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Background document  
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**Items for information: International economic and social classifications**

**Background information on the update of the  
Central Product Classification (CPC), Ver.2.1 – Items under consideration**

Prepared by UNSD

Note: This is an extract of a working document of the TSG. The working document is continuously updated..

## ***Introduction***

At its meeting in May 2011, the Expert Group on International Economic and Social Classifications considered the detailed proposals for changes to CPC, which arose out of several different areas, such as: (a) a regular assessment of the impact of the 2012 amendments to the Harmonized Commodity Description and Coding System (HS), which forms the building blocks for sections 0-4 of CPC; (b) an assessment of the linkages between CPC and the Standard International Energy Product Classification (SIEC), with a view to improve the comparability of the two classifications; (c) a proposal by the Food and Agriculture Organization of the United Nations (FAO) to adapt the detail of CPC in selected areas of agriculture and food products to allow for CPC to be used directly for data collection in agricultural statistics; and (d) feedback received on CPC issues in the Statistics Division Classifications Hotline.

After reviewing the different inputs provided, the Expert Group recommended that an update to CPC should be undertaken for 2012. This will be labelled as an update (CPC Ver.2.1), but not a revision, since it is restricted to some areas of the goods part only and involves only rearrangements or subdivisions at the lower levels (class, subclass) of the classification.

A technical subgroup has been established to consider all of the proposed inputs into CPC and discuss technical and procedural elements of the update.

This document lists the proposals currently under discussion by the Technical Subgroup. It groups individual detailed proposals according to the type of action required. Each proposal/issue also lists the origin, where sometimes more background for the overall proposal can be found (e.g. for FAO proposals). Since the overall arguments for the proposals have been accepted (e.g. detailing CPC so that it can be used as a standard for agricultural statistics, improving the links between CPC and SIEC linking 4-digit SIEC to 2-digit CPC etc.), such background information is listed here only in cases where it is necessary to understand the individual issue.

In keeping with the mandate of the Expert Group for this update, no structural changes at higher levels are considered and most proposals involve only a further subdivision of existing CPC categories, maintaining easy links to the previous version.

Annex 1 shows the detail for selected proposals, comparing old and new structures, indicating CPC categories affected by this update.

Updated background information for FAO-based proposals is shown in Annex 2 of this document, while references to additional background information are shown in annex 3.

Items that are considered as clarifications beyond dispute, namely smaller corrections to the previous version of the CPC, and items that require simply an updated HS link (without change in scope) are not shown here.

## Contents

Introduction.....	2
A. Issues requiring conceptual discussion .....	5
9 - Separation of aquaculture primary products and capture fishery primary products (FAO).....	5
15 - Expand detail of CPC section on forest products according to the structure used by FAO (FAO).....	5
29 - Biofuels (SIEC, FAO, HS) .....	5
35 - Introduce additional detail for recyclable materials (Voorburg).....	6
36 - Align categories for R&D in CPC with Frascati Manual categories (Voorburg)	6
37 - Clarify inclusion of “implementation” in management consultancy (Voorburg)	6
B. Issues requiring clarification (details, links, formulation).....	7
1 - Cereals (FAO).....	7
2 - Chicory roots (FAO).....	7
8 - Fertilizers (FAO) .....	7
11 - Introduce consistent and more detailed structure in biological groupings for fish (FAO).....	7
14 - Other aquatic plants and animals (FAO) .....	8
18 - Sanitary towels etc. (HS).....	8
20 - Biodiesel (HS, SIEC).....	8
27 - Improve link from CPC to SIEC (SIEC).....	8
28 - Improve link from SIEC to CPC (SIEC).....	9
32 - Terminology for coal (SIEC).....	9
33 - Uranium, Plutonium, Thorium and other nuclear materials (SIEC).....	10
34 - Smoked aquatic invertebrate products (HS).....	10
38 - Increase detail for telecommunications products (Voorburg) .....	10
39 - Introduce distinction between domestic and international courier service (Voorburg) .....	10
40 - Introduce separate subclasses for household moving and storage vs. business moving and storage, i.e. splitting CPC 65115 (Voorburg) .....	10
42 - Logistics (Voorburg) .....	11
C. Issues that seem straightforward.....	12
3 - Livestock, equines (FAO).....	12
4 - Eggs (FAO).....	12
5 - Kola nuts (FAO) .....	12
6 - Vegetable oils (FAO).....	12
7 - Groats and pellets (FAO).....	12
10 - Separation of live fish and fresh or chilled fish in primary production (FAO).	13
12 - Introduce consistent and more detailed structure in biological groupings for crustaceans (FAO) .....	13
13 - Molluscs and other aquatic invertebrates (FAO).....	13
16 - Non-Chemically defined products (HS).....	14
17 - Water-jet cutting machines (HS) .....	14
19 - Image projectors etc. (HS).....	14

21 - Hazardous chemicals and pesticides (HS).....	14
22 - Edible fish offal (HS) .....	14
23 - Black liquor (SIEC).....	14
24 - Bagasse (SIEC).....	15
25 - Wood pellets (SIEC).....	15
26 - Ethylene, propylene, butylene, butadiene and other petroleum gases or gaseous hydrocarbons, except natural gas (SIEC).....	15
30 - Align definitions of oil products with SIEC.....	15
31 - Crude oil / hydrogen (SIEC).....	15
41 - Distinction between urban/suburban and interurban rail service (Voorburg) ...	16
43 - Buying and selling of own real estate (Voorburg) .....	16
Annex 1 – Detail for selected proposals, comparing old and new structures .....	17
Annex 2 – Background info for FAO-based proposals .....	42
Annex 3 – Background info for HS- and SIEC-based proposals.....	52

## ***A. Issues requiring conceptual discussion***

### **9 - Separation of aquaculture primary products and capture fishery primary products (FAO)**

Proposal is to create new sub-classes to in principle all biological categories in order to distinguish between aquaculture primary products and capture fishery primary products in Division 04.

In order to allow these new sub-classes, to upgrade existing sub-classes that correspond to biological groups to classes but simultaneously to introduce more detailed biological groupings in consistent with HS2012, as indicated in 11), 12) and 13).

The revised proposal creates the separation between aquaculture and fishery products only at the subclass level.

### **15 - Expand detail of CPC section on forest products according to the structure used by FAO (FAO)**

Proposal is to provide more detail for forest products, introducing mainly the distinction between coniferous and non-coniferous forest products and the type of board. This affects the introduction of subclasses for the following classes in CPC: 0313, 3110, 3121, 3123, 3141, 3142, 3143, 3144, 3151, 3828. This proposal aligns CPC with FAO forestry commodity list and both HS2007 and HS 2012. The proposal has been formulated by FAO together with EUROSTAT-ITTO-UNECE.

### **29 - Biofuels (SIEC, FAO, HS)**

The definition of biofuels still poses problems. Biodiesel has now been identified in HS, even though not in the same way as in SIEC, but the established categories can be used to properly define links between the different classifications and determine the scope of appropriate categories in CPC (see item 20). However, problems remain for general biofuels, such as:

(a) hydrotreated or hydrogenated vegetable oils – are they considered as biodiesel or would they be in a separate categories in SIEC and CPC?

(b) how would bio-butanol be treated?

(c) what other liquid biofuels are in SIEC 5290? What would be the equivalent(s) in CPC?

(d) how can the use of straight vegetable oils as transport fuel be addressed? Or the use of used vegetable oils as feedstocks? They would probably not fall under biodiesel, but is the inclusion (without explicit identification) in oil and waste categories sufficient?

### **35 - Introduce additional detail for recyclable materials (Voorburg)**

In the area of recyclable materials, the CPA includes substantial detail for goods. There is no reference to goods in the CPC. This issue results from the different transactions that occur – for example one transaction to pick-up recyclable materials and a separate transaction with a different party for the sale of recycle materials. The Voorburg Group has not prepared a best practice of this yet and would be interested in any input from the Technical Subgroup working on the CPC.

### **36 - Align categories for R&D in CPC with Frascati Manual categories (Voorburg)**

Request: The Voorburg Group noted considerable problems with the measurement of R&D from both a turnover and price perspective. While the problems are not related directly to the current structure of the CPC, a change to incorporate the basic structure of the Frascati Manual for basic, applied, and product development R&D might be useful to better use the results as innovation indicators.

### **37 - Clarify inclusion of “implementation” in management consultancy (Voorburg)**

UNSD may wish to add clarification to the inclusion of implementation in management consultancy. Very often, contracts for management consultancy seek an implemented solution and the classification of the bundle or integrated solution service is not clear in the CPC.

## ***B. Issues requiring clarification (details, links, formulation)***

### **1 - Cereals (FAO)**

Proposal to subdivide 01190 "Other cereals" into subclasses 01191 "Triticale" (a cross between wheat and rye, combining the quality and yield of wheat with the hardiness of rye), 01192 "Buckwheat" (cultivated primarily in northern regions), 01193 "Fonio" (of great importance in West Africa), 01194 "Quinoa" (it tolerates high altitudes, and is cultivated primarily in Andean countries), 01195 "Canary seed" and 01199 "Other cereals n.e.c."

### **2 - Chicory roots (FAO)**

Proposal to delete 01690 "Stimulant, spice and aromatic crops" and to replace it with 01691 "Chicory roots" and 01699 "Other stimulant, spice and aromatic crops n.e.c.". Chicory roots is included in the FAOSTAT commodity list and data is available. Chicory roots has been introduced in the new HS 2012 (1212.94).

