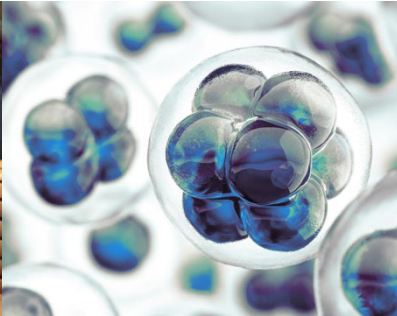




Europäisches
Patentamt
European
Patent Office
Office européen
des brevets

IT matters

CPC Annual Meeting for National Offices



IT Matters

- Preferred methods to send CPC data to the EPO
 - Web services
 - Bibliographic data stream
 - Separate file
- How to send reclassified data to the EPO?
- CPC International and the simple patent family

Preferred methods to send CPC data to the EPO

- CPC classification data from National Offices is submitted according to **ST.36 format** while considering the **ST.8-based CPC allocation standard**
- CPC symbols are subject to some **validation** before loading into DocDB
- Options for data submission by a National Office:
 1. **Web services** with feedback retrieval on batch status (accept/reject)
 2. Included in the **bibliographic data stream** (with IPC)
 3. **Separate file** for CPC classification data and limited bibliographic data

Preferred methods to send CPC data to the EPO

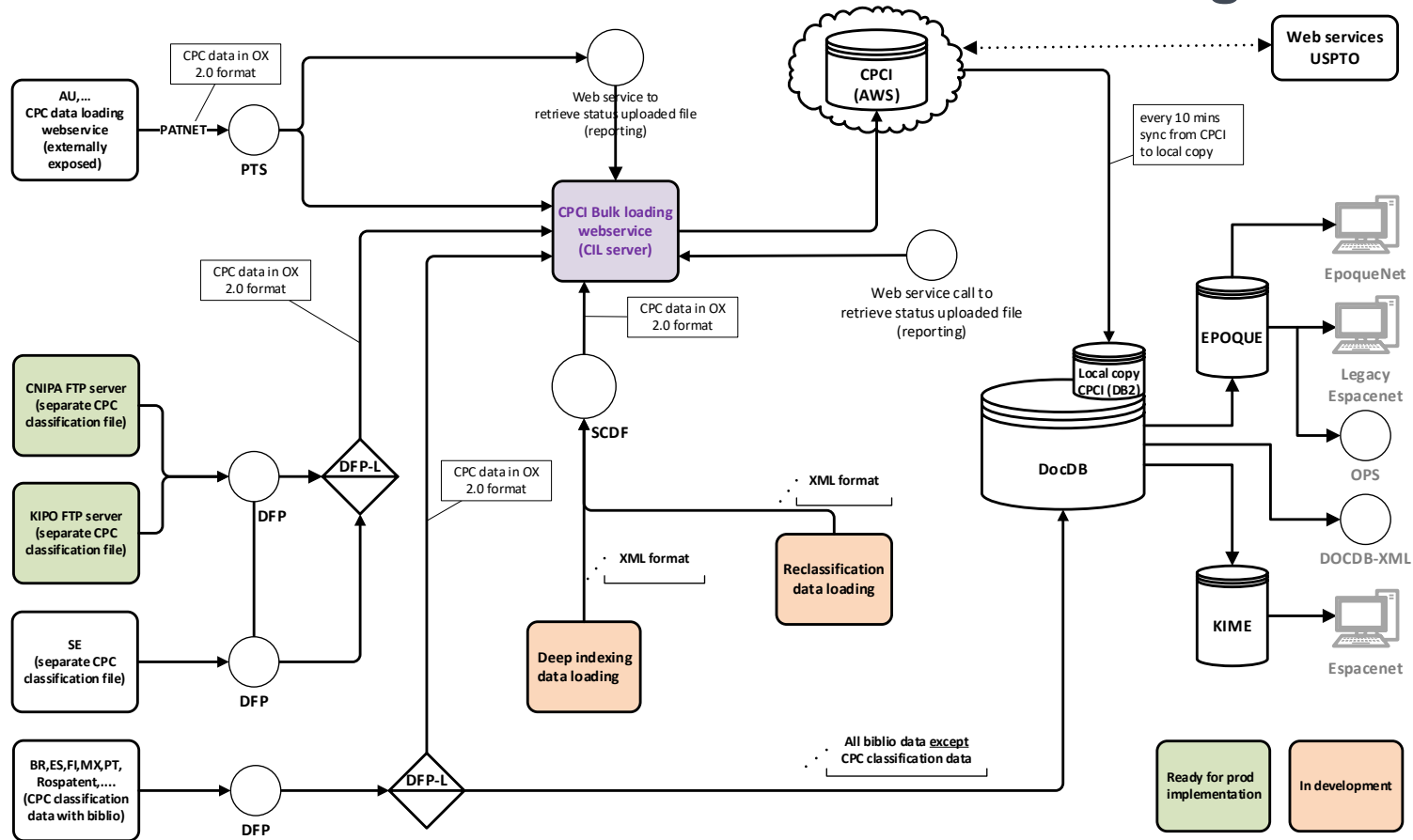
- The current bibliographic data format is based on ST.36/CPC allocation standard (complementary with ST.8) and DocDB XML format.

