iProjex API service

1. Introduction

The iProjex API service objective is to allow machine-to-machine interaction for the submission of the following files to CCMC:

- National implementations
- National titles
- ICS (DIN)
- TC titles (DIN, AFNOR)
- Infopro data
- Keymark data (DIN certco)
- Normative references (DIN)
- Third countries national implementations

2. API interface (human interface)

This interface to the iProjex REST APIs allows a consumer to understand and interact with the remote service in a simple way without any coding.

URL:

https://iprojexrest.cencenelec.eu/swagger/ui/index

3. Authentication

For machine-to-machines, Basic authentication is base64-encoded username:password.

iProjex Username and password.

New access shall be requested to itsupport@cencenelec.eu.

4. File submission

The XML files with the submitted using the POST method as describe below.

The XML files to be submitted will follow the same structure as the file submitted through the iProjex application. The format of these XML files is described in each specific user's guide.

5. API - Submit XML file to CCMC

Post an XML file containing multiple records for upload into the CCMC DB.

Type of file:

- National implementations	topic=ImplData
- national titles	topic=TitleData
- ICS (DIN)	topic=IcsData
- TC titles (DIN, AFNOR)	topic=TbData
- Infopro data	topic=IpData
- Keymark data (DIN certco)	topic=CertData
- Normative references (DIN)	topic=NrData
- Third countries national implementations	topic=ThirdCountriesData

The format of the XML file to be submitted is described in each specific user's guide.

Returns an id code.

This id code can be used to get the log file (see 7.).

- **Root URL**

  https://iprojexrest.cencenelec.eu/

- **URL**

  api/Upload?topic=:topic

- **Method:**

  POST

- **URL Params**

  Required:

  topic=[string]

- **Data Params**

  None

- **Success Response:**

  o **Code:** 200

- **Error Response:**

  o **Code:** 400 – Invalid request
  o **Code:** 404 – Not found – Invalid URL
  o **Code:** 401 – Invalid username or password
  o **Code:** 500 – Internal server error – something is wrong with the API

6. API - Validate XML file

Post an XML file containing multiple records for validation only. No upload into the CCMC DB.

Type of file:

- National implementations	topic=ImplData
- national titles	topic=TitleData
- ICS (DIN)	topic=IcsData
- TC titles (DIN, AFNOR)	topic=TbData
- Infopro data	topic=IpData
- Keymark data (DIN certco)	topic=CertData
- Normative references (DIN)	topic=NrData
- Third countries national implementations	topic=ThirdCountriesData

The format of the XML file to be submitted is described in each specific user's guide.

Returns an id code.

This id code can be used to get the log file.

- **Root URL**

  https://iprojexrest.cencenelec.eu/

- **URL**

  api/Validate?topic=:topic

- **Method:**

  POST

- **URL Params**

  Required:

  topic=[string]

- **Data Params**

  None

- **Success Response:**

  o **Code:** 200

- **Error Response:**

  o **Code:** 400 – Invalid request
  o **Code:** 404 – Not found – Invalid URL
  o **Code:** 401 – Invalid username or password
  o **Code:** 500 – Internal server error – something is wrong with the API

7. API Log file

Get the log file related to a specific operation (id).

- **Root URL**

  https://iprojexrest.cencenelec.eu/

- **URL**

  api/Log/:id

- **Method:**

  GET

- **URL Params**

  Required:

  id=[integer]

- **Data Params**

  None

- **Success Response:**

  - **Code:** 200

- **Error Response:**

  - **Code:** 400 – Invalid request
  - **Code:** 404 – Not found – Invalid URL
  - **Code:** 401 – Invalid username or password
  - **Code:** 500 – Internal server error – something is wrong with the API

- **Sample:**

  ```
  https://iprojexrest.cencenelec.eu/api/Log/41959
  ```

8. Log file - description

The log file returned (see 7.) will be similar to the log files returned by the application, but will contains the following additional information:

- In addition to the "message description" (<Description>), the log file will also contain the "message code" (<Code>) to facilitate the further automation of the handling of errors (see annex 1 – can be provided in XML)
- A new status code (<StatusCode>,<StatusCodeDescription) will also facilitate the global assessment of processing of a set of data
    - o Status code: 1000   description: ALL records uploaded/validated
    - o Status code: 1100   description: Records uploaded/validated partially
    - o Status code: 1200   description: NO records uploaded/validated

9. Support

For the support, please contact itsupport@cencenelec.eu.

