

Forest Products Classification and Definitions – New proposal

Team of Specialists on Forest Products Statistics 28 March 2017





Outline

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- 2. Classification and definitions of forest products (1982)
- 3. Proposal of the new classification
- 4. Classification scope
- 5. Classification criteria and coding system
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History

- In 1973 the first version of the FAO Classification and Definitions of Forest Products was published
- In 1982 the second version with the name "Classification and definitions of forest products" was published. It should have been taken into account of
 - revisions of SITC and HS
 - changes in technology, industry and trade practice
 - appearance of new products

Classification and definitions of forest products (1982)

FAO FORESTRY PAPER
ÉTUDE FAO: FORÊTS
ESTUDIO FAO: MONTE

ode	Number	Heading and Definitions			13
	512 522	Vencer sheets	CCCN (present)	ISIC	BEC
	522	Thin layer or sheets of wood of uniform thickness, usually 5 mm or less in thickness, usually peeled or sliced, for use in making plywood, for veneering furniture, veneer containers, etc. This heading is taken also to include sheets composed of two layers of veneer wood bonded together; and veneer lined with paper, plastic or textile material. Also included is chipwood (flexible, narrow, thin and even strips of wood of a kind used for plaiting and for making chip-baskets, match-boxes (etc.).	14.05 44.01A 44.03 44.04	1220	21 31
	5121 5221	Veneer sheets, decorative Veneer sheets whose face veneer has an attractive appearance due to figure, colour, grain, lustre, etc. They may be produced by slicing or peeling.	44.01A 44.03A		21 31
	1211 2211	Veneer sheets, decorative, for plywood (face)	44.03B 44.03D 44.04A		
		Decorative veneer sheets for the manufacture of plywood. Because of its specific decorative characteristics this material is usually used on the face of plywood.	44.03B		21
-	1212	Veneer sheets, decorative, for other purposes	44.03D 44.04A		
		Decorative veneer sheets not intended for the manufacture of plywood. Possible uses are the veneering of furniture, sawnwood, or panels other than plywood, or marquetry and inlay work.	44.03B 44.03D 44.04A		
	5122 5222	Veneer sheets, non-decorative Veneer sheets, usually peeled, without specific decorative characteristics	44.048		
5	1221	They are often used for the cores of plywood. Veneer sheets, non-decorative, for plywood			
-	2221	Non-decorative veneer sheets used for the manufacture of plywood. They may either be used in the core or for the face of those plywoods for which a face of decorative veneer sheets is not considered necessary.	44.03D 44.04A		
	1222	Veneer sheets, non-decorative, for other purposes			
		Non-decorative veneer sheets not used for the manufacture of plywood. Included in this item are chipwood and veneer sheets for match boxes, etc.			

Classification and definitions of forest products (1982)

Main classification criteria

- chief component material
- stage of manufacture
 - √ crude materials
 - ✓ products of first processing
 - ✓ products of further processing
- technology applied in production
- purpose or intended use

Proposal of the new classification

 In 2015 the Intersecretariat Working Group decided to update the Classification and definitions of forest products issued in 1982

Requirements

- ✓ maintain similar structure and scope with the preceding classification
- ✓ incorporate Joint Forest Section Questionnaire's (JFSQ) definitions
- ✓ add as annex joint ATIBT-FAO-ITTO Nomenclature of Tropical Wood
- ✓ incorporate wood and paper products not covered by JFSQ.

Proposal of the new classification

- FAO project "Guidelines for data collection of national forest products statistics"
 - funded by Global Strategy for Improving Agricultural Statistics
 - includes revision of FAO classification of forest products
 - October 2015 December 2016

Forest Products Classification and Definitions (2016)

- Published as a Working Paper No. 14 in December 2016
- Accessible on the Global Strategy webpage http://gsars.org/en/category/publications/technicalreports/
- Living document open for all relevant comments, suggestions and proposals

Forest Products Classification and Definitions (2016)

The document is divided into five chapters and two annexes:

- 1) Historical background
- 2) Classification scope
- 3) Classification structure and criteria
- Correspondences with the major classification systems
 - Annex I Correspondence Tables
- 5) Forest products definitions
 - Annex II Forest Products Definitions

Classification scope

It includes:

- ✓ All part of trees
 - main stem, branches, tops, stumps, roots, bark, leaves, needles
- ✓ Cover each principal stage of operation from the initial felling of the tree to the manufacture of secondary products
 - primary wood products
 - primary paper products
 - secondary wood products (not covered by previous classification)
 - secondary paper products (not covered by previous classification)
- ✓ Wood and wood-based products
 - for which IWG members collect statistics via JFSQ
 - for which IWG members do not collect statistics via JFSQ, but which are defined and used in international trade (HS)
 - new wood and paper products not covered by JFSQ, nor HS

Classification scope

<u>It excludes:</u>

- ✓ Non-wood forest products
 - nuts, berries, seeds, etc.
- ✓ Wood derivates
 - tall oil, turpentine, etc.
- ✓ Forestry operation and services

Classification scope

SECTIONS – are the first-level groups of the classification:

- 01 Wood in the rough (Roundwood)
- 02 Wood simply worked or processed
- 03 Wood chips and particles, residues and recoverable wood products
- 04 Wood pellets and other agglomerates
- 05 Sawnwood
- 06 Veneer sheets
- 07 Wood-based panels (including panels from other ligno-cellulosic materials)
- 08 Wood pulp
- 09 Other pulp
- 10 Recovered paper
- 11 Paper and paperboard
- 12 Cork
- 13 Secondary wood products
- 14 Secondary paper products

Classification criteria

- ➤ The variability of wood, paper and paperboard products does not allow to use the same criterion on the same level in each section of forest products.
- ➤ The classification criteria were then structured according to their importance for classification of particular section of forest products.

The coding system for the present classification has seven levels divided by dot on:

01	Sections	(2-digit)
011.	Divisions	(3-digit)
011.1	Groups	(4-digit)
011.11	Subgroups	(5-digit)
011.111	Classes	(6-digit)
011.1111	Subclasses	(7-digit)

Classification criteria

- 1) Wood origin for the primary wood products
 - ✓ Wood in the rough, wood processing industry, recovered wood
- 2) Wood species origin
 - ✓ Except particle boards, OSB, densified wood, fibreboards, combination boards
- 3) Stage of manufacture
 - ✓ Wood simply worked, wood pulp, cork, secondary products
- 4) Chief component material
 - ✓ Wood based products, other ligno-cellulosic materials
- 5) Technology applied in the production process
 - ✓ Treated x untreated, wood pulp
- 6) Purpose or intended use
 - ✓ Mainly for the subgroups of the group Wood in the rough

01 WOOD IN THE ROUGH

011. Wood fuel (including wood for charcoal)

011.1 Wood fuel from the main stem and branches

011.11 Tree-species origin (coniferous; tropical non-coniferous; other)

011.111 Intended use (for pellets; for other uses)

011.9 Other wood fuel (from other parts of the tree)

011.91 Part of the tree (tops, small branches and twigs; stumps and roots; bark; etc.)

011.911 Tree-species origin (coniferous; tropical non-coniferous; other)

011.9111 Intended use (for pellets; for other uses)

012. Wood in the rough other than wood fuel

012.1 Wood in the rough from the main stem and branches

012.11 Assortment (sawlogs and veneer logs; pulpwood round and split; etc.)

012.111 Tree-species origin (coniferous; tropical non-coniferous; other)

012.1111 Intended use (for sawnwood and railway sleepers; for veneer sheets, etc.)

012.2 Wood in the rough other than from the main stem and branches

012.21 Part of the tree (tops, small branches and twigs; stumps and roots; bark; etc.)

012.211 Tree-species origin (coniferous; tropical non-coniferous; other)

012.2111 Intended use (for pellets; for other uses)

02 WOOD SIMPLY WORKED OR PROCESSED

021. Wood charcoal

021.1 Tree-species origin (coniferous; other)

021.11 Intended use (for energy; for other uses)

022. Torrefied wood

022.1 Tree-species origin (coniferous; other)

022.11 Intended use (for energy; for other uses)

023. Roundwood treated with preservatives

023.1 Tree-species origin (coniferous; other)

023.11 Intended use (poles; pilings; posts; other)

024. Roughly trimmed wood

024.1 Tree-species origin (coniferous; other)

024.11 Intended use (hoopwood; split poles; pointed piles, pickets and stakes; etc.)

025. Wood wool

025.1 Tree-species origin (coniferous; other)

026. Wood flour

026.1 Tree-species origin (coniferous; other)

027. Wood fuel simply worked

027.1 Tree-species origin (coniferous; other)

027.11 Degree of processing (split; other)

028. Other wood simply worked n.e.c.

028.1 Tree-species origin (coniferous; other)

028.11 Intended use (riven or sawn staves, unfinished;

shingles; shakes; other)

03 WOOD CHIPS AND PARTICLES, RESIDUES AND RECOVERABLE WOOD PRODUCTS

031. Wood residues (including wood for agglomerates)

- 031.1 Characteristic of the material (solid wood processing residues; sawdust; shavings; bark)
- 031.11 Tree-species origin (coniferous; other)
- 031.111 Intended use (for pulp; particle board; etc.)