### **8 - Fertilizers (FAO)**

Proposal to increase detail in line with the HS, and in one case beyond HS (34621). In one case the introduction of a more aggregated class is proposed (34651+34652). CPC is currently too aggregated and not helpful for collecting statistics on production, trade and consumption of fertilizers. In FAOSTAT a more detailed list is used. Availability of fertilizers in countries is becoming a critical issue while to get detailed data is extremely important to estimate the country potential productivity, greenhouse gas (GHG) emission and agriculture contribution to climate change. Note: A similar proposal for the review of fertilizers will be submitted to the HS Review Sub-Committee for the HS2017.

### **11 - Introduce consistent and more detailed structure in biological groupings for fish (FAO)**

Proposal is to introduce biological groupings for fish by splitting 04120 and 21210 into seven sub-classes, respectively. All split of 04120 are classified as class in order to address the requirement described in the point 9). The current CPC treats all fish as one group which is not adequate for monitoring and analyzing economic and food security contribution of fish products. The proposed level of biological groupings is consistent with those adopted in sub-heading level of HS-2012.

## **14 - Other aquatic plants and animals (FAO)**

Proposal is to introduce further details in 04910 and 04930, consistent with HS2012.

## **18 - Sanitary towels etc. (HS)**

Proposal is to create a new CPC subclass for "sanitary towels and tampons, napkins and napkin liners for babies and similar articles, of any material", responding to change in HS 2012.

This new product grouping in HS reflects a treatment in ISIC4, where we had already started to recognize the fact that some of these products are made from different materials, yet produced often by the same company, and we included some of the textile products under paper articles (see ISIC 1709).

## **20 - Biodiesel (HS, SIEC)**

Proposal is to create subclasses that identify biodiesel separately in CPC. HS has created a new subheading and SIEC includes biodiesel. Unfortunately, the two concepts differ. SIEC considers as biodiesel only the relevant esters (SIEC 5220). While HS uses the same definition, the new subheading 3826.00 includes "Biodiesel and mixtures thereof, not containing or containing less than 70 % by weight of petroleum oils or oils obtained from bituminous minerals."

Proposal is to create subclasses in CPC to address both definitions. (See annex 1 for details.) A cut-off point may still be needed (only pure biodiesel? Or majority rule? Or mixes up to certain per cent?)

## **27 - Improve link from CPC to SIEC (SIEC)**

Proposal is to provide more detail in CPC to facilitate the link to SIEC at a more detailed level. While the general recommendation is to facilitate the link from detailed SIEC items to the 2-digit level of CPC, in a few cases the other direction (i.e. detailed CPC subclasses to 2-digit SIEC) could be addressed through subdividing existing CPC subclasses. The original proposal includes the following:

- a. Split CPC 12010 into "conventional crude oil" and "other hydrocarbons"
- b. Split CPC 33420 into SIEC 42, 46 and 53 components
- c. Split CPC 33500 into SIEC 03 and 46
- d. Split CPC 34131 into SIEC 44 and 52
- e. Split CPC 34139 into SIEC 44 and 52
- f. Split CPC 34170 into SIEC 44 and 52
- g. Split CPC 34540 into SIEC 03 and 46



## 28 - Improve link from SIEC to CPC (SIEC)

Proposal is to improve the link from detailed SIEC categories to 2-digit CPC. In most cases, a change in CPC will not be able to address this problem. If the corresponding CPC categories can be identified, grouping them according to SIEC requirements would break the criteria for grouping in the CPC. Therefore, changes in SIEC, namely the separate identification of products involved in the multiple links at the target level should be considered.

SIEC products that currently cannot be linked to a unique CPC 2-digit category are the following:

<b>Class</b>	<b>Title</b>	<b>CPC link</b>	<b>CPC Division</b>
0390	Other coal products	33500*,34540*	33, 34
1290	Other peat products	11050*,33100*,33200 *,33500*	11, 33
4400	Additives and oxygenates	34131*,34139*,34170 *,others	34 +?
4500	Other hydrocarbons	12010*,34210*	12, 34
4699	Other oil products n.e.c.	33330*,33350*,33380 *,33420*,33500*,345 40*	33, 34
5119	Other Fuelwood, wood residues and by-products	03130,31230,39280*	03, 31, 39
5150	Other vegetal material and residues	39120*,39150*,01913 ,21710,34654*	39, 01, 21, 34
5230	Bio jet kerosene	x	
5290	Other liquid biofuels	x	
5320	Biogases from thermal processes	x	
9900	Other fuels n.e.c.	x	

Note that 4300 “Refinery feedstocks” is not shown here, since it is not considered an output category.

CPC links for bio jet kerosene, liquid biofuels and biogases will be determined based on the outcome reached for item 29.

## 32 - Terminology for coal (SIEC)

Proposal is to standardize CPC terminology on the InterEnerStat terms when referring to primary coal.

Right now the CPC uses the term “coal” very loosely – in fact, it is referring only to “hard coal”. Lignite, although also a coal, is referred to separately (and actually also includes sub-bituminous coal). CPC now uses “Coal” to refer to “hard coal” and “lignite” to refer to “brown coal” (of which lignite is just a component).

### **33 - Uranium, Plutonium, Thorium and other nuclear materials (SIEC)**

The original proposal sought to identify nuclear materials relevant for energy statistics to simplify the link between CPC and SIEC. This applied to SIEC 9100 (Uranium and plutonium) and 9200 (Other nuclear fuels). In both cases, a partial CPC link was shown and the proposal was to identify the individual components of CPC that were included in the links and create subclasses for them.

Since nuclear materials are not used in the energy balances, there is no uniform agreement on the scope of products to be covered or definitions for those.

### **34 - Smoked aquatic invertebrate products (HS)**

Proposal is to review and adapt the classification of smoked crustaceans, molluscs and products thereof to align with new treatment in HS 2012.

The current proposal is embedded in the revised structure proposal for fishing and aquaculture, shown in annex 1 and 2.

### **38 - Increase detail for telecommunications products (Voorburg)**

Telecommunications products are rapidly evolving. The CPC addresses most items at an aggregated level but may wish to address more transaction specific details, such as fixed rate access for limited minutes, gigabytes, text messages, etc., rather than to focus on call features that are not separately billed in most cases.

### **39 - Introduce distinction between domestic and international courier service (Voorburg)**

Proposal is to introduce separate categories for domestic and international courier service, due to different treatment in the balance of payments, a need for clearer ability to identify trade in services and observed price differences when international borders are crossed.

### **40 - Introduce separate subclasses for household moving and storage vs. business moving and storage, i.e. splitting CPC 65115 (Voorburg)**

Proposal is to create separate categories/subclasses for the moving of household goods vs. the moving of business equipment. Apparent from different pricing etc., the distinction also facilitates the split between intermediate and final consumption, which would be important for the BEC, BOP, SNA etc. Similar treatment for storage should also be considered.

## **42 - Logistics (Voorburg)**

There is little detail for logistics available in CPC V2.0. UNSD may wish to consider identification of separate logistics products. These products are often provided by storage establishments, transport establishments, and/or third parties providing no actual storage or transport services but only managing the provision of services by others.

## ***C. Issues that seem straightforward***

### **3 - Livestock, equines (FAO)**

Proposal to delete 02130 “Horses and other equines” and to replace it with 02131 “Horses”, 02132 “Asses” and 023133 “Mules and hinnies” to add detail in CPC in order to be able to singularly identify these animals. These items are currently in the classifications used by FAOSTAT and can be identified in HS.

### **4 - Eggs (FAO)**

Proposal: 0231 and 0232 to cover total eggs, including eggs for hatching. Split 02330 in 2 new codes: Eggs for hatching from Hens and Eggs for hatching from Other birds. 02330 disappears.

### **5 - Kola nuts (FAO)**

Proposal to delete 03230 “Wild edible products” and to replace it with 03231 “Kola nuts” and 03239 “Other wild edible products n.e.c.”. Kola nuts are produced mainly in Africa, they are commonly chewed and largely used in the production of beverages. HS has now a separate subheading for this (0802.70). Purpose is to increase detail. A class for Kola nuts is included in the FAOSTAT commodity list and data is available.

### **6 - Vegetable oils (FAO)**

Proposal to split group 215 into 2 groups (i.e. 215 “Animal fats” and 216 “Vegetable oils”).

The aim of this proposal is to facilitate reporting of production data, and avoid double counting or loss of information. The FAOSTAT concept of oils includes raw, refined and fractioned oils -but not chemically modified oils-. Break-down for crude and refined is not given in the FAOSTAT classification as the production of oil is generally reported in terms of crude oil, eventually including refined oils converted in terms of crude equivalent. It is important that the CPC introduces an aggregated class to cover all products (both crude and refined).

### **7 - Groats and pellets (FAO)**

Proposal is to expand the scope of the classes 2311 “Wheat and meslin flour” and 2312 “Other cereal flours” to cover groats, meals and pellets (currently in 23130), with identifying the relevant detail. This essentially involves creating separate subclasses under 2311 and 2312 that cover the old scope of these classes on hand and the relevant parts of 2313 on the other hand.

## **10 - Separation of live fish and fresh or chilled fish in primary production (FAO)**

Proposal is to modify split between class 0411 'Fish, live' and class 0412 'Fish, fresh or chilled' as follows and also shift from class to group to address the requirement described in 9):

- 041 'Fish, live, not for human consumption' and
- 042 'Fish live, fresh or chilled, not covered by 041'

Correspondingly sub-classes under 0411 are proposed to modify and shift to classes as follows:

- 0411 'Ornamental fish' [No change but raised from sub-class to class]
- 0419 'Other live fish, not for human consumption, including seeds and feeds for aquaculture' [New class]

Proposed modifications under 042 are described in points 11), 12) and 13).

