

Presentation of IPC Scheme

Arcanum Development

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PART I

Introduction

A. Objectives

RIPCIS is the Revised IPC Information System for WIPO for the Reformed IPC.

This document, as annex to the documentation of RIPCIS, contains the description of the graphic representation of **second generation** XML files created from the IPC Scheme XML file.

One of the objectives of such second generation files is, to provide possibility of verifying the content of the new publication, without all the features of RIPCIS, and without details of the e-layer. **The second generation files are not intended to be used as 'data' files that are to be uploaded into any computer systems for a reason that is different from pure presentation.**

Its objectives are:

- To describe the presentation of data elements of the revised IPC
- To provide help for using the functions of the static XML files.

This document does not include:

- description of the XML structures
- definition of functions of the future Internet publication of IPC 8th edition or the e-layer.

B. Audience

This document is intended to be read by IPC XML data users,

- IT specialists of various organizations,
- IPC specialists,
- participants to the IPC electronic forum,
- members of the IB staff,
- National Property Offices working on (re-)classification,

- system administrators, etc.

C. Prerequisites

Basic knowledge about Explorer-based user interfaces is assumed.

General knowledge about concepts of IPC.

Specialties of the reformed IPC.

D. Technical environment

The second generation XML files are compatible to the **ipcr_scheme** DTD.

The XML files can be browsed using Internet Explorer 6.0 or later. The files contain the reference to the XSLT stylesheet that resides in the same folder.

The navigation uses JavaScript functions.

A screen with a minimum 1024x768 resolution and using 65535 or more colours is assumed. The hardware should be equipped with at least 256 MB memory.

PART II

Sample page

In this part we provide a quick introduction to the structure of the presentation.

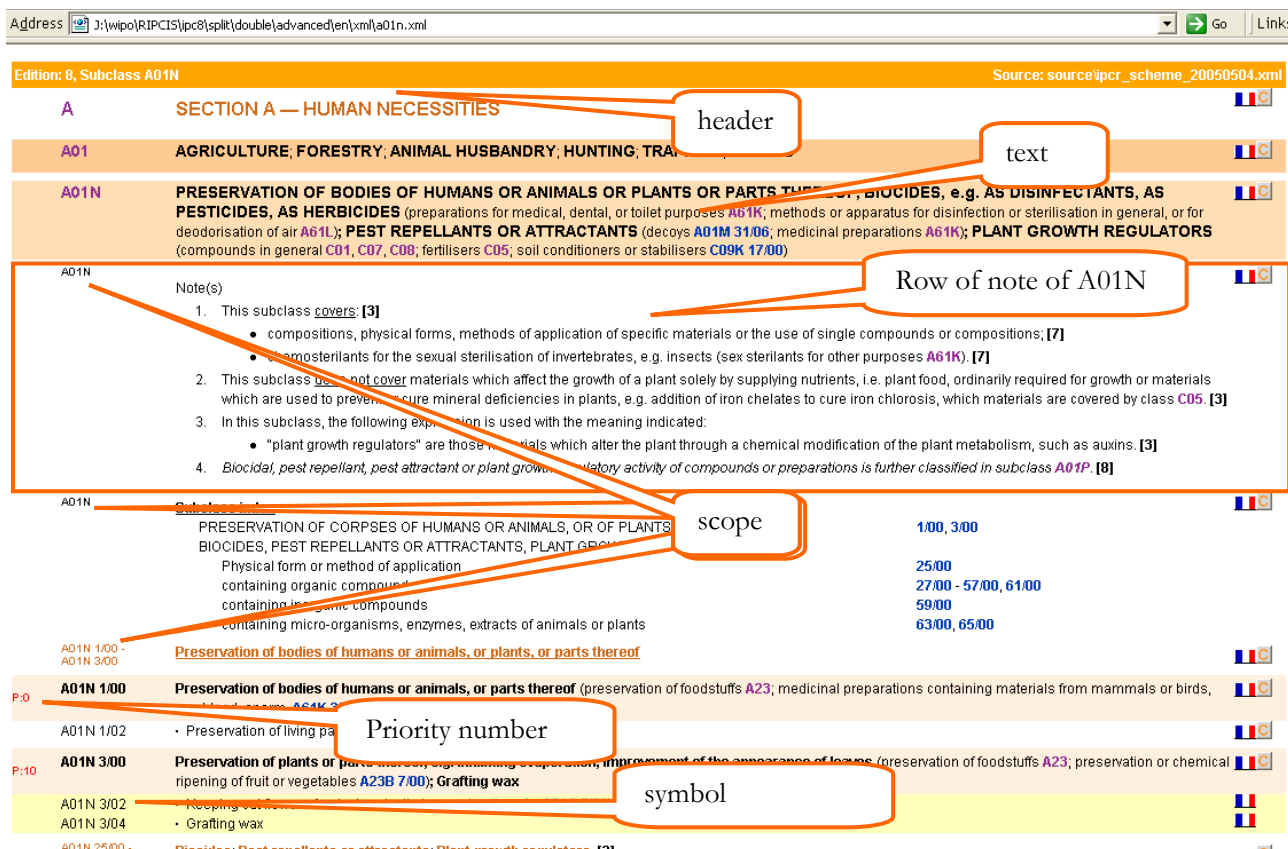


Figure 1.: Sample screen

The header contains basic version information.

