*, .17*, .19*, .20*	21242	H	R2
21243	Caviar and caviar substitutes	1604.31, .32	21243		-
2125	Crustaceans, frozen, dried, salted or in brine			T	F3
21251	Crabs, frozen, dried, salted or in brine	0306.14, .24*	04210*, 21250*	I	F1,R2
21252	Rock lobster and other sea crawfish, frozen, dried, salted or in brine	0306.11, .21*	04210*, 21250*	I	F3,R2
21253	Lobsters, frozen, dried, salted or in brine	0306.12, .22*	04210*, 21250*	I	F1,R2
21254	Norway lobsters, frozen, dried, salted or in brine	0306.15, .25*	04210*, 21250*	I	F1,R2
21255	Cold-water shrimps and prawns, frozen, dried, salted or in brine	0306.16, .26*	04210*, 21250*	I	F1,R2

21256	Other shrimps and prawns, frozen, dried, salted or in brine	0306.17, .27*	04210*, 21250*	I	F1,R2
21259	Other crustaceans, frozen, dried, salted or in brine	0306.19, .29*	04210*, 21250*	I	F1,R2
2126	Molluscs and other aquatic invertebrates, frozen, smoked, dried, salted or in brine				-
21261	Abalone, frozen, smoked, dried, salted or in brine	0307.89	21261*	I	F1,R2
21262	Oysters, frozen, smoked, dried, salted or in brine	0307.19	04220*	I	F1,R2
21263	Mussels, frozen, smoked, dried, salted or in brine	0307.39	21261*	I	F3,R2
21264	Scallops, frozen, smoked, dried, salted or in brine	0307.29	21261*	I	F1,R2
21265	Clams, cockles and ark shells, frozen, smoked, dried, salted or in brine	0307.79	21261*	I	F3,R2
21266	Cuttle fish and squid, frozen	0307.49	21261*	I	F3,R2
21267	Octopus, frozen, smoked, dried, salted or in brine	0307.59	21261*	I	F1,R2
21268	Other molluscs, frozen, smoked, dried, salted or in brine	0307.99	21261*	I	F1,R2
21269	Other aquatic invertebrates, frozen, smoked, dried, salted or in brine	0308.19, .29, .30*, .90*	04299*, 21269	IL	F1,R2
2127	Crustaceans, otherwise prepared or preserved				-
21270	Crustaceans, otherwise prepared or preserved	0306.11*, .12*, .14*, .15*, .16*, .17*, .19*, .21*, .22*, .24*, .25*, .26*, .27*, .29*, 1605.10*, .21*, .29*, .30*, .40*	21270		-
2128	Molluscs and other aquatic invertebrates, otherwise prepared or preserved				-

21280	Molluscs and other aquatic invertebrates, otherwise prepared or preserved	0307.19*, .29*, .39*, .49*, .59*, .79*, .89*, .99*, 0308.19*, .29*, .30*, .90*, 1605.51, .52, .53, .54, .55, .56, .57, .59, .61, .62, .63, .69	21280	F3
2129	Flours, meals and pellets, inedible, and other products n.e.c., of fish or of crustaceans, molluscs or other aquatic invertebrates; dead fish, crustaceans, molluscs or other aquatic invertebrates unfit for human consumption			-
21291	Flours, meals and pellets, inedible, of fish, crustaceans, molluscs or other aquatic invertebrates	2301.20	21291	-
21299	Products n.e.c. of fish, crustaceans, molluscs or other aquatic invertebrates; dead fish, crustaceans, molluscs or other aquatic invertebrates unfit for human consumption	0511.91	21299	-

	changeDescription
C	Code was just moved, i.e. only code number changed
E	Editorial change only (spelling, punctuation, formatting)
H	HS link change
L	CPC link change
N	New code
S	ISIC link change
T	Title change
X	Explanatory notes change
-	Unchanged CPC 2 product
F1	FAO fishery proposal
F3	Addendum to FAO fishery proposal