## **12 - Introduce consistent and more detailed structure in biological groupings for crustaceans (FAO)**

Proposal is to introduce biological groupings for crustaceans by splitting 04210 and 21250 into seven sub-classes, respectively. All splits of 04210 are classified as class in order to address the requirement described in the point 9). The level of biological groupings is consistent with those adopted in HS-2012. "Smoked" is included in all sub-classes under class 0421, not under class 2127. This modification improves a link with HS-2012 and improves capacity to monitor and analyze economic and food security contribution of crustacean products. The modifications also intend to be consistent with HS-2012 in treatment of 'smoked' products.

## **13 - Molluscs and other aquatic invertebrates (FAO)**

Proposal is to modify split between class 0422 and class 0429 to represent taxonomic groupings between molluscs and other aquatic invertebrates; introduce biological groupings for molluscs and other aquatic invertebrates by splitting 04220 and 21261 into eight sub-classes, respectively 04291 into three sub-classes. All split of 04220 are classified as class in order to address the requirement described in the point 9). The level of biological groupings is consistent with those adopted in HS-2012. Include 'smoked' into all sub-classes under class 2126, not under classes 0422 and 0429.

This revised proposal improves a link with HS-2012 and becomes more consistent with taxonomic classifications. It also improves capacity to monitor and analyze economic and food security contribution of mollusks and other aquatic invertebrate products. The modifications also intend to be consistent with HS-2012 in treatment of 'smoked' products.

### **16 - Non-Chemically defined products (HS)**

Proposal is to expand CPC 34250 to include both chemically defined and not chemically defined products, to address a change in HS2012. Exclude the non chemically defined products from subclasses 34160, 34240, 34270, 34280, 34320, 35420 and 35490.

### **17 - Water-jet cutting machines (HS)**

Proposal is to move water-jet cutting machines from CPC 44919 to 44211, reflecting a change in HS2012. This item was simply moved from one HS subheading to another.

### **19 - Image projectors etc. (HS)**

Proposal is to adjust the subclasses in CPC class 4832 and 4833 to reflect a change in HS 2012. Essentially, this will move slide projectors, microfiche readers, photographic enlargers and reducers, as well as photographic flashlight in a residual category. Details are shown in annex 1.

### **21 - Hazardous chemicals and pesticides (HS)**

Proposal is to change the scope of CPC 34666 to include hazardous pesticides which were classified originally in subclasses 34661-34664 and 34669, to reflect a change in HS2012.

### **22 - Edible fish offal (HS)**

Proposal is to create a new subclass for edible fish offal (21234) to address a change in HS2012. Consequently, change the scope of 21231 and 21232 to exclude edible fish offal. (see annex 1 for details)

### **23 - Black liquor (SIEC)**

Proposal is to separately identify black liquor in the CPC to improve the link to SIEC. Black liquor (SIEC 5140) is a waste product from the manufacture of wood pulp, currently in CPC 39230 "Residual lyes from the manufacture of wood pulp, including lignin sulphonates, but excluding tall oil". Since Black liquor covers only part of this subclass, proposal is to split the class (which was not subdivided before). See annex 1 for details.

## **24 - Bagasse (SIEC)**

Proposal is to separately identify bagasse to improve the link to SIEC. Bagasse (SIEC 5120) is a waste that remains after juice extraction in sugar cane processing and is currently classified in CPC 39140 "Beet-pulp, bagasse and other waste of sugar manufacture". Proposal is to separate bagasse from this class in a separate subclass. (See annex 1 for details.)

## **25 - Wood pellets (SIEC)**

Proposal is to separately identify wood pellets to improve the link to SIEC. Wood pellets (SIEC 5111) is currently part of CPC 39280 "Sawdust and wood waste and scrap". Proposal is to separate wood pellets into a separate subclass. This is further addressed in the FAO proposal (see item 15), which provides a structure consistent with the SIEC requirements. (See annex 1 for details.)

## **26 - Ethylene, propylene, butylene, butadiene and other petroleum gases or gaseous hydrocarbons, except natural gas (SIEC)**

The original proposal for the treatment of the gases here focused on the fact that SIEC 4699 (Other oil products n.e.c.) covers a variety of products that link to different CPC subclasses. In particular, the link between CPC 33420 to SIEC 4699 combines two larger clusters of CPC-SIEC links. To separate those, a separate identification in CPC of "Ethylene, propylene, butylene, butadiene" would allow a disentanglement of those. This could be accomplished by a separate subclass in CPC, equal to HS 2711.14.

## **30 - Align definitions of oil products with SIEC**

In CPC group 333, definitions for individual products (subclasses) are based on definitions previously used in UNSD energy statistics. In light of the new agreed definitions in IRES/SIEC, based on InterEnerStat work, these CPC definitions should be updated.

In most cases, the differences relate to different cut-off values for parameters, like distilling temperature of specific gravity. Since the products in this group are not separately identified in HS, there is no conflict with specific HS definitions.

## **31 - Crude oil / hydrogen (SIEC)**

Proposal is to improve link for "hydrogen" between CPC and SIEC.

The original proposal was to separately identify hydrogen in a CPC subclass (it's now part of 34210 "Hydrogen, nitrogen, oxygen, carbon dioxide and rare gases; inorganic oxygen compounds of non-metals n.e.c.").

#### **41 - Distinction between urban/suburban and interurban rail service (Voorburg)**

Proposal is to provide a more precise distinction/definition between urban/suburban and interurban rail service.

This distinction applies also to ISIC 4911 vs. 4921.

#### **43 - Buying and selling of own real estate (Voorburg)**

Should CPC include buying and selling of own real estate?



## **Annex 1 – Detail for selected proposals, comparing old and new structures**

### **1 - Proposal for new structure for cereals**

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
01190	Other cereals	1008.10, .30, .90		01191	Triticale	1008.60	
				01192	Buckwheat	1008.10	
				01193	Fonio	1008.40	
				01194	Quinoa	1008.50	
				01195	Canary seed	1008.30	
				01199	Other cereals n.e.c.	1008.90	

### **2 - Proposal for new structure for chicory roots**

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
01690	Stimulant, spice and aromatic crops	0709.90*, 0910.20 - .99, 1212.99*		01691	Chicory roots	1212.94	
				01699	Other stimulant, spice and aromatic crops, n.e.c.	0709.90*, 0910.20 - .99, 1212.99*	Needs review

### **3 - Proposal for new structure for livestock equines**

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
02130	Horses and other equines	0101		02131	Horses	0101.21, .29	
				02132	Asses	0101.30	
				02133	Mules and hinnies	0101.90	

### **4 - Proposal for new structure for eggs**

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
0231 02310	Hen eggs in shell, fresh	0407.00*		0231	Hen eggs in shell, fresh		
				02311	Hen eggs in shell fresh, for hatching	0407.11	
				02312	Other hen eggs in shell fresh	0407.21	

0232 02320	Eggs from other birds in shell, fresh, n.e.c.	0407.00*		0232	Eggs from other birds in shell, fresh, n.e.c.		
				02321	Eggs from other birds in shell fresh, for hatching	0407.19	
				02322	Other eggs from other birds fresh in shell	0407.29	
0233 02330	Eggs for hatching	0407.00*					

### 5 - Proposal for new structure for Kola nuts

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
0323 03230	Wild edible products	0802.90*		03231	Kola nuts	0802.70	
				03239	Other wild edible products n.e.c.	0802.90	Needs review

### 6 - Proposal for new structure for vegetable oil

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
215	Animal and vegetable oils and fats			215	Animal fats		
2159 21590	Other animal and vegetable oils and fats, refined, n.e.c.	1516		2159 21590	Other animal fats, refined, n.e.c.	1516.10	
							Just reordering of items below
2153	Vegetable oils, crude			216	Vegetable oils		
21531	Soya bean oil, crude	1507.10		2161	Soya bean oil		
21532	Groundnut oil, crude	1508.10		21611	Soya bean oil, crude	1507.10	
21533	Sunflower-seed oil, crude	1512.11		21612	Soya bean oil, refined	1507.90	
21534	Rapeseed oil, crude	1514.11, .91		2162	Groundnut oil		
21535	Palm oil, crude	1511.10		21621	Groundnut oil, crude	1508.10	
21536	Coconut oil, crude	1513.11		21622	Groundnut oil, refined	1508.90	