032. Wood chips and particles

- 032.1 Material origin (from wood in the rough; from wood processing; from recovered wood)
- 032.11 Tree-species origin (coniferous; other)
- 032.111 Intended use (for pulp; particle board; etc.)

033. Recoverable wood products

- 033.1 Characteristic of the material (uncontaminated; contaminated)
- 033.11 Tree-species origin (coniferous; other)
- 033.111 Intended use (for pulp; particle board, etc.)

04 WOOD PELLETS AND OTHER AGGLOMERATES

041. Wood pellets

041.1 Tree-species origin (coniferous; other)

041.11 Intended use (for energy; for other uses)

042. Wood agglomerates

042.1 Tree-species origin (coniferous; other)

042.11 Intended use (for energy; for other uses)

05 SAWNWOOD

051. Coniferous sawnwood

051.1 Stage of manufacture (sleepers; sawnwood rough; sawnwood planed)

051.11 Treatment (treated or impregnated; other)

052. Tropical non-coniferous sawnwood

052.1 Stage of manufacture (sleepers; sawnwood rough; sawnwood planed)

052.11 Treatment (treated or impregnated; other)

053. Other non-coniferous sawnwood

053.1 Stage of manufacture (sleepers; sawnwood rough; sawnwood planed)

053.11 Treatment (treated or impregnated; other)

06 VENEER SHEETS

061. Decorative veneer sheets

061.1 Tree-species origin (coniferous; tropical non-coniferous; other)

061.11 Intended use (for plywood; for other purposes, etc.)

062. Non-decorative veneer sheets

062.1 Tree-species origin (coniferous; tropical non-coniferous; other)

062.11 Intended use (for plywood; for other purposes, etc.)

07 WOOD-BASED PANELS

071. Plywood

071.1 Construction (veneer plywood; core plywood; cellular board)

071.11 Tree-species origin (coniferous; tropical non-coniferous; other)

071.111 Intended use (interior grade; exterior grade) or by finish (blockboard; laminboard; etc.)

072. Particleboard

072.1 Component material (wood; other ligno-cellulosic material)

072.11 Type of product or process (waferboard; extruded particle board; flaxboard; etc.)

073. Oriented strandboard (OSB)

073.1 Purpose (general or interior fitments; load-bearing; heavy-duty load-bearing)

073.11 Intended use (dry conditions; other)

074. Fibreboard

074.1 Production process type (dry process; wet process) 074.11 Density (high; medium; low) 074.111 Treatment (only for softboard – treated; untreated)

075. Densified wood

076. Combination board

076.1 Type of combination (particle board covered on one or both faces with fibreboard; etc.)

077. Other panels based on wood or other lignocellulosic materials

077.1 Bonded material (cement; mineral bonds; other) 077.11 Type of product (cement bonded particle boards; gypsum fibreboard; etc.)

08 WOOD PULP

081. Mechanical wood pulp

- 081.1 Production process type (stone groundwood; pressurised stone groundwood; etc.)
- 081.11 Degree of processing (bleached; unbleached)
- 081.111 Tree-species origin (coniferous; other)

082. Semi-chemical wood pulp

- 082.1 Production process type (semi-chemical pulp; chemi-mechanical pulp)
- 082.11 Degree of processing (bleached; unbleached)
- 082.111 Tree-species origin (coniferous; other)

083. Chemical wood pulp

- 083.1 Production process type (soda or sulphate; sulphite)
- 083.11 Degree of processing (bleached; unbleached)
- 083.111 Tree-species origin (coniferous; other)

084. Dissolving pulp

- 084.1 Production process type (soda or sulphate; sulphite)
- 084.11 Tree-species origin

09 OTHER PULP

091. Pulp from fibres other than wood

091.1 Pulp origin (dissolving pulp; other than dissolving pulp)

091.11 Chemical process for dissolving pulp (soda or sulphate; sulphite) or raw material for other than dissolving pulp (cotton linters; bamboo; etc.)