Annex1 – Message codes

CODE	SEVERITY	MESSAGE
1	E	This European standard reference cannot be found in the CCMC database. Please check the standard reference.
2	E	Incorrect Implementation process value. Please give correct value.
3	E	The implementation process value is missing or incorrect. Please give the information.
4	W	The National standard reference lay-out does not correspond to the standard lay-out of your organization.
5	E	The National standard reference is missing. Please give the information.
6	W	No language code given. No language will be taken.
7	W	Invalid language code. No language will be taken.
8	E	This WI number does not exist in the Work Programme. Please give correct WI number.
9	E	This WI surrogate does not exist in the Work Programme. Please give correct WI surrogate.
10	E	The value on existing conflicting standard(s) is missing. Please give the information.
11	E	Incorrect existing conflicting standard(s) value. Please give correct value.
12	E	Error occurred (NSB not a member/affiliate) - Please contact the CCMC Administrator.
13	W	An additional national reference will be added. National implementation already available as
14	E	No data will be added. Several National Implementations are already available for this European Standard.
15	E	No National implementation data will be added. National implementation already available as
16	W	An additional language will be added. National implementation already available as
17	W	The publication date will be updated. National implementation already available as
18	L	This record has been successfully loaded into the CCMC database.
19	L	This withdrawal record has been successfully loaded into the CCMC database.
20	E	No data will be added. Please contact the CCMC Administrator - MIDAS substructure not created
21	E	No data will be added. NSB indicated in the data file does not correspond to your user profile.
22	W	No Conflicting National Standard data will be loaded. Conflicting National Standard data already available as
23	E	Existing conflicting standard(s) = Y but the reference of national official journal announcing withdrawal is missing.
24	E	Existing conflicting standard(s) = Y but the date of national official journal announcing withdrawal is missing.
25	E	Error occurred (NSB not in CMC_NSB_PERMITTED_LANG) - Please contact the CCMC Administrator.
26	E	No data loaded: Provision of this language does not correspond to your organization's profile. Please contact the CCMC Administrator.
27	E	The title cannot be updated since a ballot is currently underway.
28	W	This title already exists in the CCMC database. The title will be updated.
29	E	No language code given. Please give a language code.
30	E	Invalid language code. Please give correct value for the language code.
31	E	This ICS code is not present in the CCMC database.
32	W	ICS codes have already been allocated to this WI and will be overwritten.
33	W	No Conflicting National Standard data will be added. Withdrawal only concerns ENs.
34	E	Incorrect language code: field IPLANG. No data will be loaded.
35	W	The publication date will be updated. Conflicting National Standard already available as
36	W	No Conflicting National Standard data will be loaded. The field CONFL = 'No' but you gave Conflicting National Standard information in your file.
37	E	This Technical Body name does not exist in the CCMC database. Please give correct name.
38	E	This Technical Body surrogate does not exist in the CCMC database. Please give correct TB surrogate.
39	E	Neither Title nor Scope provided. Please give either a Title and/or a Scope.
40	W	This TB title already exists in the CCMC database. The title will be updated.
41	W	This TB scope already exists in the CCMC database. The scope will be updated.
42	W	An optional data field will be updated. National implementation already available as
43	W	No conflicting standard data will be added as this information is not stored at CCMC for corrigendum.
44	W	The publication date will be updated, a language will be added. National implementation