21537	Olive oil, crude	1509.10, 1510.00*		2163	Sunflower-seed oil		
21538	Cottonseed oil, crude	1512.21		21631	Sunflower-seed oil, crude	1512.11	
21539	Other vegetable oils, crude, n.e.c.	1513.21, 1515.11, .21 , .30*, .50*, .90*		21632	Sunflower-seed oil, refined	1512.19	
2154	Vegetable oils, refined			2164	Rapeseed oil		
21541	Soya bean oil, refined	1507.90		21641	Rapeseed oil, crude	1514.11, .91	
21542	Groundnut oil, refined	1508.90		21642	Rapeseed oil, refined	1514.19, .99	
21543	Sunflower-seed oil, refined	1512.19		2165	Palm oil		
21544	Rapeseed oil, refined	1514.19, .99		21651	Palm oil, crude	1511.10	
21545	Palm oil, refined	1511.90		21652	Palm oil, refined	1511.90	
21546	Coconut oil, refined	1513.19		2166	Coconut oil		
21547	Olive oil, refined	1509.90, 1510.00*		21661	Coconut oil, crude	1513.11	
21548	Cottonseed oil, refined	1512.29		21662	Coconut oil, refined	1513.19	
21549	Other vegetable oils, refined, n.e.c.	1513.29, 1515.19, .29 , .30*, .50*, .90*		2167	Olive oil		
				21671	Olive oil, crude	1509.10, 1510.00*	
				21672	Olive oil, refined	1509.90, 1510.00*	
				2168	Cottonseed oil		
				21681	Cottonseed oil, crude	1512.21	
				21682	Cottonseed oil, refined	1512.29	
				2169	Other vegetable oils, n.e.c.		
				21691	Other vegetable oils, crude, n.e.c.	1513.21, 1515.11, .21, .30*, .50*, .90*	
				21692	Other vegetable oils, refined, n.e.c.	1513.29, 1515.19, .29, .30*, .50*, .90*	
2155 21550	Margarine and similar preparations	1517		217 2170 21700	Margarine and similar preparations	1517	
							Only recoding of items below

216 2160 21600	Cotton linters	1404.20		218 2180 21800	Cotton linters	1404.20	
217	Oil-cake and other residues resulting from the extraction of vegetable fats or oils; flours and meals of oil seeds or oleaginous fruits, except those of mustard; vegetable waxes, except triglycerides; degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes			219	Oil-cake and other residues resulting from the extraction of vegetable fats or oils; flours and meals of oil seeds or oleaginous fruits, except those of mustard; vegetable waxes, except triglycerides; degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes		
2171 21710	Oil-cake and other solid residues, of vegetable fats or oils	2304 – 2306		2191 21910	Oil-cake and other solid residues, of vegetable fats or oils	2304 – 2306	
2172 21720	Flours and meals of oil seeds or oleaginous fruits, except those of mustard	1208		2192 21920	Flours and meals of oil seeds or oleaginous fruits, except those of mustard	1208	
2173	Vegetable waxes (other than triglycerides), insect waxes and spermaceti; degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes			2193	Vegetable waxes (other than triglycerides), insect waxes and spermaceti; degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes		
21731	Vegetable waxes (other than triglycerides)	1521.10		21931	Vegetable waxes (other than triglycerides)	1521.10	
21732	Degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes	1522		21932	Degreas; residues resulting from the treatment of fatty substances or animal or vegetable waxes	1522	

### 7 - Proposal for new structure for groats and pellets

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
2311 23110	Wheat and meslin flour	1101		2311	Wheat and meslin flour, groats and pellets		
				23111	Wheat and meslin flour	1101	
				23112	Groats, meal and pellets of wheat	1103.11, .20*	
2312 23120	Other cereal flours	1102		2312	Other cereal flours, groats and pellets		
				23121	Other cereal flours	1102	
				23122	Groats, meal and pellets of other cereals	1103.13, .19, .20*	
2313 23130	Groats, meal and pellets of wheat and other cereals	1103.11 - .20					

### 8 - Proposal for new structure for fertilizers

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
34619	Other nitrogenous fertilizers and mixtures, n.e.c.	3102.29, .80, .90		34616	Urea and ammonium nitrate solutions	3102.80	
				34619	Other nitrogenous fertilizers and mixtures, n.e.c.	3102.29, .90	
34621	Superphosphate	3103.10		34622	Superphosphate, more than 35% P2O5	3103.10*	Review need for aggregates
				34623	Superphosphate, other	3103.10*	
34641	Fertilizers containing three nutrients: nitrogen, phosphorus and potassium	3105.20		34641	Fertilizers containing three nutrients: nitrogen, phosphorus and potassium, with NPK complex <=10kg	3105.10	Review need for aggregates, definition and links

			34642	Fertilizers containing three nutrients: nitrogen, phosphorus and potassium, with NPK complex >10kg	3105.20	
34642	Diammonium hydrogenorthophosphate (diammonium phosphate)	3105.30	34643	Diammonium hydrogenorthophosphate (diammonium phosphate)	3105.30	
34643	Monoammonium phosphate	3105.40	34644	Monoammonium phosphate	3105.40	
34644	Fertilizers containing two nutrients: nitrogen and phosphorus	3105.51, .59	34645	Other nitrogen & phosphates compounds	3105.51	Review need for aggregates
			34646	Other nitrogen and phosphorus compounds	3105.59	
34645	Fertilizers containing two nutrients: phosphorus and potassium	3105.60	34647	Fertilizers containing two nutrients: phosphorus and potassium	3105.60	
34646	Potassium nitrate	2834.21	34648	Potassium nitrate	2834.21	
34649	Other mineral or chemical fertilizers containing at least two nutrients (nitrogen, phosphate, potash), n.e.c.	3105.90	34649	Other mineral or chemical fertilizers containing at least two nutrients (nitrogen, phosphate, potash), n.e.c.	3105.90	
3465	Other fertilizers					
			3465	Ammonia, anhydrous (for direct application)		
34651	Ammonia, anhydrous	2814.10	34651	Ammonia, anhydrous	2814.10	
34652	Ammonia, in aqueous solution	2814.20	34652	Ammonia, in aqueous solution	2814.20	
			3466	Other fertilizers		
34653	Ammonium chloride; nitrites	2827.10, 2834.10	34661	Ammonium chloride; nitrites	2827.10, 2834.10	

34654	Excreta of animals useful for manure/fertilizer and fuel preparation	3101		34662	Excreta of animals useful for manure/fertilizer and fuel preparation	3101	
				34663	Natural potassic salts	3104.10	Tbv
				34664	Natural sodium nitrate	3102.50	Tbv
34659	Fertilizers n.e.c.	3105.10		34669	Fertilizers n.e.c.	3105.10	Tbv
3466	Insecticides, fungicides, herbicides and disinfectants			3467	Insecticides, fungicides, herbicides and disinfectants		Only recoding below
34661	Insecticides	3808.91		34671	Insecticides	3808.91	
34662	Fungicides	3808.92		34672	Fungicides	3808.92	
34663	Herbicides, anti-sprouting products and plantgrowth regulators	3808.93		34673	Herbicides, anti-sprouting products and plant-growth regulators	3808.93	
34664	Disinfectants	3808.94		34674	Disinfectants	3808.94	
34666	Hazardous pesticides	3808.50		34675	Hazardous pesticides	3808.50	
34669	Other insecticides, fungicides, herbicides and disinfectants	3808.99		34679	Other insecticides, fungicides, herbicides and disinfectants	3808.99	

#### 9-14 - Proposal for new structure for fisheries and aquaculture

This includes items 9 (Separation of aquaculture primary products and capture fishery primary products), 10 (Separation of live fish and fresh or chilled fish in primary production), 11 (Introduce consistent and more detailed structure in biological groupings for fish), 12 (Introduce consistent and more detailed structure in biological groupings for crustaceans), 13 (Molluscs and other aquatic invertebrates) and 14 (Other aquatic plants and animals).

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
04	Fish and other fishing products			04	Fishery and aquaculture products		
041	Fishes, live, fresh or chilled						
0411	Fish, live						
04111	Ornamental fish	0301.10					

04119	Other live fish	0301.91 - .99				
0412	04120 Fish, fresh or chilled	0302.11 - .69				
			041	Fish, live, fresh or chilled, not for human consumption		
			0411	Ornamental fish	0301.11 - .19	
			04111	Wild ornamental fish	0301.11* - .19*	
			04112	Farmed ornamental fish	0301.11* - .19*	
			0419	Other live fish, not for human consumption, including seeds and feeds for aquaculture	0301.91* - .99*	
			04191	Other wild live fish, not for human consumption, including seeds and feeds for aquaculture	0301.91* - .99*	
			04192	Other farmed live fish, not for human consumption, including seeds and feeds for aquaculture	0301.91* - .99*	
			042	Fish live, fresh or chilled, for human consumption		Review title
			0421	Tilapias, catfish, carp, eels, Nile perch and snakeheads, live, fresh or chilled	0301.92*, .93*, .99*; 0302.71* - .79*	
			04211	Wild tilapias, catfish, carp, eels, Nile perch and snakeheads, live, fresh or chilled	0301.92*, .93*, .99*; 0302.71* - .79*	
			04212	Farmed tilapias, catfish, carp, eels, Nile perch and snakeheads, live, fresh or chilled	0301.92*, .93*, .99*; 0302.71* - .79*	
			0422	Salmonidae, live, fresh or chilled	0301.91*, .99*; 0302.11 - .19	
			04221	Wild salmonidae, live, fresh or chilled	0301.91*, .99*; 0302.11* - .19*	



			04222	Farmed salmonidae, live, fresh or chilled	0301.91*, .99*; 0302.11* - .19*	
			0423	Flatfish, live, fresh or chilled	0301.99*; 0302.21 - .29	
			04231	Wild flatfish, live, fresh or chilled	0301.99*; 0302.21* - .29*	
			04232	Farmed flatfish, live, fresh or chilled	0301.99*; 0302.21* - .29*	
			0424	Fish of the families Bregmacerotidae, Euclichthyidae, Gadidae, Macrouridae, Melanonidae, Merlucciidae, Moridae and Muraenolepididae, live, fresh or chilled	0301.99*; 0302.51 - .59	
			04241	Wild fish of the families Bregmacerotidae, Euclichthyidae, Gadidae, Macrouridae, Melanonidae, Merlucciidae, Moridae and Muraenolepididae, live, fresh or chilled	0301.99*; 0302.51* - .59*	
			04242	Farmed fish of the families Bregmacerotidae, Euclichthyidae, Gadidae, Macrouridae, Melanonidae, Merlucciidae, Moridae and Muraenolepididae, live, fresh or chilled	0301.99*; 0302.51* - .59*	
			0425	Herrings, anchovies, sardines, sardinella, brisling or sprats, mackerel, jack and horse mackerel, cobia and swordfish, live, fresh or chilled	0301.99*; 0302.41 - .49	