091.111 Production process for other pulp (mechanical; semi-chemical; chemical)

092. Recovered fibre pulp

092.1 Pulp origin (fibres derived from recovered paper or paperboard)

092.11 Degree of processing (bleached; unbleached)

10 RECOVERED PAPER

- 101. Unbleached kraft paper or paperboard or corrugated paper or paperboard
- 102. Other paper or paperboard made mainly of bleached chemical pulp, not coloured in the mass
- 103. Paper or paperboard made mainly of mechanical pulp (newspapers, journals and similar)
- 109. Other, including unsorted waste and scrap

11. PAPER AND PAPERBOARD

111. Graphic papers

- 111.1 Grade of finishing and brightness (newsprint; uncoated; coated)
- 111.11 Wood-fibre source (mechanical; wood free)
- 111.111 Type of product (hand-made paper and paperboard; light-weight coated paper, carbon paper, etc.)

112. Sanitary and household papers

112.1 Type of product (toilet or facial tissue stock, towel or napkin stock and similar paper; cellulose wadding and webs of cellulose fibres)

113. Packaging materials

- 113.1 Intended use (case materials; cartonboard; wrapping papers; other papers mainly for packaging)
- 113.11 Type of product (kraftliner; fluting paper; testliner; etc.)
- 113.111 Degree of processing (bleached; unbleached)

114. Other paper and paperboard n.e.c.

114.1 Type of product (wallpaper base; filter paper and paperboard; etc.)

12 CORK

121. Natural cork

- 121.1 Degree of processing (raw or simply prepared; debacked or roughly squared or in rectangular blocks, plates, sheets or strips; etc.)
- 121.11 Type of product (corks and stoppers; gasket, washers and other seals; etc.)

122. Agglomerated cork and articles of agglomerated cork

- 122.1 Production process type (with a binding substance; without a binding substance)
- 122.11 Type of product (corks and stoppers; gasket, washers and other seals; etc.)

13 SECONDARY WOOD PRODUCTS

131. Further processed sawnwood

131.1 Tree-species origin (coniferous; tropical non-coniferous; other; bamboo)

131.11 Type of product (V-jointed wood; beaded wood; etc.)

132. Wooden wrapping and packaging material

132.1 Type of product (packing cases, boxes, crates, drums and similar packings; cable drums; pallets, box pallets and other load boards; etc.)

133. Wood products for domestic/decorative use

133.1 Type of product (wooden frames for paintings, photographs, mirrors or similar objects; tableware and kitchenware; etc.)

134. Other manufactured wood products

134.1 Type of product (tools, tool bodies, tool handles; broom or brush bodies and handles; boot or shoe lasts and tree; etc.)

135. Builder's joinery and carpentry of wood

135.1 Type of product (windows, French-windows and their frames; doors and their frames and thresholds; etc.)

136. Wooden furniture

136.1 Type of product (seats with wooden frames; parts of seats; wooden furniture; etc.)
136.11 Intended use (in offices; in the kitchen; in the bedroom; other)

137. Prefabricated buildings

137.1 Basic material (of wood; other)
137.11 Degree of processing (complete buildings, fully assembled; complete buildings, unassembled; incomplete buildings)

14 SECONDARY PAPER PRODUCTS

141. Composite paper and paperboard

142. Special coated paper and pulp products

142.1 Type of product (tarred, bituminised or asphalted paper and paperboard; gummed or adhesive paper and paperboard; etc.)

142.11 Detailed characteristic of the products (self-adhesive; other)

143. Carbon paper and copying paper ready for use

143.1 Type of product (carbon or similar copying papers; self-copy paper; etc.)

144. Household and sanitary paper ready for use

144.1 Type of product (toilet paper; handkerchiefs, cleansing or facial tissues and towels; etc.)

145. Packaging cartons, boxes, etc.

145.1 Type of product (cartons, boxes and cases, of corrugated paper or paperboard; folding cartons, boxes and cases, of non-corrugated paper or paperboard; etc.)

146. Other articles of paper and paperboard ready for use

146.1 Type of product (wallpaper and similar wall coverings; window transparencies of paper; paper and paperboard stationery; etc.)