		already available as
45	E	The title is missing. Please give the information.
46	E	The European standard reference is missing. Please give the information.
47	E	The WI number is missing. Please give the information.
48	E	The WI surrogate is missing. Please give the information.
49	E	The publication date is missing. Please give the information.
50	W	No planning data will be added. Planning structure is missing in MIDAS. Please contact the CCMC Administrator.
51	E	This National Standardization Body does not exist in the CCMC database. Please give correct information.
52	W	An additional conflicting standard will be added. Conflicting standard already available as
53	W	Conflicting standard information will not be loaded due to Affiliate Status at the time of publication.
54	E	Compulsory field PROJID missing. No data will be loaded.
55	E	Compulsory field PROJNOT missing. No data will be loaded.
56	E	Compulsory field STDNAT missing. No data will be loaded.
57	E	Compulsory field IPSTS missing. No data will be loaded.
58	E	Compulsory field IPLANG missing. No data will be loaded.
59	E	Compulsory field ENTITLE missing or too short. No data will be loaded.
60	E	Compulsory field SSEC missing. No data will be loaded.
61	W	Field IPTITLE missing.
62	W	Field IPSCOPE missing.
63	W	Field IPCOM missing.
64	W	Field STDREF missing.
65	W	Field ICS missing.
66	W	Field IPKW missing.
67	W	IPTITLE field LANG missing. The associated text will not be loaded.
68	W	IPSCOPE field LANG missing. The associated text will not be loaded.
69	W	IPCOM field LANG missing. The associated text will not be loaded.
70	W	IPKW field LANG missing. The associated text will not be loaded.
71	W	Field ORIG missing. The non national standard information will not be loaded.
72	W	Field RELAT missing. The non national standard information will not be loaded.
73	E	Compulsory SSEC field MAIN missing. No data will be loaded.
74	W	ICS field MAIN missing. No ICS information will be loaded.
75	E	STDNAT contains an invalid value. No data will be loaded.
76	E	IPSTS contains an invalid value. No data will be loaded.
77	E	Compulsory field NOTD missing. No data will be loaded.
78	W	ORIG contains an invalid value. The non national standard information will not be loaded.
79	W	RELAT contains an invalid value. The non national standard information will not be loaded.
80	E	Sub-sector code not present in the CCMC database. No data will be loaded.
81	E	SSEC field MAIN contains an invalid value. No data will be loaded.
82	E	No main sub-sector code defined. No data will be loaded.
83	W	ICS code not present in the CCMC database. ICS information will not be loaded.
84	W	ICS field MAIN contains an invalid value. ICS information will not be loaded.
85	W	No main ICS code defined. ICS information will not be loaded.
86	W	Incorrect language code: field IPTITLE/LANG. The associated text will not be loaded.
87	W	Incorrect language code: field IPSCOPE/LANG. The associated text will not be loaded.
88	W	Incorrect language code: field IPCOM/LANG. The associated text will not be loaded.
89	W	Incorrect language code: field IPKW/LANG. The associated text will not be loaded.
90	E	The National Project is already present in the CCMC database with the same information. No data will be loaded.
91	W	The Notification of National Project will be assigned in the CCMC database a notification number of
92	E	No data will be added. Please contact the CCMC Administrator - multiple Work items corresponding to this Standard Reference.
93	E	No data will be added. This European Standard has not yet been published or has been withdrawn. The data you are uploading should only relate to active and published standards.
94	E	The Technical Body name is missing. Please give a TB name.

95	E	The Technical Body surrogate is missing. Please give a TB surrogate.
96	E	No data will be loaded. PROJID contains more than 8 characters.
97	W	Please contact the CCMC Administrator: planning structure double in MIDAS.
98	E	No ICS code given. Please give a ICS code.
99	E	SYSTEM ERROR
100	E	No data will be added. Multiple entry of WorkItem and ICS.
101	E	The title cannot be updated since a procedure has already been launched (ENQ, FV, UAP...).
102	W	Duplicate title in one language.
103	W	Duplicate scope in one language.
104	E	This Certification Body (CBID) has multiple occurrences in the CCMC central database. Please contact dataservice@cencenelec.eu.
105	E	Incorrect or missing Certification Body ID code. Please check your file and contact CCMC if you require assistance.
106	E	Your Certification body is not empowered to issue certificates for that European standard. Please check the information or contact projex@cencenelec.eu.
107	E	Compulsory field Certificate no. missing. No data will be loaded.
108	E	Compulsory field Certificate name missing. No data will be loaded.
109	E	Compulsory field Certificate Start date missing or not a valid date. No data will be loaded.
110	E	Compulsory field Certified company name missing. No data will be loaded.
111	E	Compulsory field Certified company country missing. No data will be loaded.
112	E	Compulsory field Certified company Tel missing. No data will be loaded.
113	E	Compulsory field Certified company E-mail missing. No data will be loaded.
114	E	Compulsory field Certified company Street name 1 missing. No data will be loaded.
115	E	Compulsory field Certified company City missing. No data will be loaded.
116	E	Incorrect date format. Please give the certificate start date in the correct date format: YYYY-MM-DD.
117	E	Incorrect date format. Please give the certificate end date in the correct date format: YYYY-MM-DD.
118	E	There is a problem with the structure of your file. Please contact CCMC for assistance.
119	E	There is a problem with the structure of your file. Please contact CCMC for assistance.
120	W	This Certificate already exists in the CCMC central database. The existing Certificate data will be overwritten and replaced by the data of this file.
121	W	This Certified Company already exists in the CCMC central database. No data update will be performed.
122	W	This Certified Company already exists in the CCMC central database. The existing Certified Company data will be overwritten and replaced by the data of this file.
123	E	Compulsory field Product type missing. No data will be loaded.
124	E	Incorrect country code given. No data will be loaded.
125	E	Compulsory field Certificate Status missing. No data will be loaded.
126	E	This Certificate status is incorrect. Please give correct information.
127	E	Compulsory field Postcode missing. No data will be loaded.
128	W	This European Standard has not yet been published or has been withdrawn.
129	E	The EURKEY field is empty. Please give the information.
130	E	Incorrect value in the EURKEY field. Valid values are 1, 2 or 3.
131	E	The Work Item surrogate (WIID) of the principle standard is missing.
132	E	The Work Item number (WIN) of the principle standard is incorrect.
133	E	The Standard Reference (REF) of the principle standard is missing.
134	E	The Standard Reference (REF) of the principle standard is incorrect.
135	W	Existing cross-reference data will be removed for this Work Item.
136	E	ORG_ACRONYM is missing. This is a compulsory field.
137	E	The Standard Reference of the cross-reference is missing. This is a compulsory field.
138	E	PUB_DATE is missing. This is a compulsory field.
139	E	PUB_DATE is not a valid date.
140	E	The Work Item surrogate of the cross-reference is missing and is a compulsory field for CEN normative references.
141	E	The Work Item surrogate of the cross-reference does not correspond to a standard in the CCMC database.
142	E	The Work Item number (WIN) of the cross-reference is missing and is a compulsory field for CEN normative references.
143	E	The Work Item number (WIN) of the cross-reference does not correspond to the same standard as identified by the ID.