			04251	Wild herrings, anchovies, sardines, sardinella, brisling or sprats, mackerel, jack and horse mackerel, cobia and swordfish, live, fresh or chilled	0301.99*; 0302.41* - .49*	
			04252	Farmed herrings, anchovies, sardines, sardinella, brisling or sprats, mackerel, jack and horse mackerel, cobia and swordfish, live, fresh or chilled	0301.99*; 0302.41* - .49*	
			0426	Tunas, skipjack or stripe-bellied bonito, live, fresh or chilled	0301.94*, .95*, .99*; 0302.31 - .39	
			04261	Wild tunas, skipjack or stripe-bellied bonito, live, fresh or chilled	0301.94*, .95*, .99*; 0302.31* - .39*	
			04262	Farmed tunas, skipjack or stripe-bellied bonito, live, fresh or chilled	0301.94*, .95*, .99*; 0302.31* - .39*	
			0429	Other fish, live, fresh or chilled	0301.99*; 0302.81 - .89	
			04291	Other wild fish, live, fresh or chilled	0301.99*; 0302.81* - .89*	
			04291	Other farmed fish, live, fresh or chilled	0301.99*; 0302.81* - .89*	
042	Crustaceans, not frozen; oysters; other molluscs and aquatic invertebrates, live, fresh or chilled					
0421 04210	Crustaceans, not frozen	0306.21 - .29	043	Crustaceans, not frozen (including smoked)		
			0431	Crabs, not frozen	306.24	
			04311	Wild crabs, not frozen	0306.24*	
			04312	Farmed crabs, not frozen	0306.24*	
			0432	Rock lobster and other sea crawfish, not frozen	306.21	

			04321	Wild rock lobster and other sea crawfish, not frozen	0306.21*	
			04322	Farmed rock lobster and other sea crawfish, not frozen	0306.21*	
			0433	Lobsters (Homarus spp.), not frozen	306.22	
			04331	Wild lobsters (Homarus spp.), not frozen	0306.22*	
			04332	Farmed lobsters (Homarus spp.), not frozen	0306.22*	
			0434	Norway lobsters, not frozen	306.25	
			04341	Wild Norway lobsters, not frozen	0306.25*	
			04342	Farmed Norway lobsters, not frozen	0306.25*	
			0435	Cold-water shrimps and prawns (Pandalus spp., Crangon crangon), not frozen	306.26	
			04351	Wild cold-water shrimps and prawns (Pandalus spp., Crangon crangon), not frozen	0306.26*	
			04352	Farmed cold-water shrimps and prawns (Pandalus spp., Crangon crangon), not frozen	0306.26*	
			0436	Other shrimps and prawns, not frozen	306.27	
			04361	Other wild shrimps and prawns, not frozen	0306.27*	
			04362	Other farmed shrimps and prawns, not frozen	0306.27*	
			0439	Other crustaceans, not frozen	306.29	
			04391	Other wild crustaceans, not frozen	0306.29*	
			04392	Other farmed crustaceans, not frozen	0306.29*	
			044	Molluscs live, fresh or chilled		
			0441	Abalone, live, fresh or chilled	0307.81	

			04411	Wild abalone, live, fresh or chilled	0307.81*	
			04412	Farmed abalone, live, fresh or chilled	0307.81*	
0422 04220	Oysters	0307.10	0442	Oysters live, fresh or chilled	0307.11	
			04421	Wild oysters live, fresh or chilled	0307.11*	
			04422	Farmed oysters live, fresh or chilled	0307.11*	
			0443	Mussels live, fresh or chilled	0307.31	
			04431	Wild mussels live, fresh or chilled	0307.31*	
			04432	Farmed mussels live, fresh or chilled	0307.31*	
			0444	Scallops live, fresh or chilled	0307.21	
			04441	Wild scallops live, fresh or chilled	0307.21*	
			04442	Farmed scallops live, fresh or chilled	0307.21*	
			0445	Clams, cockles and ark shells, live, fresh or chilled	0307.71	
			04451	Wild clams, cockles and ark shells, live, fresh or chilled	0307.71*	
			04452	Farmed clams, cockles and ark shells, live, fresh or chilled	0307.71*	
			0446	Cuttle fish and squid live, fresh or chilled	0307.41	
			04461	Wild cuttle fish and squid live, fresh or chilled	0307.41*	
			04462	Farmed cuttle fish and squid live, fresh or chilled	0307.41*	
			0447	Octopus live, fresh or chilled	0307.51	
			04471	Wild octopus live, fresh or chilled	0307.51*	
			04472	Farmed octopus live, fresh or chilled	0307.51*	
0429	Other molluscs and aquatic invertebrates, live, fresh or chilled					

04291	Other molluscs, live, fresh or chilled	0307.21, .31, .41, .51, .91*	0449	Other molluscs, live, fresh or chilled	0307.91*	
			04491	Other wild molluscs, live, fresh or chilled	0307.91*	
			04492	Other farmed molluscs, live, fresh or chilled	0307.91*	
04299	Other aquatic invertebrates, live, fresh or chilled	0307.91*	045	Other aquatic invertebrates, live, fresh or chilled		
			0451	Sea cucumbers, live, fresh or chilled	0308.11	
			04511	Wild sea cucumbers, live, fresh or chilled	0308.11*	
			04512	Farmed sea cucumbers, live, fresh or chilled	0308.11*	
			0452	Sea urchins, live, fresh or chilled	0308.21	
			04521	Wild sea urchins, live, fresh or chilled	0308.21*	
			04522	Farmed sea urchins, live, fresh or chilled	0308.21*	
			0453	Jellyfish, live, fresh or chilled	0308.30*	
			04530	Jellyfish, live, fresh or chilled	0308.30*	
			0459	Other aquatic invertebrates, live, fresh or chilled, n.e.c.	0308.90*	
			04590	Other aquatic invertebrates, live, fresh or chilled, n.e.c.	0308.90*	
049	Other aquatic plants and animals		049	Other aquatic plants and animals		
0491 04910	Coral and similar products, shells of molluscs, crustaceans or echinoderms and cuttle-bone	0508	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	0508.00*	
			04912	Wild live aquatic plants and animals for ornamental purposes	0106.90*, 1212.29*	Review
			04913	Farmed live aquatic plants and animals for ornamental purposes	0106.90*, 1212.29*	Review
0492 04920	Natural sponges of aquatic animal origin	0511.99*	0492 04920	Natural sponges of aquatic animal origin	0511.99*	
0493 04930	Seaweeds and other algae, fresh, frozen or dried, whether or not ground	1212.20	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*	
			04932	Farmed seaweeds and other algae, fresh, frozen or dried, whether or not ground, fit for human consumption	1212.21*	
			04933	Wild seaweeds and other algae, fresh, frozen or dried, whether or not ground, not fit for human consumption	1212.29*	
			04934	Farmed seaweeds and other algae, fresh, frozen or dried, whether or not ground, not fit for human consumption	1212.29*	
***						***
2121 21210	Fish, frozen (excluding fish fillets and fish meat)	0303.11 - .79	2121	Fish, frozen (excluding fish fillets and fish meat)		

			21211	Tilapias, catfish, carp, eels, Nile perch and snakeheads, frozen	0303.23 - .29	
			21212	Salmonidae, frozen	0303.11 - .19	
			21213	Flatfish, frozen	0303.31 - .39	
			21214	Fish of the families Bregmacerotidae, Eulichthyidae, Gadidae, Macrouridae, Melanonidae, Merlucciidae, Moridae and Muraenolepididae, frozen	0303.63 - .69	
			21215	Herrings, anchovies, sardines, sardinella, brisling or sprats, mackerel, jack and horse mackerel, cobia and swordfish, frozen	0303.51 - .57	
			21216	Tunas, skipjack or stripe-bellied bonito, frozen	0303.41 - .49	
			21219	Other fish, frozen	0303.81 - .89	
2123	Fish, dried, whether or not salted, or in brine; smoked incl. fillets; edible fish meal		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	Fish, dried, but not smoked; salted, but not dried or smoked; or in brine	0305.51 - .69	
21232	Fish including fillets, smoked	0305.41 - .49	21232	Fish including fillets, smoked	0305.41 - .49	
21233	Edible fish meal	0305.10	21233	Edible fish meal	0305.10	
			21234	Edible fish offal ; fish fins, heads, tails, maws and other edible fish offal	0305.71 - .79	
2124	Fish, otherwise prepared or preserved; caviar and caviar substitutes		2124	Fish, otherwise prepared or preserved; caviar and caviar substitutes		