146.11 Detailed classification of products (envelopes; letter cards, plain postcards and correspondence cards; etc.)

Cross-references

Fore	est Products Classification	Correspondences An asterisk (*) or "ex" are used to indicate partial link.							
CODE	DESCRIPTION	FAO 1982	JFSQ	HS2017	HS2012	SITC Rev. 4	BEC Rev.4	CPC Ver.2.1	ISIC Rev.4
01	WOOD IN THE ROUGH	1	1	4401.11 4401.12 4403.21 4403.22 4403.23 4403.24 4403.25 4403.26 4403.41 4403.49 4403.91 4403.93 4403.94 4403.95 4403.96 4403.97 4403.98 4403.99	4401.10 4403.20 4403.41 4403.49 4403.91 4403.92 4403.99	245.01 247.4 247.5 247.9	31	031	0210 0220
011.	WOOD FUEL (INCLUDING WOOD FOR CHARCOAL)	1123 1223	1.1	4401.11 4401.12	4401.10	245.01	31	0313	0220
011.1	Wood fuel from the main stem and branches	1123 1223	ex1.1	4401.11* 4401.12*	4401.10*	245.01*	31	0313*	0220
011.11	Wood fuel from the main stem and branches, coniferous	1123	ex1.1.C	4401.11*	4401.10*			03131*	
011.111	Wood fuel, coniferous, for pellets		1					1	
011.119	Wood fuel, coniferous, for uses n.e.c.							1	
011.12	Wood fuel from the main stem and branches, tropical non-coniferous	1223°	ex1.1.NC	4401.12*	4401.10*			03132*	
011.121	Wood fuel, tropical non-coniferous, for pellets								
011.129	Wood fuel, tropical non-coniferous, for uses n.e.c.								

Definitions

Sources of information

- ✓ JFSQ
- ✓ FAO forestry papers
- ✓ FAO Yearbook of Forest products
- ✓ FAO Pulp and paper capacities survey 2014-2019
- ✓ Information materials of main producers or producers associations.
- ✓ Harmonized System
 Nomenclature 2012

Code	Description and Definition
011.9 011.91 011.92 011.93 011.94	Other wood fuel It includes wood from other parts than main stem and branches where these are harvested for fuel, e.g. tops, small branches and twigs, stumps and roots, bark separated in the forest from wood in the rough, needles and leaves.
012.	Wood in the rough, other than wood fuel Wood in the rough that will be used in the production of other goods and services (except as a source of fuel).
012.1	Wood in the rough from the main stem and branches Wood in the rough from the main stem and branches that will be used in the production of other goods and services (except as a source of fuel). It includes sawlogs and veneer logs; pulpwood, round and split; and other industrial roundwood.
012.11 012.111 012.112 012.119	Sawlogs and veneer logs Roundwood that will be sawn (or chipped) lengthways for the manufacture of sawnwood or railway sleepers (ties) or used for the production of veneer (mainly by peeling or slicing). It includes: roundwood (whether or not it is roughly squared) that will be used for these purposes; shingle bolts and stave bolts; match billets and other special types of roundwood (e.g. burls and roots, etc.) used for veneer production.
012.12 012.121 012.122 012.129	Pulpwood, round and split and wood for wood based panels Roundwood that will be used for the production of pulp, particleboard or fibreboard. It includes: roundwood (with or without bark) that will be used for these purposes in its round form or as splitwood or wood chips made directly (i.e. in the forest) from roundwood.
012.13 012.131 012.132 012.139	Other industrial roundwood Industrial roundwood (wood in the rough) other than sawlogs, veneer logs and/or pulpwood. It includes roundwood that will be used for poles, piling, posts, fencing, pitprops, tanning, distillation and match blocks, etc.
012.2	WOOD IN THE ROUGH OTHER THAN FROM THE MAIN STEM AND BRANCHES Includes tops, small branches, twigs, stumps, roots, needles, leaves and bark removed in the forest that will be used in the production of other goods and services (except as a source of fuel).
012.21 012.211 012.212 012.219	Tops, small branches and twigs Includes tops, small branches and twigs from felled trees. The lower limit of the top (the upper limit of the stem) will vary according to local logging practices.
012.22 012.221 012.222 012.229	Stumps and roots Includes all the biomass of the tree below the separation of the harvested stem. The height of this cut will vary according to local practices and conditions.

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Questionnaire on the Revision of the Forest Products
Classification and Definitions

INTRODUCTION

Global Strategy Agricultural and Rural Statistics (Global Strategy) and Food Agriculture Organization of the United Nations (FAO) launched this global questionnaire to collect diverse and substantial suggestions, opinions, recommendations or/and corrections from a range of stakeholders from the forestry sector, especially those that are familiar with the production of forest statistics.

