

ECERTIS MULTI- DOMAIN WEB SERVICES REST API

V0.6
2023/07/04

European Commission
DG GROW

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Document history:

Changes to this document are summarized in the following table in reverse chronological order (latest version first).

Revision	Date	Created by	Short Description of Changes
Draft Version	16/09/2020	eCertis Team	First draft
0.1	29/09/2020	eCertis Team	<ul style="list-style-type: none">• New link of Acceptance environment – New mapping• Enhanced Criteria WS allowing two new parameters: Domain and Scenario
0.2	13/10/2020	eCertis Team	New service: list/domains
0.3	19/10/2020	eCertis Team	<ul style="list-style-type: none">• Add new parameter to Criteria service when using UUID• Fix the link to ESDP service
0.4	23/10/2020	eCertis Team	<ul style="list-style-type: none">• Correct name 'countryFilter' parameter for ... /criteria/espd/{id}/{version} and .../criteria/{id}/{version} services• New criteria service enhanced for multi domain purpose: criteriaMd/{id}/{version}
0.5	23/02/2021	eCertis Team	Brief explanation on how 'criteria' service works
0.6	04/07/2023	eCertis Team	Corrected: {version} set by default to latest version (not first version)

Introduction

The Commission provides and manages the electronic system eCertis, an online information tool, which helps to understand how requirements can be met in European countries. A requirement is for example how a business can proof that they have paid their taxes. This service started in the domain of public procurement, where suppliers need to proof that they meet exclusion grounds and selection criteria used for procurement procedures. Through eCertis public buyers can see how a supplier can proof those requirements. This is especially important for cross-border procurement where the buyers might not have the knowledge on how suppliers can fulfil the requirements in their country.

The data in eCertis is not only accessible through the webpage but also through a REST service. This helps solutions to integrate eCertis into their service to make the content more accessible to their users.

With the latest version of eCertis, it is possible to cater for multiple domains. These will be added depending on the needs. First it will cover different other areas of procurement as well like, like defence procurement or in utilities.

Web Service Description

The Web services offered by eCertis allow the user to download information available on the eCertis database via Representational State Transfer (REST). The eCertis REST API is structured so that the user can retrieve information about Criteria, Evidences and lists of Parameters to be used as optional filters in the queries. The user can retrieve the data using the GET method of the HTTP protocol and optionally applying query parameters for filtering the results.

The specifications that follow are mainly logical, and describe in detail how to use the API to access such resources.

How to access:

➤ **Production (real) environment:**

The base URL is <https://ec.europa.eu/growth/tools-databases/ecertisrest/> The URLs described in the following specifications bellow must be appended to the base URL.

➤ **Acceptance (testing) environment:**

The base URL is <https://webgate.acceptance.ec.europa.eu/growth/tools-databases/ecertisrest3> The URLs described in the following specifications must be appended to the base URL.

Web Service List

Services Related to Parameter Lists

URL	DESCRIPTION	OUTPUT FORMAT DATA	HTTP METHOD	PARAMETERS
list/languages	Provides a list with all the available languages.	JSON or XML according to client request	GET	N/A
list/criteriatypes	Provides a list with all the available criteria types (inclusion, exclusion, etc.)	JSON or XML according to client request	GET	N/A
list/nationalentities	Provides a list with all the national entities	JSON or XML according to client request	GET	N/A
list/domains	It returns a list with all domains and related Scenarios.	JSON or XML according to client request	GET	N/A

Services Related to Criteria

Source data: Criterion (MD)

URL	DESCRIPTION	OUTPUT FORMAT DATA	HTTP METHOD	PARAMETERS
<p>criteria</p> <p>With parameters: criteria?param=value&param=value&param=value</p> <p>Examples: criteria?nationalEntity=be&type=3&updateDate=15-12-2019&lang=en</p> <p>criteria?scenarioId=1100&domainId=1100</p>	<p>Without any parameters, it returns a list of all EU criteria that are not parent criteria. To retrieve national criteria, use the nationalEntity parameter specifying the ID of the country. Additional parameters can be used to further filter the list. The list will contain each criterion with their ID, Name and Description; to retrieve further information on a specific criterion see next entry.</p>	<p>JSON or XML according to client request</p>	<p>GET</p>	<p>nationalEntity (specify national criteria)</p> <p>type (specify criterion type)</p> <p>updateDate (specify the oldest point in time in which a criterion has been updated, format is DD-MM-YYYY)</p> <p>lang (specify the language, default is English)</p>
<p>criteria</p> <p>With parameters: criteria?param=value&param=value</p> <p>Examples: criteria?scenarioId=1100&domainId=1100</p> <p>criteria?scenarioId=1100</p> <p>criteria?domainId=1100</p>	<p>To retrieve criteria of specific domain / scenario, use both domainId and scenarioId parameters.</p> <p>The service allows to enter one of them as well</p>			<p>scenarioId (specify the scenario)</p> <p>domainId (specify domain)</p>
<p>criteria/{id}/{version}</p> <p>With parameters: criteria/{id}/{version}?param=value</p>	<p>Returns a specific version of a criterion, with all sub criterion linked to it and for each one returns all</p>	<p>JSON or XML according to client request</p>	<p>GET</p>	<p>Id/Version (specify the id and version)</p>