144	E	The Standard Reference (REF) of the cross-reference does not correspond to the same standard as identified by the ID.
145	E	The Work Item surrogate of the CENELEC cross-reference is missing. Please give the information.
146	A	Incoming standard data (REF) does not correspond to the data in MIDAS.
147	E	The Work Item surrogate of the cross-reference is missing.
148	E	The title is missing. This is a compulsory field for standards.
149	A	Incoming standard data for ID does not correspond to the data in Midas.
150	A	ORG_ACRONYM not found in the database. It has been created
151	E	ORG_NAME missing.
152	E	The title is missing. This is a compulsory field for non-CEN or CENELEC standards.
153	E	The principle standard is not Published.
154	A	Duplicate Organisation acronym
155	A	Incoming standard data (PUB_DATE) does not correspond to the data in MIDAS.
156	E	Implementation process value 'Not impacted' is only allowed for corrigenda.
157	E	A National reference has already been loaded by the other NSB in your country. Please contact Data Service at dataservice@cencenelec.eu to handle your National Implementation manually.
158	A	A user has tried to load a N.I. record for a standard which already has a N.I. record from another NSB in the same country.
159	E	A national standard can not be provided with the method of implementation = 'Not impacted'.
160	E	The standard has already been implemented.
161	E	TO DEFINE - 161
162	E	TO DEFINE - 162
163	E	Please provide a number for the Internal Sales
164	E	TO DEFINE - 164
165	E	TO DEFINE - 165
166	E	TO DEFINE - 166
167	E	TO DEFINE - 167
168	E	TO DEFINE - 168
169	E	TO DEFINE - 169
170	E	TO DEFINE - 170
171	E	The information on the FV translation option is missing. Please give the information.
172	E	The information on the FV translation option is incorrect. Please give the correct information.
173	E	The CEN-CENELEC database cannot be updated since the Work Item is not at an appropriate stage. Please contact the CCMC Publications Unit (production@cencenelec.eu) if a modification is needed.
174	E	Information on FV translation option already provided. No update will be performed. Please contact the CCMC Publications Unit (production@cencenelec.eu) if a modification is needed.
175	E	No data loaded. This WI/Standard is not active.
176	E	No key provided (EURRKEY, WIID, WIN).
201	E	authenticate: there is no such USERNAME.
202	E	authenticate: there is no such couple of USERNAME and PASSWORD.
203	E	authenticate: the user has no valid iprojex_surr_org.
204	E	authenticate: the user has not a minimum of 1 iProjex module or is not ADMIN.
205	E	authenticate: there is at least 1 USERSUBJECT for which the iprojex_surr_org is NOT a member, affiliate or PSB.
300	A	Auxiliary Process Failure.
500	E	Unloadable (record will not be processed).
600	E	Excel file schema validation error: not an Excel 97-2003 xls file.
621	E	Excel file schema validation error: missing required sheet identifier.
622	E	Excel file schema validation error: required index cell missing.
623	E	Excel file schema validation error: static value not found.
624	E	Excel file schema validation error: required cell value is null.
625	E	Excel file validation error: value outside of enumeration range.
626	E	Invalid Excel file.
701	E	Xml file does not validate against XSD schema. No data will be loaded.
799	E	XML file not well-formed.