Each IPC Entry (text of an IPC symbol, indexing code, subclass index or note) is presented in a **row**. The row contains columns that contain:

- **priority information** (available for main groups only)
- **symbol** or **scope** of the entry (scope is presented for notes, guide headings and indexes)
- **text** of the entry; background is coloured according to the role and level of the entry:
 - **dark pale, pale and light pale orange:** class, subclass and maingroup
 - **yellow** means: advanced level entry, **white:** core level entry
- **navigation buttons:** to jump to the “other language” and to the “other level”

[End of PART II]

PART III

Navigation of “Proof” documents

In this part:

- A. Hierarchical navigation..... 7
- B. Links to another level or to another version..... 10
- C. Hyperlinks..... 11

In this part, we detail the navigation structure of the **Proof** documents, created for the sole purpose of providing a visual interface to the presentation of the data content of the XML files.

The navigation structure might be different in other second generation XML files.

A. Hierarchical navigation

In this chapter we describe the hierarchic navigation within one level, one language.

1. index.xml

The root for the navigation is the index.xml file. This contains the list of sections. One can open the section files clicking on the identifier of the section.

Edition: 8, Index		Source: source\ipcr_scheme_20050504.xml
A	SECTION A — HUMAN NECESSITIES	
B	SECTION B — MINING OPERATIONS; TRANSPORTING	
C	SECTION C — METALLURGY	
D	SECTION D — TEXTILES; PAPER	
E	SECTION E — FIXED CONSTRUCTIONS	
F	SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING	
G	SECTION G — PHYSICS	
H	SECTION H — ELECTRICITY	

Figure 2.: index.xml

2. Sections: a.xml, ..., h.xml

The second level is the files of the sections.

Text of a complete section is presented in multiple files; however, the section file itself is a “table of contents” only; the section file contains the title of the section, section notes (if any), subsection titles in the section and classes

Edition: 8, Section B		Source: source\ipcr_scheme_20050504.xml	
B	SECTION B — PERFORMING OPERATIONS; TRANSPORTING		
	SEPARATING; MIXING		
B01 - B07	Note(s) The following notes are meant to assist in the use of this part of the classification scheme; they must not be read as modifying in any way the elaborations. 1. In this sub-section, the separation of different materials, e.g. of different matter, size, or state, is predominantly found in the following subclasses: B01D		
	...		
B01 - B07	Subsection index LIQUID/LIQUID, LIQUID/GAS OR GAS/GAS SEPARATION Method General operations B01D by centrifugal force, using centrifuges or free-vortex apparatus B01D using magnetic or electrostatic effect B03C Apparatus General operations B01D by centrifugal force, using centrifuges or free-vortex B04B, B04C		
	...		
B01	PHYSICAL OR CHEMICAL PROCESSES OR APPARATUS IN GENERAL (furnaces, kilns, ovens, retorts, in general F27)		
B02	CRUSHING, PULVERISING, OR DISINTEGRATING; PREPARATORY TREATMENT OF GRAIN FOR MILLING		
B03	SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID		

Figure 3.: section sample: b.xml

The respective class can be opened by clicking on the identifier.

3. Class files: e.g. a21.xml

The complete text of a class is presented in a set of file, each of them contains a single subclass. The “class file” itself contains: the title of the section, the text of the class, its class index (if any) and note (if any), and the title of the subclasses of the class:

Edition: 8, Class A21		Source: source\ipcr_scheme_20050504.xml
A	SECTION A — HUMAN NECESSITIES	
A21	BAKING; EQUIPMENT FOR MAKING OR PROCESSING DOUGHS; DOUGHS FOR BAKING [1,8]	
A21	Note(s) Processes using enzymes or micro-organisms in order to: <ol style="list-style-type: none"> i. liberate, separate or purify a pre-existing compound or composition, or to ii. treat textiles or clean solid surfaces of materials are further classified in subclass C12S . [5]	
A21B	BAKERS' OVENS; MACHINES OR EQUIPMENT FOR BAKING (domestic baking equipment A47J 37/00 ; combustion apparatus F23 ; domestic stoves or ranges being wholly or partly ovens F24B , F24C)	
A21C	MACHINES OR EQUIPMENT FOR MAKING OR PROCESSING DOUGHS; HANDLING BAKED ARTICLES MADE FROM DOUGH	

Figure 4.: class sampl: a21.xml

The respective subclass can be opened by clicking on the identifier.