Position(s)	Content	Values
1	Section	A,....., H,Y
2,3	Class	01,.....,99
4	Subclass	A,.....,Z
5 to 8	Main Group (right aligned)	1,.....,9999, blank
9	Separating character	/ ("Slash")
10 to 15	Subgroup (left aligned)	00,.....,999999, blank
16 to 19	For future use	4 blanks
20 to 27	Version indicator	YYYYMMDD date format
28	Classification level	blank
29	First or later position of symbol	F,L
30	Classification value (invention or additional)	I,A
31 to 38	Action date	YYYYMMDD date format
39	Original or reclassified data	B,R
40	Source of classification data	H,C,G
41-42	Generating office	AA,.....,ZZ (ST.3)
43-50	For future use	8 blanks

CPC data submission through web services (1/3)

- Web service active through Patnet (Epoxy user-id/password).
- Web service provides a means for a National Office to submit collections of patent documents with CPC allocations (single symbols and C-sets).
- Current data loading processes in place do not support the update of only one symbol. Only replacement of full set of symbols.
- → Web service allows the **update of a single symbol**.

Processes for CPC classification data loading

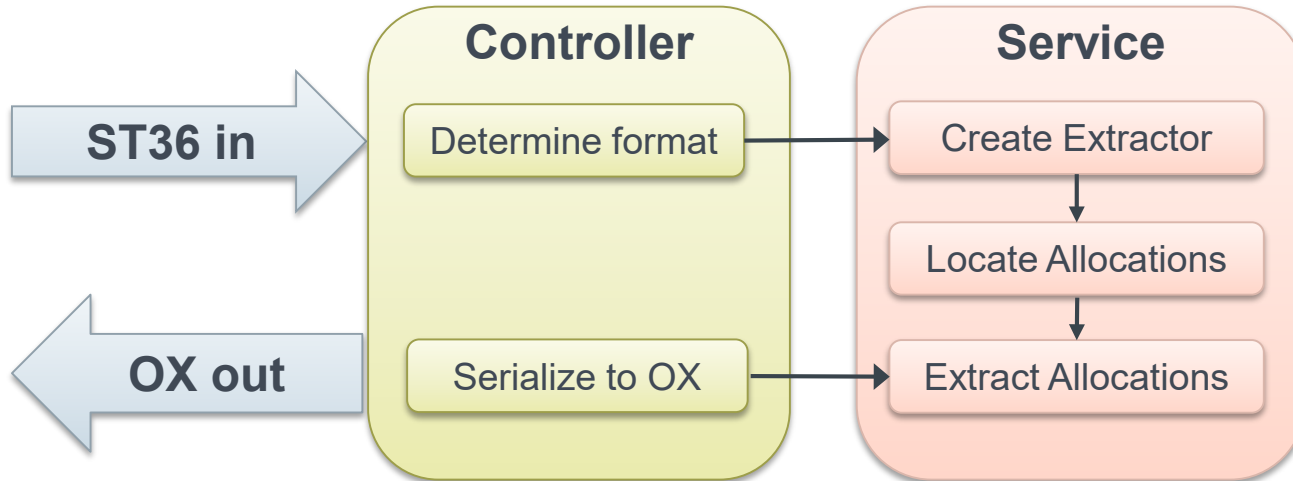


CPC data submission through web services (2/3)

- To support single symbol update, the web service expects a so-called “**Optimised XML**” (OX) format, which will allow the possibility to modify a single allocation (reclassification).
- A separate **transformation service** is provided that allows a National Office to transform their ST.36 XML format to the OX format so that it can be processed by the web-service (JAVA-API).
- Every batch of submitted data (transaction) will be posted in a staging area at the EPO and processed in a nightly batch process, that will upload and validate the data.
- Validation of data (valid symbol, INV, ADD, etc.)

Translation service from ST36 into OX format

- Acceptance of XML documents confirming to ST36 standard
- CPC classifications and C-set allocations are extracted and transformed into the OX format
- OX format is returned in the responses



CPC data submission through web services (3/3)

- The web service provides the means for a National Office to query their uploaded data, e.g. to query the status of a submitted batch or allocation therein.
- More details of the Classification data loading web services can be requested through cpc@epo.org.