21241	Prepared dishes and meals based on fish, molluscs and crustaceans	1604.20*, 1605.10*, .20*, .30*, .40*, .90*		21241	Prepared dishes and meals based on fish, crustaceans, molluscs and other aquatic invertebrates	1604.20*, 1605.10*, .21* - .29*, .30*, .40*, .51*-.57*, 59*, .61* -.69*	
21242	Fish, otherwise prepared or preserved	1604.11 - .19, .20*		21242	Fish, otherwise prepared or preserved	1604.11 - .19, .20*	
21243	Caviar and caviar substitutes	1604.30		21243	Caviar and caviar substitutes	1604.31, .32	
2125	Crustaceans, frozen	0306.11 - .19		2125	Crustaceans, frozen		
				21251	Crabs, frozen	0306.14	
				21252	Rock lobster and other sea crawfish, frozen	0306.11	
				21253	Lobsters, frozen	0306.12	
				21254	Norway lobsters, frozen	0306.15	
				21255	Cold-water shrimps and prawns, frozen	0306.16	
				21256	Other shrimps and prawns, frozen	0306.17	
				21259	Other crustaceans, frozen	0306.19	
2126	Molluscs and other aquatic invertebrates, frozen, dried, salted or in brine			2126	Molluscs and other aquatic invertebrates, frozen, smoked, dried, salted or in brine		
21261	Molluscs, frozen, dried, salted or in brine	0307.29, .39, .49, .59, .99*		21261	Abalone, frozen, smoked, dried, salted or in brine	0307.89	
				21262	Oysters frozen, smoked, dried, salted or in brine	0307.19	
				21263	Mussels frozen, smoked, dried, salted or in brine	0307.39	
				21264	Scallops frozen, smoked, dried, salted or in brine	0307.29	
				21265	Clams, cockles and ark shells, frozen, smoked, dried, salted or in brine	0307.79	
				21266	Cuttle fish and squid frozen, smoked, dried, salted or in brine	0307.49	



			21267	Octopus frozen, smoked, dried, salted or in brine	0307.59	
			21268	Other molluscs, frozen, smoked, dried, salted or in brine	0307.99	
21269	Other aquatic invertebrates, frozen, dried, salted or in brine	0307.99*	21269	Other aquatic invertebrates, frozen, smoked, dried, salted or in brine	0308.19, .29, .30*, .90*	
2127 21270	Crustaceans, otherwise prepared or preserved	1605.10*, .20*, .30*, .40*	2127 21270	Crustaceans, otherwise prepared or preserved	1605.10*, .21*, .29*, .30*, .40*	
2128 21280	Molluscs and other aquatic invertebrates, otherwise prepared or preserved	1605.90*	2128 21280	Molluscs and other aquatic invertebrates, otherwise prepared or preserved	1605.51* - .57*, .59*, 61* - .69*	

21210	Fish, frozen (excluding fish fillets and fish meat)	0303.11 - .79
2122	Fish fillets and meat; fish livers and roes	
21221	Fish fillets and fish meat (whether or not minced), fresh or chilled	0304.11, .12, .19
21222	Fish fillets, frozen	0304.21, .22, .29
21223	Fish meat, whether or not minced, frozen	0304.91, .92, .99
21224	Fish fillets, dried, salted or in brine, but not smoked	0305.30
21225	Fish livers and roes, fresh or chilled	0302.70
21226	Fish livers and roes, frozen	0303.80
21227	Fish livers and roes dried, smoked, salted or in brine	0305.20
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
21232	Fish including fillets, smoked	0305.41 - .49
21233	Edible fish meal	0305.10
2124	Fish, otherwise prepared or preserved; caviar and caviar substitutes	
21241	Prepared dishes and meals based on fish, molluscs and crustaceans	1604.20*, 1605.10*, .20*, .30*, .40*, .90*
21242	Fish, otherwise prepared or preserved	1604.11 - .19, .20*



31210	Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings)	4409		31211	Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings) of coniferous wood	4409.10	
				31212	Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings) of bamboo	4409.21	
				31219	Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings) of other wood	4409.29	
31230	Wood in chips or particles	4401.21, .22		31231	Wood in chips or particles produced in forest	4401.21*, .22*	Review
				31232	Wood in chips or particles produced outside forest	4401.21*, .22*	Review

3141 31410	Plywood consisting solely of sheets of wood, except of bamboo	4412.31 - .39		3141	Plywood consisting solely of sheets of wood, except of bamboo		
				31411	Plywood consisting solely of sheets of wood, of coniferous wood	4412.39	
				31412	Plywood consisting solely of sheets of wood, of non-coniferous wood	4412.31, .32	
3142 31420	Other plywood, veneered panels and similar laminated wood, except of bamboo	4412.94, .99		3142	Other plywood, veneered panels and similar laminated wood, except of bamboo		
				31421	Other plywood, veneered panels and similar laminated wood, of coniferous wood	4412.94*, .99*	
				31422	Other plywood, veneered panels and similar laminated wood, of non-coniferous wood	4412.94*, .99*	
31430	Particle board and similar board of wood or other ligneous materials	4410		3143	Particle board and similar board of wood or other ligneous materials		
				31431	Particle board	4410.11	
				31432	Oriented strand board (OSB)	4410.12	
				31439	Other board of wood or other ligneous materials	4410.19, .90	

31440	Fibreboard of wood or other ligneous materials	4411		3144	Fibreboard of wood or other ligneous materials		
				31441	Medium density fibreboard (MDF)	4411.12 - .14	
				31442	Hardboard	4411.92	
				31449	Other fibreboard	4411.93 - .94	
3151 31510	Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness not exceeding 6 mm	4408		3151	Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness not exceeding 6 mm		
				31511	Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness not exceeding 6 mm, of coniferous wood	4408.10	
				31512	Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness not exceeding 6 mm, of non-coniferous wood	4408.31 - .90	
39280	Sawdust and wood waste and scrap	4401.30		39281	Wood pellets	4401.31	<a href="#">See also item 25</a>
				39282	Wood briquettes	4401.39*	
				39289	Other wood waste and scrap	4401.39*	

### 19 - Proposal for new structure for image projectors

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
4832	Photographic equipment			4832	Photographic equipment		No change in title (but in scope)
48321	Objective lenses for cameras, projectors or photographic enlargers or reducers	9002.11		48321	Objective lenses for cameras, projectors or photographic enlargers or reducers	9002.11	No change
48322	Photographic (including cinematographic) cameras	9006.10-.59, 9007.11, .19		48322	Photographic (including cinematographic) cameras	9006.10-.59, 9007.11, .19	No change
48323	Cinematographic projectors, slide projectors and other image projectors, except microform readers	9007.20, <b>9008.10,.30</b>		48323	Cinematographic projectors	9007.20	Reduced scope; new title
48324	Photographic flashlight apparatus, including flashbulbs; photographic (except cinematographic) enlargers and reducers; apparatus and equipment for photographic laboratories n.e.c.; negatoscopes and projection screens	9006.61,.69, <b>9008.40</b> , 9010.10-.60					Deleted (moved to residual)
48330	Microfilm, microfiche or other microform readers	<b>9008.20</b>					Deleted (moved to residual)

				48329	Other photographic equipment	9006.61.,69, <b>9008.50</b> , 9010.10-.60	New residual category combining 48330, 48324 and parts of 48323
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## 20 - Proposal for new structure for biodiesel

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
33360	Gas oils	2710.19*		33360	Gas oils	2710.19*, 3826.00*	This now includes mixtures of biodiesel and oil.
35490	Other chemical products n.e.c.	3802.10, 3809, 3810, 3812, 3815, 3817, 3824.10 - .40, .60 - .90		35491	Biodiesel	3826.00*	
				35499	Other chemical products n.e.c.	3802.10, 3809, 3810, 3812, 3815, 3817, 3824.10 - .40, .60 - .90	

## 22 - Proposal for edible fish offal

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
2123	Fish, dried, whether or not salted, or in brine; smoked incl. fillets; edible fish meal			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	Fish, dried, but not smoked; salted, but not dried or smoked; or in brine	0305.51 - .69	HS link updated
21232	Fish including fillets, smoked	0305.41 - .49		21232	Fish including fillets, smoked	0305.41 - .49	
21233	Edible fish meal	0305.10		21233	Edible fish meal	0305.10	
				21234	Edible fish offal; fish fins,	0305.71 - .79	New subclass

					heads, tails, maws and other edible fish offal		
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### 23 - Proposal for new structure for Black liquor

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
39230	Residual lyes from the manufacture of wood pulp, including lignin sulphonates, but excluding tall oil	3804.00		39231	Black liquor	3804.00*	
				39239	Other residual lyes from the manufacture of wood pulp, including lignin sulphonates, but excluding tall oil	3804.00*	

### 24 - Proposal for new structure for Bagasse

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
39140	Beet-pulp, bagasse and other waste of sugar manufacture	2303.20		39141	Bagasse	2303.20*	
				39149	Beet-pulp and other waste of sugar manufacture	2303.20*	

### 25 - Proposal for new structure for wood pellets

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
							See last part of structure for item 15



**26 - Proposal for new structure for Ethylene, propylene, butylene, butadiene**

CPC v.2		HS2007		CPC v.2.1		HS2012	Comment
33420	Ethylene, propylene, butylene, butadiene and other petroleum gases or gaseous hydrocarbons, except natural gas	2711.14, .19, .29		33421	Ethylene, propylene, butylene, butadiene	2711.14	
				33429	Other petroleum gases or gaseous hydrocarbons, except natural gas	2711.19, .29	

## ***Annex 2 – Background info for FAO-based proposals***

### **AGRICULTURE (CROPS, LIVESTOCK AND DERIVED PRODUCTS, FERTILIZERS)**

#### **1) Cereals**

**Proposal:**

To delete 01190 “Other cereals” and replace it with the subclasses 01191 “Triticale” (a cross between wheat and rye, combining the quality and yield of wheat with the hardness of rye), 01192 “Buckwheat” (cultivated primarily in northern regions), 01193 “Fonio” (of great importance in West Africa), 01194 “Quinoa” (it tolerates high altitudes, and is cultivated primarily in Andean countries), 01195 “Canary seed” and 01199 “Other cereals n.e.c.”.

