iPROJEX – Web Services

User Guide

Version	Date	Author	Modifications description
1.0	2009-05-08	CMC/ITCC	Initial version
1.1	2010-04-27	CMC/ITCC	Links to ASMX

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1   Introduction

This service enables the NSBs/NCs to further automate their business processes by direct access to web-services for the electronic delivery of data to CCMC (iPROJEX).

It provides an alternative to the iPROJEX User Interface and supports the electronic delivery of data <u>in XML format only</u>.

This service is restricted by username and password.

2   Description

The system allows the load of XML data files for all subject areas supported by iPROJEX:
- National Implementation
- National Titles
- ICS
- Technical Body Titles and Scopes
- Infopro

The reminder file facilities are currently excluded from this service.

Unlike the operation of the iPROJEX user interface, there is only one action combining the validation and the load of the data into the CMC central database. All valid records are loaded.

The load log is produced as usual and therefore includes details of all records loaded as well as all errors and warnings generated from the business validation of the data. An error blocks the loading of the data whereas a warning is for information only (highlighting a possible data anomaly).

The structure of the XML data files, per subject area, and the structure of the XML load log are the same as the actual iPROJEX system. The business validation is also identical.

The load of the data file is asynchronous (as it is via the current User Interface).

The data load logs performed via this service are also visible via iPROJEX Interface on the Load Logs tab.

3   How to access to system

The communication is encrypted using https.

The URL of the web services is: **https:\\iprojextst.cen.eu\ws (for testing purposes) and https:\\iprojex.cen.eu\ws (live system).**

The following links could be useful in the development process (in test):

https://iprojextst.cen.eu/ws/main.asmx

https://iprojextst.cen.eu/ws/main.asmx?wsdl

The access rights are the same as the usual iPROJEX system and are issued in the same way (login on request to itsupport@cencenelec.eu). Once you have access to iPROJEX, you have access to the web-services with same username and password.

4   Support

Any requests or comments on the iPROJEX Web services should be sent to itsupport@cencenelec.eu.

5   Web-services functionality

Three web-services are available:

5.1   iPROJEXTransData – Transmission/Submission of the XML data file by the NSB

5.1.1   Input parameters

Parameters	Description
Username	Same as used via the iPROJEX User interface
Password	Same as used via the iPROJEX User interface
Subject area identifier	Currently 1 to 5 o 1 – National Implementations o 2 – National titles o 3 – ICS o 4 – TB Titles and Scopes o 5 – Infopro
XML document	NSB data file Note: The structure of the XML document provided by the NSB is the same as required by the iPROJEX User Interface.

5.1.2   Return parameters

Parameters	Description		
Session identification	Session id (if successful)		
Status (error) code	**Error code**	**Description**	
	0	OK (No error)	
	70	Invalid subject area	
	80	Invalid XML structure	
	85	Do not have permission for this subject area	
	98	login failed	
	99	Infrastructure error	
	Note: the error code does not refer to the validity of the data within the XML document.		

5.2 iPROJEXCheckStatus – Check status of load

5.2.1 Input parameters

Parameters	Description
Username	Same as used via the iPROJEX User interface
Password	Same as used via the iPROJEX User interface
Session id	Session identification

5.2.2 Return parameters

Parameters	Description
Status (error) code	The return code will indicate whether or not the load has finished as well as any errors. | Error code	Description | | --- | --- | | 0 | OK – Load completed | | 5 | Load ongoing | | 90 | Non-existent session id | | 98 | login failed | | 99 | Infrastructure error | Note: the error codes do not refer to the validity of the data within the XML document.

5.3 iPROJEXLoadLog – Retrieval of the Load log

Retrieval of the Load log in XML format from iPROJEX using the session identification provided.

5.3.1 Input parameters

Parameters	Description
Username	Same as used via the iPROJEX User interface
Password	Same as used via the iPROJEX User interface
Session id	Session identification

5.3.2 Return parameters

Parameters	Description
XML document	Contains the load log (see iPROJEX User Guide for details of the structure of this log).

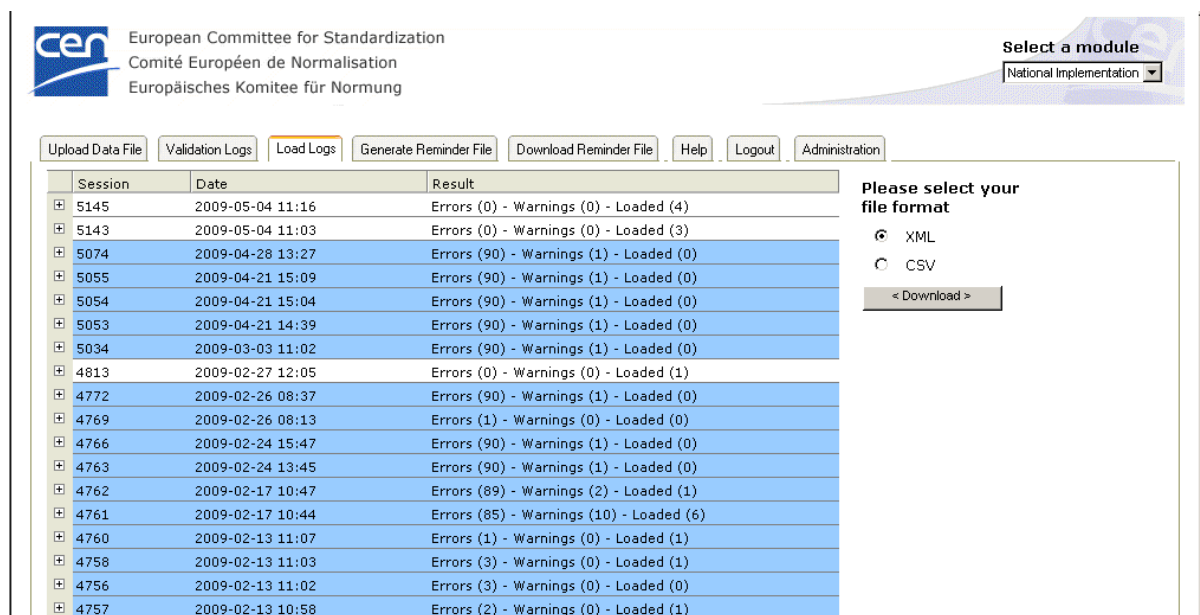| Parameters	Description
Load status code	A Load status code which indicates whether there was no error in load log or one or more errors in load and a status (error) code:

Error code	Description
0	OK - Load completed with no errors.
5	Load ongoing
10	One or more errors in the Load Log
90	Non-existent session id
98	login failed
99	Infrastructure error

Note: the error code does not refer to the validity of the data within the XML document.

6   Implementation

The web-services described above are available on a test platform in order for tests to be performed by NSBs/NCs without impacting the CCMC central database.

Please note that the results of the actions taken via the web-services can be viewed on screen from the iPROJEX test site during the test phase (https://iprojextst.cen.eu) and from iPROJEX live once in production (https://iprojex.cen.eu).

Example: a file uploaded via the web-service iPROJEXTransData is subsequently visible on the Load Logs tab of iPROJEX Test.

Similarly, once you have successfully tested the system, you will be issued access to the Live system and the resulting load logs will be visible via the Live iPROJEX system.