CPC data submission in bibliographic data stream

- Front-file / Back-file using the simple-patent-document-v2-1-1 schema (DTD)
- DTD can be requested through frontoffice@epo.org or accessible at <http://epoxy.epo.org/> (<https://epoextsa.epo.org/nos/>)

CPC data submission as separate file

- With symbol formatting in
 - expanded tagged structure (no slash separator needed), e.g.

```
<section>H</section>  
<class>04</class>  
<subclass>L</subclass>  
<main-group>29</main-group>  
<subgroup>08585</subgroup>
```

- as string of characters with/without spaces, but mandatory slash separator
- CPC ST.8 validation rules apply for symbols, breakdown-symbols (“2000” symbols) and C-set symbols

How to send reclassified data to the EPO?

- Submission through **classification data loading web service** indicating Add or Delete in the input.
- Submission as a **separate file in XML format**, with **full classification picture** for the reclassified publication (unload/reload).
- Submission as **separate files** with information on Add and/or Delete (patent number and symbol(s)).

CPC International and the simple patent family

- With CPCI the latest classification symbols sent (add / delete) will be propagated to all simple patent family members.

PN	- WO2018232463 A1 2	- AU2018288382 A1 2	- CA3067194 A1 20181	- CN110785784 A 20200211
AP	- WO2018AU50622 20	- AU20180288382 201	- CA20183067194 201	- CN20188041717 20180622
PR	- AU20170902404 2017	- AU20170902404 2017	- AU20170902404 2017	- AU20170902404 20170622; WO2018AU50622
CI	- G06Q30/0201 (EP)	- G06Q30/0201 (EP)	- G06Q30/0201 (EP)	- G06Q30/0201 (EP)
	- G06Q30/0255 (EP)	- G06Q30/0255 (EP)	- G06Q30/0255 (EP)	- G06Q30/0255 (EP)
	- G06Q30/0268 (EP)	- G06Q30/0268 (EP)	- G06Q30/0268 (EP)	- G06Q30/0268 (EP)
	- G06Q30/0281 (AU)	- G06Q30/0281 (AU)	- G06Q30/0281 (AU)	- G06Q30/0281 (AU)
	- G06Q30/0631 (AU)	- G06Q30/0631 (AU)	- G06Q30/0631 (AU)	- G06Q30/0631 (AU)
CA	- G06N3/02 (AU)	- G06N3/02 (AU)	- G06N3/02 (AU)	- G06N3/02 (AU)
	- G06N20/10 (AU)	- G06N20/10 (AU)	- G06N20/10 (AU)	- G06N20/10 (AU)
	- G06Q30/0224 (AU)	- G06Q30/0224 (AU)	- G06Q30/0224 (AU)	- G06Q30/0224 (AU)
	- G06Q30/0255 (AU)	- G06Q30/0255 (AU)	- G06Q30/0255 (AU)	- G06Q30/0255 (AU)
	- G06Q30/0259 (AU)	- G06Q30/0259 (AU)	- G06Q30/0259 (AU)	- G06Q30/0259 (AU)
	- G06Q30/0261 (AU)	- G06Q30/0261 (AU)	- G06Q30/0261 (AU)	- G06Q30/0261 (AU)
	- G06Q30/0269 (AU)	- G06Q30/0269 (AU)	- G06Q30/0269 (AU)	- G06Q30/0269 (AU)

CPC International and the simple patent family

- With CPCI the latest classification symbols sent (add / delete) will be propagated to all simple patent family members.

PN	- WO2019186298 A1 20191003	- BR102019005934 A2 20191008	- UY38164 A 20191031
AP	- WO2019186298 20190306	- BR20191005934 20190326	- UY20190038164 20190328
PR	- IN201831012029 20180329	- IN201831012029 20180329	- IN201831012029 20180329
CI	- A01N25/12 (EP, AU) - A01N25/22 (EP) - A01N39/04 (EP, BR) - A01N43/40 (EP, AU, BR) - A01N47/36 (AU, BR) - A01N57/20 (AU, BR)	- A01N25/12 (EP, AU) - A01N25/22 (EP) - A01N39/04 (EP, BR) - A01N43/40 (EP, AU, BR) - A01N47/36 (AU, BR) - A01N57/20 (AU, BR)	- A01N25/12 (EP, AU) - A01N25/22 (EP) - A01N39/04 (EP, BR) - A01N43/40 (EP, AU, BR) - A01N47/36 (AU, BR) - A01N57/20 (AU, BR)
CA	- A01N25/08 (AU, BR) - A01N39/04 (AU)	- A01N25/08 (AU, BR) - A01N39/04 (AU)	- A01N25/08 (AU, BR) - A01N39/04 (AU)
CL	- A01N25/12, A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20	- A01N25/12, A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20	- A01N25/12, A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N43/40, A01N47/36, A01N57/20 - A01N39/04, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N43/40%2, A01N47/36, A01N57/20 - A01N43/40, A01N2300/00, A01N43/40, A01N43/40%2, A01N47/36, A01N57/20