This questionnaire asks you for comments and advice on a new proposal of the Classification and Definitions of Forest Products which was published as Working Paper No.14 in December 2016. This classification shall supersede the Classification and Definitions of Forest Products which was prepared by FAO and UNECE and published as the FAO Forestry paper 32 in 1982. The purpose of the present revision is to update the classification and definitions to take into account the recent changes in technology, changes in wood-based industry and trade and to incorporate new wood and paper products.

The objective of this specialized consultation is to validate some technical espects of the classification proposal in regard to its scope, structure, classification criteria, among other aspects.

Global Strategy and FAO will appreciate your contribution in filling out this questionnairs, your knowledge and experiences for a proper and consistent update of the classification of forestry products. S

3.02 NON-CONIFEROUS TROPICAL

Compared to the previous publication a special attention was paid to tropical wood. The non-coniferous tree species were divided into two subclasses Non-coniferous tropical and Non-coniferous other. It was applied in every group where this distinction was important for the forest products classification.

7) Indicate your preference in the next table if you agree with distinction of below mentioned of forest products on "non-coniferous tropical" and "non-coniferous other" in the classification.

WOOD PRODUCTS PREFERENCE COMMENTS						
WOOD PRODUCTS	PREFERENCE	COMMENTS				
Wood fuel from main stem and branches	Click and select	Click here to enter text.				
Tops, small branches and twigs	Click and select	Click here to enter text.				
Stumps and roots	Click and select	Click here to enter text.				
Bark separated in the forest from wood in the rough	Click and select	Click here to enter text.				
Needles and leaves	Click and select	Click here to enter text.				
Sawlogs and veneer logs	Click and select	Click here to enter text.				
Pulpwood, round and split and wood for wood based panels	Click and select	Click here to enter text.				
Other industrial roundwood	Click and select	Click here to enter text.				
Sawnwood	Click and select	Click here to enter text.				
Venner sheets	Click and select	Click here to enter text.				
Plywood	Click and select	Click here to enter text.				
Further processed sawnwood	Click and select	Click here to enter text.				

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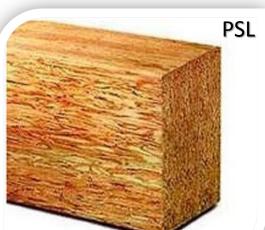
- Shall the new classification, in agreement with previous classification, cover all part of the tree, including bark, needles or leaves?
- > Shall the new classification, in agreement with previous classification, cover **cork** which is out of regular data collection and more or less falls into non-wood forest products category?
- Would you propose changes in the sections of the forest products classification?
- What forest products shall be distinguished on "Tropical non-coniferous" and "Other" (non-coniferous)?
- How to classify torrefied wood chips?
 Torrefied wood x Wood charcoal?
- ➤ How to classify **torrefied wood pellets**? *Torrefied wood x Wood pellets*?
- How to classify staves? Other wood simply worked x Wood wrapping and packaging materials?

- How to classify shingles and shakes?
 Other wood simply worked x Builders' joinery and carpentry of wood?
- > Do you agree to distinguish the *Medium Density Particle Board* (MDP) as a new product under particle boards?
- ➤ The **Thin Particle Board** (continuous calender process) was distinguished as a separate product in the previous classification. According to your knowledge and experience is this product still produced?
- > Do you agree to classify **Fibreboard** according to production process and subsequently according to density?
- Thermoplastic bonded panels were added in the division Other panels based on wood or other ligno-cellulosic materials. Do you agree with this classification?

- Should the thermowood and torrefied sawnwood be listed under the division Further processed sawnwood?
- Classification of the Engineered wood products?
 - Cross-laminated timber (CLT, X-LAM)
 Engineered wood products x Further processed sawnwood x Other
 - Glue-laminated timber (GLULAM)
 Engineered wood products x Builders' joinery and carpentry of wood x
 Other
 - ► I-JOISTS; I-BEAMS Engineered wood products x Builders' joinery and carpentry of wood x Other
 - Laminated veneer lumber (LVL)
 Veneer sheets x Engineered wood products x Structural composite lumber x Other

- Classification of the Engineered wood products?
 - Parallel strand lumber (PSL)
 Particle board x Engineered wood products x Structural composite lumber
 - Laminated strand lumber (LSL)
 Particle board x Engineered wood products x Structural composite lumber
 - Oriented strand lumber (OSL)
 Particle board x Engineered wood products x Structural composite lumber







Acknowledgement

Thank you for your attention, comments and proposals in questionnaire!

Michal Synek