4. Subclass files: a01n.xml

Each subclass is presented in a single file; the subclass file contains: the title of the section, the text of the class, the text if the subclass, its subclass index (if any) and note (if any), and the **complete** text of the subclass.



A01N	PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF; BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES, AS HERBICIDES (preparations for medical, dental, or toilet purposes A61K ; methods or apparatus for disinfection or sterilisation in general, or for deodorisation of air A61L); PEST REPELLANTS OR ATTRACTANTS (decoys A01M 31/06 ; medicinal preparations A61K); PLANT GROWTH REGULATORS (compounds in general C01 , C07 , C08 ; fertilisers C05 ; soil conditioners or stabilisers C09K 17/00)	
A01N	Note(s) 1. This subclass covers : [3] <ul style="list-style-type: none"> • compositions, physical forms, methods of application of specific materials or the use of ...	
A01N 1/00 - A01N 3/00	Preservation of bodies of humans or animals, or plants, or parts thereof	
A01N 1/00	Preservation of bodies of humans or animals, or parts thereof (preservation of foodstuffs A23 ; medicinal preparations containing materials from mammals or birds, e.g. blood, sperm, A61K 35/12 ; cell or tissue culture C12N 5/00)	
A01N 1/02	• Preservation of living parts	
A01N 3/00	Preservation of plants or parts thereof, e.g. inhibiting evaporation, improvement of the appearance of leaves (preservation of foodstuffs A23 ; preservation or chemical ripening of fruit or vegetables A23B 7/00); Grafting wax	
A01N 3/02	• Keeping cut flowers fresh chemically (apparatus therefor A01G 5/06)	

Figure 5.: subclass sampl: a01n.xml

You can browse this file or jump on another level or another version.

B. Links to another level or to another version

1. Language jump

The “other” language can be accessed clicking on the flag ( or ) on the rightmost column of a row. Language jump is implemented both for hierarchic and non-hierarchic entries.













A01N	PRESERVATION OF BODIES OF HUMANS OR ANIMALS OR PLANTS OR PARTS THEREOF; BIOCIDES, e.g. AS DISINFECTANTS, AS PESTICIDES, AS HERBICIDES (preparations for medical, dental, or toilet purposes A61K ; methods or apparatus for disinfection or sterilisation in general, or for deodorisation of air A61L); PEST REPELLANTS OR ATTRACTANTS (decoys A01M 31/06 ; medicinal preparations A61K); PLANT GROWTH REGULATORS (compounds in general C01 , C07 , C08 ; fertilisers C05 ; soil conditioners or stabilisers C09K 17/00)	 
A01N	Note(s)	 
	1. This subclass covers: [3] <ul style="list-style-type: none"> compositions, physical forms, methods of application of specific materials or the use of 	

Figure 6.:Language jump


2. Jump to another level







The “other” level can be accessed clicking on the level button ( or ) in the rightmost column of a row.

A01N 3/00	Conservation de végétaux ou de parties de ceux-ci, p.ex. par inhibition de l'évaporation, avec amélioration de l'aspect des feuilles (conservation des produits alimentaires A23 ; conservation ou mûrissement chimique des fruits ou des légumes A23B 7/00 ; Mastic à greffer)	 
P:10		
A01N 3/02	• Maintien de la fraîcheur A01G 5/06	 
A01N 3/04	• Mastic à greffer	 

this entry is advanced, no such entry in core, , no link!

Figure 7.:Jump to core from advanced

After clicking on , the core level is presented:

A01N 3/00	Conservation de végétaux ou de parties de ceux-ci, p.ex. par inhibition de l'évaporation, avec amélioration de l'aspect des feuilles (conservation des produits alimentaires A23 ; conservation ou mûrissement chimique des fruits ou des légumes A23B 7/00 ; Mastic à greffer)	 
P:10		
A01N 25/00 - A01N 65/00	Biocides; Produits repoussant A01N 25/00 ; Connaissance des végétaux [3]	 
A01N 25/00 - A01N 65/00	Note(s)	 
	1. Il est important de tenir compte des définitions des groupes d'éléments chimiques qui suivent le titre de la section C 01	










3/02 is not presented

Figure 8.:Jump to advanced to core

C. Hyperlinks

The hyperlinks will open the relevant subclass and will present the text of the symbol you have clicked on. The text of the symbol where one has jumped is not necessarily on the top, but it must be on the screen:

Edition: 8, Sous-classe A01N Source: source\ipcr_scheme_20050504.xml

A	SECTION A — NÉCESSITÉS COURANTES DE LA VIE	  
A01	AGRICULTURE; SYLVICULTURE; ÉLEVAGE; CHASSE; PIÈGEAGE; PÊCHE	  
A01N	CONSERVATION DE CORPS HUMAINS OU ANIMAUX OU DE VÉGÉTAUX, OU DE PARTIES DE CEUX-CI; BIOCIDES, p.ex. EN TANT QUE DÉSINFECTANTS, PESTICIDES, HERBICIDES (préparations à usage médical, dentaire ou pour la toilette A61K ; procédés ou appareils pour la désinfection ou la stérilisation en général, ou pour la désodorisation de l'air A61L); PRODUITS REPOUSSANT OU ATTIRANT LES ANIMAUX NUISIBLES (leurres A01M 31/00 ; préparations à usage médical A61K); RÉGULATEURS DE CROISSANCE DES VÉGÉTAUX (composés en général C01 , C07 , C08 ; engrais C05 ; compositions pour conditionner ou pour stabiliser les sols C09K 17/00)	  

→






















P:150	régulateurs de croissance des végétaux A01N 25/00-A01N 65/00 ; appareillages de pulvérisation ou d'atomisation en général B05B ; substances pour conditionner ou pour stabiliser les sols C09K 17/00 ; lutte contre la végétation indésirable sur des routes ou voies de chemin de fer E01H 11/00	  
P:40	A01M 23/00 Pièges pour animaux	  
P:120	A01M 25/00 Dispositifs pour empoisonner les animaux (A01M 27/00 a priorité; pour insectes A01M 1/20) [3]	  
P:50	A01M 27/00 Appareils déclenchés par les animaux, destinés à lancer des projectiles ou à projeter d'autres objets destinés à les tuer, p.ex. par balles ou en les transperçant [3]	  
P:130	A01M 29/00 Epouvantails, p.ex. pour oiseaux	  
P:140	A01M 31/00 Articles de chasseurs	  
	A01M 99/00 Matière non prévue dans les autres groupes de la présente sous-classe [8]	  

Figure 9.: Jump to A01M 31/00

[End of PART III]

PART IV

Colour coding of IPC presentation

In this chapter:

- A. Colours used in the core level 13
 B. Colours on the advanced level 14

A. Colours used in the core level

Sections, subsection titles and guidance headings are presented in white background, orange characters:

Classes are presented on a dark pale orange () background, black characters.

Subclasses on the core level are presented on a pale orange () background.

Guide headings are presented on a white background, orange characters.

Main groups on the core level are presented on a light pale () background.

Groups, indexes and notes are presented on a white background:








A	SECTION A — NÉCESSITÉS COURANTES DE LA VIE	
A01	AGRICULTURE, SYLVICULTURE, ÉLEVAGE, CHASSE, PIÉGEAGE, PÊCHE	
A01M	CAPTURE OU PIÉGEAGE DES ANIMAUX; ÉPOUVANTAILS (apiculture A01K 47/00-A01K 59/00 ; pêche A01K 69/00-A01K 97/00 ; pesticides A01N); APPAREILS DE DESTRUCTION D'ANIMAUX OU DE PLANTES NUISIBLES (équipements prévus sur les aéronefs ou adaptables sur ceux-ci pour larguer des matières poudreuses, liquides ou gazeuses, p.ex. des pesticides, des herbicides, B64D 1/00)	
A01M	Note(s) Dans la présente sous-classe, l'expression "destruction" couvre "la stérilisation non chimique" des invertébrés. [7]	
A01M	Schéma général PULVÉRISATEURS, POUDREUSES; FUMIGATEURS; LANCE- FLAMMES 7/00 - 11/00; 13/00; 15/00	
...		
P:20 A01M 1/00	Systèmes fixes pour capturer ou détruire les insectes	
A01M 1/02	• avec dispositifs pour attirer les insectes	

Figure 10.: Colours on the core level

B. Colours on the advanced level

Subclasses on the advanced level are presented on a yellow () background.

Maingroups on the advanced level are presented on a yellow () background.

Groups and notes are presented on a pale yellow () background:





F21W	INDEXING SCHEME ASSOCIATED WITH SUBCLASSES F21L, F21S and F21V, RELATING TO USES OR APPLICATIONS OF LIGHTING DEVICES OR SYSTEMS [7]	
F21W	Note(s) This subclass constitutes an indexing scheme associated with subclasses F21L, F21S and F21V, relating to uses or applications of lighting devices or systems. [7]	
P:0 F21W 101/00	Use or application of lighting devices on or in vehicles [7]	
F21W 101/02	• for land vehicles [7]	

Figure 11.:Colours on the advanced level

[End of PART IV

PART V

Font formats

In these files the usual rules of IPC, related to the fonts, are used:

Italic	new or C-type modified entries
Bold	edition / version marks, title parts of classes, subclasses, main groups etc.
Underline	specific words in English (e.g. in vivo) guide headings subsection titles
Superscript- subscript	in in-line formulae

[End of PART V