**CPC items concerned:**

01190

**Rationale:**

To add detail in CPC given the important nutrition values of these crops. These cereals are included in the FAOSTAT commodity list and data are available.

**Link to HS:**

One-to-one. Buckwheat was already classified in HS 2007 (1008.10); the others have been introduced in the new HS 2012 (1008.30 “Canary seeds”, 1008.40 “Fonio (*Digitaria* spp.)”, 1008.50 “Quinoa (*Chenopodium quinoa*)”, 1008.60 “Triticale”)

#### **2) Chicory roots**

**Proposal:**

To delete 01690 “Stimulant, spice and aromatic crops” and to replace it with 01691 “Chicory roots” and 01699 “Other stimulant, spice and aromatic crops n.e.c.”

**CPC items concerned:**

01690

**Rationale:**

To increase detail. Chicory roots is included in the FAOSTAT commodity list and data is available.

**Link to HS:**

One-to one. Chicory roots has been introduced in the new HS 2012 (1212.94)

### 3) Livestock, equines

**Proposal:**

To delete 02130 “Horses and other equines” and to replace it with 02131 “Horses”, 02132 “Asses” and 023133 “Mules and hinnies”.

**CPC items concerned:**

02130

**Rationale:**

To add detail in CPC in order to be able to singularly identify these animals. These items are currently in the classifications used by FAOSTAT.

**Link to HS:**

One-to-one. Horses, asses and mules and hinnies have been introduced in the new HS 2012 (0101.2 “Horses”, 0101.30 “Asses”, 0101.90 “Other -mules and hinnies-”)

### 4) Eggs

**Proposal:**

To expand the scope of the classes 0231 “Hen eggs in shell, fresh” and 0232 “Eggs from other birds in shell, fresh, n.e.c.” to cover total eggs (including eggs for hatching); detail on eggs for hatching is given at subclass level. This implies:

- To delete 02310 “Hen eggs in shell, fresh” and replace it with 02311 “Hen eggs in shell fresh, for hatching” and 02312 “Other hen eggs in shell fresh”.
- To delete 02320 “Eggs from other birds in shell, fresh, n.e.c.” and to replace it with 02321 “Eggs from other birds in shell fresh, for hatching” and 02322 “Other eggs from other birds fresh in shell n.e.c”.
- To delete 02330 “Eggs for hatching”.

**CPC items concerned:**

0231, 02310, 0232, 02320, 0233, 02330

**Rationale:**

The current CPC is fully in line the HS. However, data on production of eggs are generally less detailed than those on trade and are available in terms of *total* eggs, either from hen or from other birds. In many countries the production of eggs for hatching *per se* is barely available. The modification proposed would facilitate production data reporting: when detail is not available, the country can report total data at 4 digits level; if detail on eggs for hatching is available, then data can be reported at 5 digits level.

**Link to HS:**

One-to-one. Harmonization with HS is maintained at subclass level

## 5) Kola nuts

### **Proposal:**

To delete 03230 "Wild edible products" and to replace it with 03231 "Kola nuts" and 03239 "Other wild edible products n.e.c.". Kola nuts are produced mainly in Africa, they are commonly chewed and largely used in the production of beverages.

### **CPC items concerned:**

03230

### **Rationale:**

To increase detail. A class for Kola nuts is included in the FAOSTAT commodity list and data is available.

### **Link to HS:**

One-to-one. Kola nuts have been introduced in the new HS 2012 (0802.70).

## 6) Vegetable oils

### **Proposal:**

- To split group 215 into 2 groups (i.e. 215 "Animal fats" and 216 "Vegetable oils").
- The new group 216 "Vegetable oils" to cover the current classes 2153 "Vegetable oils, crude" and 2154 "Vegetable oils, refined".
- To reorganize subclasses in a way that at 4 digits vegetable oils include both crude and refined oil; detail on oil crude or refined is given at subclass level

[As a consequence of this proposal, the current class 2155 "Margarine and similar preparations" may become group 217 (this is a side effect of the change proposed above but not an aim of the proposal); group 216 "Cotton linters" would be re-numbered as 218; group 217 "Oil-cake and other residues [...]" would be re-numbered as 219. All subclasses remain the same but are reorganized.]

### **CPC items concerned:**

215, 2153, 21531-21539, 2154, 21541-21549, 2155, 21550, 2159, 21590, 216, 21600, 217, 2171, 21710, 2172, 21720, 2173, 21731, 21732.

### **Rationale:**

The aim of this proposal is to facilitate reporting of production data, and avoid double counting or loss of information. The FAOSTAT concept of oils includes raw, refined and fractioned oils -but not chemically modified oils-. Break-down for crude and refined is not given in the FAOSTAT classification as the production of oil is generally reported in terms of crude oil, eventually

including refined oils converted in terms of crude equivalent. It is important that the CPC introduces an aggregated class to cover all products (both crude and refined).

**Link to HS:**

One-to-one, both at subclass and class level. Harmonization with the HS would be maintained at subclass level and increased at class level (HS classifies oils crude + refined together at 5 digits level, giving detail at 6 digits)

## 7) Groats and pellets

**Proposal:**

To expand the scope of the classes 2311 “Wheat and meslin flour” and 2312 “Other cereal flours” to cover groats, meals and pellets; detail is given at subclass level. This implies:

- To delete 23110 “Wheat and meslin flour” and replace it with 23111 “Wheat and meslin flour” and 23112 “Groats, meal and pellets of wheat”.
- To delete 23120 “Other cereal flours” and to replace it with 23121 “Other cereal flours” and 23122 “Groats, meal and pellets of other cereals”.
- To delete 23130 “Groats, meal and pellets of wheat and other cereals”.

**CPC items concerned:**

2311, 23110, 2312, 23120, 2313, 23130

**Rationale:**

The current structure follows the HS. However, production data on flours, groats, meal and pellets is generally less detailed than trade data. The aim of this proposal is to facilitate data reporting when detailed data on the production of groats, meals and pellets is not available, while leaving the possibility to report detailed information at subclass level. The FAOSTAT concept defines flour in a broad way to cover also groats, meal and pellets. This modification would allow countries to report more aggregated data at 4 digits level while maintaining detail at 5 digits level.

**Link to HS:**

Link to HS does not change. One-to-one except for pellets.

## 8) Fertilizers

**Proposal:**

Increase detail in line with the HS, and in one case beyond HS (34621). In one case the introduction of a more aggregated class is proposed (34651+34652).

**CPC items concerned:**

34619, 34621, 34641, 34644, 34651, 34652, 34659

**Rationale:**

CPC is currently too aggregated and not helpful for collecting statistics on production, trade and consumption of fertilizers. In FAOSTAT a more detailed list is used. Availability of fertilizers in countries is becoming a critical issue while to get detailed data is extremely important to estimate the country potential productivity, greenhouse gas (GHG) emission and agriculture contribution to climate change.

**Link to HS:**

A similar proposal for the review of fertilizers will be submitted to the HS Review Sub-Committee for the HS2017.

## **FISHERIES AND AQUACULTURE**

### **9) Separation of Aquaculture primary products and capture fishery primary products**

**Proposal:**

- To create new sub-classes to in principle all biological categories in order to distinguish between aquaculture primary products and capture fishery primary products in Division 04.
- In order to allow these new sub-classes, to upgrade existing sub-classes that correspond to biological groups to classes but simultaneously to introduce more detailed biological groupings in consistent with HS2012, as indicated in 11), 12) and 13).
- This would also require modification at groups and the proposed groups under Division 04 are:
  - 041: Fishes, live, fresh or chilled, not human consumption [see also point 12]
  - 042: Fish live, fresh or chilled, not covered by 041 [see also point 12]
  - 043: Crustaceans, not frozen (including smoked)
  - 044: Molluscs live, fresh, smoked or chilled
  - 045: Other aquatic invertebrates, live, fresh, smoked or chilled
  - 049: Other aquatic plants and animals [no changes]

**CPC items concerned:**

All items under Division 04.

**Rationale:**

Strength of CPC is a close link with activities, i.e. ISIC, that producing commodity items, therefore by using CPC there is no need to place of additional layer of classifications to identify corresponding activities.

The current CPC combines primary products produced by capture fisheries, i.e. products of hunting activities harvested directly from natural environments, and those produced by aquaculture, i.e. products of farming and cultivation under human control. Although both producing fish and other products of aquatic species, fisheries and aquaculture are completely different type of activities in nature and require independent management and monitoring. Especially, capture fisheries interferes directly with natural environments and ecosystems and the monitoring and assessment of the impacts of fishing activities to natural resources is a critical basis of fishery management. Under the situation where aquaculture production contributes close to half of fish and other aquatic products for direct human consumption, combined figure of production provides least useful data for fisheries and aquaculture management.

This introduction of new sub-classes would facilitate for FAO to accept CPC as a standard aggregation for agriculture products in broad-sense. The split of aquaculture and capture fishery origins should be only applied to primary products, since at the processing, manufacture and market levels, the information on origin of products are often lost. From the same reason, the split of aquaculture and capture fishery origins has not been introduced into HS.