URL	DESCRIPTION	OUTPUT FORMAT DATA	HTTP METHOD	PARAMETERS
<p>Examples:</p> <p>criteria/87222-a2a7-4f74-8116-58e964056c9f/1?countryFilter=pt</p>	<p>evidences that fulfill the criterion and all laws for all countries.</p> <p>To retrieve national criteria use the nationalEntity parameter specifying the ID of the country.</p> <p>Is possible to provide the Version is not mandatory and defaults to latest version.</p>			<p>lang (specify the language, default is English)</p> <p>countryFilter (specify national criteria)</p>
<p>criteriaMd/{id}/{version}</p> <p>With parameters: criteriaMd/{id}/{version}?param=value</p> <p>Examples:</p> <p>criteriaMd/005eb9ed-1347-4ca3-bb29-9bc0db64e1ab/1?nationalEntity=pt</p>	<p>Returns a specific version of a criterion, with all the evidences and all laws for all countries.</p> <p>To retrieve national criteria use the nationalEntity parameter specifying the ID of the country.</p> <p>Is possible to provide the Version is not mandatory and defaults to latest version.</p>	<p>JSON or XML according to client request</p>	<p>GET</p>	<p>Id/Version (specify the id and version)</p> <p>lang (specify the language, default is English)</p> <p>nationalEntity (specify national criteria)</p>

Brief explanation on how 'criteria' service works:

To retrieve all criteria for a specific country a specific 'nationalEntity' parameter must be provided. Ex. <https://ec.europa.eu/growth/tools-databases/ecertisrest/criteria?nationalEntity=be> → This call will return only "be" (Belgium) criteria

In order to get details of a specific Belgium criterion please use the uuids returned on the service mentioned above without countryFilter parameter as these uuid will be for the specific entered country criteria. Ex. <https://ec.europa.eu/growth/tools-databases/ecertisrest/criteria/83d5c150-fffd-4886-b01a-60c132cb3aa5> --> this call will return the details of the Belgium criterion for the specified uuid

The service <https://ec.europa.eu/growth/tools-databases/ecertisrest/criteria> it will return the 56 generic criteria.

In order to get the correspondent national criteria, please do the call with a specific UUID + 'countryFilter': <https://ec.europa.eu/growth/tools-databases/ecertisrest/criteria/c27b7c4e-c837-4529-b867-ed55ce639db5?countryFilter=be>

If a selection of an uuid from the returned list of generic criteria is used without specifying a country parameter (<https://ec.europa.eu/growth/tools-databases/ecertisrest/criteria/c27b7c4e-c837-4529-b867-ed55ce639db5>) the service will return **all** the details (criteria data + evidence collections) of **all** the criteria for **all** countries in one call.

Services Related to Criteria currently used by ESPD (backwards-compatible)

(Source data: Criterion in MD)

URL	DESCRIPTION	OUTPUT FORMAT DATA	HTTP METHOD	PARAMETERS
<p>criteria/espd/{id}/{version}</p> <p>With parameters:</p> <p>criteria/espd/{id}/{version}?param=value</p> <p>Examples:</p> <p>criteria/espd/5e4bc8da-408f-4b7c-8014-037a779405d9/1?lang=en</p> <p>criteria/espd/5e4bc8da-408f-4b7c-8014-037a779405d9/1?countryFilter=pt</p>	<p>Returns a specific version of a criterion, with all sub criteria linked to it and for each one returns all evidences that fulfill the criterion and all laws for all countries.</p> <p>To retrieve national criteria use the nationalEntity parameter specifying the ID of the country.</p> <p>Is possible to provide the Version is not mandatory and defaults to latest version.</p>	<p>JSON or XML according to client request</p>	<p>GET</p>	<p>Id/Version (specify the id and version)</p> <p>Lang (specify the language, default is English)</p> <p>countryFilter (specify national criteria)</p>

Services Related to Evidence

URL	DESCRIPTION	OUTPUT FORMAT DATA	HTTP METHOD	PATH PARAMETERS
<p>evidences</p> <p>With parameters: evidences?param=value&param=value&param=value</p> <p>Example: evidences?nationalEntity=be&updateDate=15-12-2017&lang=en</p>	<p>Without any parameters, it returns a list of all evidences. To retrieve evidences for a specific country, use the nationalEntity parameter specifying the ID of the country. Additional parameters can be used to further filter the list. The list will contain each evidence with their ID, Name and Description; to retrieve information for a specific evidence see next entry.</p>	<p>JSON or XML according to client request.</p>	<p>GET</p>	<p>nationalEntity (specify national criteria)</p> <p>updateDate (specify the oldest point in time in which an evidence has been updated, format is DDMM-YYYY)</p> <p>lang (specify the language, default is English)</p>
<p>evidences/{id}/{version}</p> <p>With parameters: evidences?param=value</p> <p>Examples:</p> <p>evidences/94a20368-8095-459e-814c-5118636e34f3/1</p> <p>evidences/94a20368-8095-459e-814c-5118636e34f3/1?lang=de</p>	<p>Provides a specific version of the evidence. Version is not mandatory and defaults to latest version.</p>	<p>JSON or XML according to client request.</p>	<p>GET</p>	<p>Lang (specify the language, default is English)</p>