

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 in XML format only.

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 <ul style="list-style-type: none"> ○ 1 – National Implementations ○ 2 – National titles ○ 3 – ICS ○ 4 – TB Titles and Scopes ○ 5 – Infopro
XML document	NSB data file <u>Note:</u> 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	<table border="1"> <thead> <tr> <th>Error code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>OK (No error)</td> </tr> <tr> <td>70</td> <td>Invalid subject area</td> </tr> <tr> <td>80</td> <td>Invalid XML structure</td> </tr> <tr> <td>85</td> <td>Do not have permission for this subject area</td> </tr> <tr> <td>98</td> <td>login failed</td> </tr> <tr> <td>99</td> <td>Infrastructure error</td> </tr> </tbody> </table> <u>Note:</u> the error code does not refer to the validity of the data within the XML document.	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
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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														

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	<p>The return code will indicate whether or not the load has finished as well as any errors.</p> <table border="1"> <thead> <tr> <th>Error code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>OK – Load completed</td> </tr> <tr> <td>5</td> <td>Load ongoing</td> </tr> <tr> <td>90</td> <td>Non-existent session id</td> </tr> <tr> <td>98</td> <td>login failed</td> </tr> <tr> <td>99</td> <td>Infrastructure error</td> </tr> </tbody> </table> <p><u>Note:</u> the error codes do not refer to the validity of the data within the XML document.</p>	Error code	Description	0	OK – Load completed	5	Load ongoing	90	Non-existent session id	98	login failed	99	Infrastructure error
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0	OK – Load completed												
5	Load ongoing												
90	Non-existent session id												
98	login failed												
99	Infrastructure error												

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).

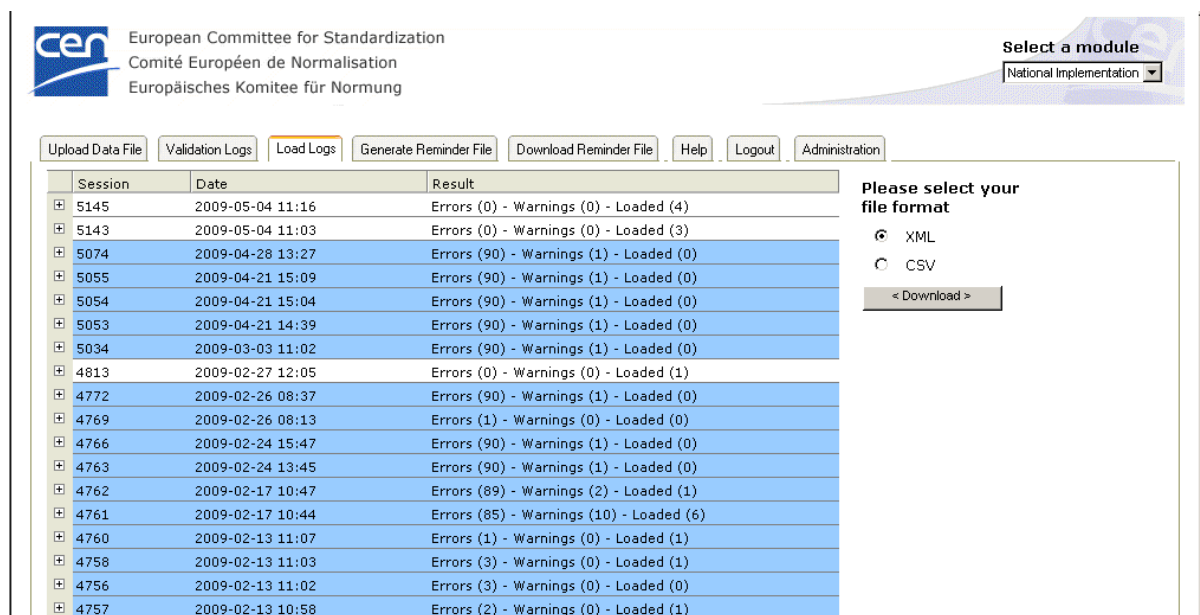
Parameters	Description														
Load status code	A Load status code which indicates whether there was no error in load log or one or more errors in load and a status (error) code: <table border="1" data-bbox="545 349 1310 613"> <thead> <tr> <th>Error code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>OK - Load completed with no errors.</td> </tr> <tr> <td>5</td> <td>Load ongoing</td> </tr> <tr> <td>10</td> <td>One or more errors in the Load Log</td> </tr> <tr> <td>90</td> <td>Non-existent session id</td> </tr> <tr> <td>98</td> <td>login failed</td> </tr> <tr> <td>99</td> <td>Infrastructure error</td> </tr> </tbody> </table> <p><u>Note</u>: the error code does not refer to the validity of the data within the XML document.</p>	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
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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.



European Committee for Standardization
Comité Européen de Normalisation
Europäisches Komitee für Normung

Select a module
National Implementation

Upload Data File | Validation Logs | **Load Logs** | Generate Reminder File | Download Reminder File | Help | Logout | Administration

Session	Date	Result
5145	2009-05-04 11:16	Errors (0) - Warnings (0) - Loaded (4)
5143	2009-05-04 11:03	Errors (0) - Warnings (0) - Loaded (3)
5074	2009-04-28 13:27	Errors (90) - Warnings (1) - Loaded (0)
5055	2009-04-21 15:09	Errors (90) - Warnings (1) - Loaded (0)
5054	2009-04-21 15:04	Errors (90) - Warnings (1) - Loaded (0)
5053	2009-04-21 14:39	Errors (90) - Warnings (1) - Loaded (0)
5034	2009-03-03 11:02	Errors (90) - Warnings (1) - Loaded (0)
4813	2009-02-27 12:05	Errors (0) - Warnings (0) - Loaded (1)
4772	2009-02-26 08:37	Errors (90) - Warnings (1) - Loaded (0)
4769	2009-02-26 08:13	Errors (1) - Warnings (0) - Loaded (0)
4766	2009-02-24 15:47	Errors (90) - Warnings (1) - Loaded (0)
4763	2009-02-24 13:45	Errors (90) - Warnings (1) - Loaded (0)
4762	2009-02-17 10:47	Errors (89) - Warnings (2) - Loaded (1)
4761	2009-02-17 10:44	Errors (85) - Warnings (10) - Loaded (6)
4760	2009-02-13 11:07	Errors (1) - Warnings (0) - Loaded (1)
4758	2009-02-13 11:03	Errors (3) - Warnings (0) - Loaded (1)
4756	2009-02-13 11:02	Errors (3) - Warnings (0) - Loaded (0)
4757	2009-02-13 10:58	Errors (2) - Warnings (0) - Loaded (1)

Please select your file format

XML

CSV

< Download >

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.