**Link to HS and ISIC:**

This split provides better link with ISIC, i.e. sub-classes covering wild products corresponding mainly with ISIC-0311 and 0312, and sub-classes covering farmed products mainly with ISIC-0321 and 0322. This would provide better link with HS at class level, not at sub-class level, that generally contains two sub-classes for Division 04.

## **10) Separation of live fish and fresh or chilled fish in primary production**

**Proposal:**

To modify split between class 0411 'Fish, live' and class 0412 'Fish, fresh or chilled' as follows and also shift from class to group to address the requirement described in 9):

- 041 'Fish, live, not for human consumption' and
- 042 'Fish live, fresh or chilled, not covered by 041'

Correspondingly sub-classes under 0411 are proposed to modify and shift to classes as follows:

- 0411 'Ornamental fish' [No change but raised from sub-class to class]
- 0419 'Other live fish, not for human consumption, including seeds and feeds for aquaculture' [New class]

Proposed modifications under 042 are described in points 11), 12) and 13).

**CPC items concerned:**

0411, 04111, 04119, 0412

**Rationale:**

Primary production of aquatic products can be produced and traded either in live, fresh or chilled and proportion among live, fresh or chilled varies significantly, depending on species, seasons, food culture, local customs and habits and marketing conditions etc. Due to wide variation, dynamic nature, and commonly co-existing marketing in 'live' and 'fresh, chilled' for same species at same time, monitoring productions separated between 'fish, live' and 'fish, fresh or chilled' as current is not pragmatic.

At the same time, there are cases that produced commodities must be alive (e.g. ornamental products for aquarium, aquaculture seeds either in fertilized eggs or fingerlings, breeding stocks, etc), which are often subject to international trade.

Therefore, FAO proposes to keep 'fish, live' component that would not be targeted for non-human consumption as a separate group as 041, and the remaining primary fish products to be combined into one group of 042 regardless its condition. The latter is consistent with the way handled for aquatic products other than fish in the CPC.

**Link to HS and ISIC:**

This modification disconnects the link between the current CPC subclass 04119 with HS-2012 0301.91-99. HS-2012 0301.91-99 (i.e. Other live fish) represented 6 % of whole fish traded as

live, fresh or chilled (i.e. those corresponding to CPC Division 04 in 2008. In the same year, about 35 % of fish produced was internationally traded as fish, live, fresh, or chilled.

Link with ISIC was described in the point 9).

## **11) Introduce consistent and more detailed structure in biological groupings for fish**

### **Proposal:**

Introduce biological groupings for fish by splitting 04120 and 21210 into seven sub-classes, respectively. All split of 04120 are classified as class in order to address the requirement described in the point 9). The level of biological groupings is consistent with those adopted in sub-heading level of HS-2012.

### **CPC items concerned:**

04120, 21210

### **Rationale:**

The current CPC treats all fish as one group which is not adequate for monitoring and analyzing economic and food security contribution of fish products.

### **Link to HS and ISIC:**

This modification improves a link with HS-2012. Link with ISIC was described in the point 9).

## **12) Introduce consistent and more detailed structure in biological groupings for crustaceans**

### **Proposal:**

- Introduce biological groupings for crustaceans by splitting 04210 and 21250 into seven sub-classes, respectively. All split of 04210 are classified as class in order to address the requirement described in the point 9). The level of biological groupings is consistent with those adopted in HS-2012.
- Include 'smoked' into all sub-classes under class 0421, not under class 2127.

### **CPC items concerned:**

04210, 21250

### **Rationale:**

This modification improves a link with HS-2012 and improves capacity to monitor and analyze economic and food security contribution of crustacean products. The modifications also intend to be consistent with HS-2012 in treatment of 'smoked' products

### **Link to HS and ISIC:**

This modification improves a link with HS-2012. HS link of 21270 is also updated relating with smoked products. Link with ISIC was described in the point 9).



### **13) Molluscs and other aquatic invertebrates**

**Proposal:**

- Modify split between class 0422 and class 0429 to represent taxonomic groupings between molluscs and other aquatic invertebrates.
- Introduce biological groupings for molluscs and other aquatic invertebrates by splitting 04220 and 21261 into eight sub-classes, respectively 04291 into three sub-classes. All split of 04220 are classified as class in order to address the requirement described in the point 9). The level of biological groupings is consistent with those adopted in HS-2012.
- Include 'smoked' into all sub-classes under class 2126, not under classes 0422 and 0429.

**CPC items concerned:**

0422, 04220, 0429, 04291, 21261

**Rationale:**

This modification improves a link with HS-2012 and becomes more consistent with taxonomic classifications. It also improves capacity to monitor and analyze economic and food security contribution of mollusks and other aquatic invertebrate products. The modifications also intend to be consistent with HS-2012 in treatment of 'smoked' products

**Link to HS and ISIC:**

This modification improves a link with HS-2012. HS link with 21269 and 21280 is also updated relating with smoked products. Link with ISIC was described in the point 9).

### **14) Other aquatic plants and animals**

**Proposal:**

Introduce further details in 04910 and 04930.

**CPC items concerned:**

04910, 04930

**Rationale:**

In order to improve consistency with HS-2012.

**Link to HS and ISIC:**

This modification improves a link with HS-2012. Link with ISIC was described in the point 9).

## **FORESTRY**

### **15) Expand detail of CPC section on forest products according to the structure used by FAO**

**Proposal:**

To expand the scope of the following classes:

- 0313 “Fuel wood, in logs, in billets, in twigs, in faggots or in similar forms”
- 3110 “Wood, sawn or chipped lengthwise, sliced or peeled, of a thickness exceeding 6 mm; railway or tramway sleepers (cross-ties) of wood, not impregnated”
- 3121 “Wood, continuously shaped along any of its edges or faces (including strips and friezes for parquet flooring, not assembled, and beadings and mouldings)”
- 3123 “Wood in chips or particles”
- 3141 “Plywood consisting solely of sheets of wood, except of bamboo”
- 3142 “Other plywood, veneered panels and similar laminated wood, except of bamboo”
- 3143 “Particle board and similar board of wood or other ligneous materials”
- 3144 “Fibreboard of wood or other ligneous materials”
- 3151 “Veneer sheets and sheets for plywood and other wood sawn lengthwise, sliced or peeled, of a thickness not exceeding 6 mm”
- 3928 “Sawdust and wood waste and scrap”

This implies:

- Split class 0313 into 2 subclasses (i.e. 03131 “... of coniferous wood” and 03132 “... of non-coniferous wood”)
- Split class 3110 into 3 subclasses (i.e. 31101 “... of coniferous wood”, 31102 “... non-coniferous wood” and 31109 “Railway or tramway sleepers (cross-ties) of wood, not impregnated”)
- Split class 3121 into 3 subclasses (i.e. 31211 “... of coniferous wood”, 31212 “... of bamboo” and 31219 “... of other wood”)
- Split class 3123 into 2 subclasses (i.e. 31231 “... produced in forest” and 31232 “... produced outside forest”)
- Split class 3141 into 2 subclasses (i.e. 31411 “... of coniferous wood” and 31412 “...of non-coniferous wood”)
- Split class 3142 into 2 subclasses (i.e. 31421 “... of coniferous wood” and 31422 “...of non-coniferous wood”)
- Split class 3143 into 3 subclasses (i.e. 31431 “Particle board”, 31432 “Oriented strand board (OSB)” and 31439 “Other board of wood or other ligneous materials”)
- Split class 3144 into 3 subclasses (i.e. 31441 “Medium density fibreboard (MDF)”, 31442 “Hardboard” and 31449 “Other fibreboard”)
- Split class 3151 into 2 subclasses (i.e. 31511 “... of coniferous wood” and 31512 “...of non-coniferous wood”)
- Split class 3928 into 2 subclasses (i.e. 39281 “Wood pellets”, 39282 “Wood briquettes” and 39289 “Other wood waste and scrap”)

**CPC items concerned:**

03130, 31100, 31210, 31230, 31410, 31420, 31430, 31440, 31510, 39280.

**Rationale:**

To increase detail in order to supply information needed for international system, particularly climate change, millennium development goals and long-standing structure of data collection.

Proposed CPC sub-classes are included in the commonly agreed FAO/Eurostat/ITTO/UNECE forest products commodity list and data is available.

**Link to HS and ISIC:**

- HS2012: one-to-one or one-to-many at subclass level (CPC) to subheading level (HS) in most cases
- Only in three cases it is proposed to add detail beyond HS2012:
  - 03131, 03132 – necessary to develop fuller understanding of forest use, complements existing coniferous/non-coniferous structure of wood for industrial use
  - 31231, 31232 – these two products belong to different economic activities (in ISIC Rev.4: 0220 and 1610, respectively) and it is important to have these products (wood chips) separated by origin in raw material flow analyses. In the first case chips are a direct product, in the second case they are a co-product.
  - 39282, 39289 - separation of wood pellets (implemented in HS2012) will need to be expanded to cover other forms of densified wood products for energy, i.e. wood briquettes.

### ***Annex 3 – Background info for HS- and SIEC-based proposals***

Background information for HS-based proposals can be found in the document “Impact of the HS 2012 amendments on CPC Version 2” (ESA/STAT/AC.234/16), submitted to the Expert Group meeting in May 2011.

Background information for SIEC-based proposals can be found in the document “The Standard International Energy Product Classification (SIEC) and its relationship with the Central Product Classification (CPC)” (ESA/STAT/AC.234/14), submitted to the Expert Group meeting in May 2011.