

Maintenance and evolution of the ESPD EDM

Publications Office – C.3

ESPD Meeting OP-GROW with Open User Community (OUC)

7th October 2021



Publications Office



an NTT DATA Company

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1. Summary of last meeting on 2nd September 2021

❖ **Meeting minutes:** https://github.com/ESPD/ESPD-EDM/blob/wgm-reports/ESPD_Minutes_OUC_Meetings_20210902_v1.0.pdf


❖ **Main topics:**


- Data model
- Issues related to future versions:
 - UUID
 - eCertis

2. Data model - Reorganisation of GitHub

- ❖ **Unique file** containing both a Business Oriented View and a Technical Oriented View.
 - **Business-oriented view** (BOV), aimed at facilitating the understanding of the model and the business context, with references to the technical model; and
 - **Technically-oriented view** (TOV), providing an UBL-based schema with references to business and aligned with the Procurement Ontology.
- ❖ The main objective is to **simplify and facilitate the understanding of the model** and its components, as well as its relationship with **eForms** and other vocabularies or models like **ePO Ontology** or **CCCEV**.
- ❖ The Data Model is available in *HTML* format and as an *.eap* file (access through the [Github wiki](#)).
 - HTML: <https://espd.github.io/ESPD-EDM/html-dataModel/>
 - .eap file: https://github.com/ESPD/ESPD-EDM/blob/master/ESPD-EDM%20UML%20Data%20model/ESPD_EDM_DataModel_TOV-BOV.eapx

2. Data model - Reorganisation of GitHub

 **Ted** • Developer Docs Home

ESPD EDM 3.0.0 

Developer Docs
eForms SDK
0.3.0
eProcurement Ontology
2.0.0
ESPD EDM
3.0.0 2.1.1 2.1.0 2.0.2
2.0.1 2.0.0 1.0.2 1.0.1

The European Single Procurement Document

Technical Handbook v3.0.0

1. UBL Based and distribution package

Semantic assets have been defined by [ISA](#) as "a collection of highly reusable metadata (e.g. xml schemata, generic data models) and reference data (e.g. code lists, taxonomies, dictionaries, vocabularies) which are used for e-Government system development".

1.1 ESPD Distribution package

All the semantic assets needed to implement ESPD electronic documents are organised in a [distribution package](#). The content of this folder is organised as follows:

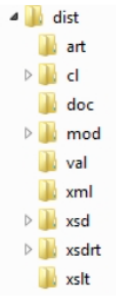


Figure 5. Distribution (dist) package

1. **art**: contains graphical resources used to document the distribution;

Contents
Technical Handbook v3.0.0
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1.3 UBL-2.3 Documents and libraries
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2. The ESPD Request Document
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2.2 ESPD Request XSD Schema
2.3 ESPD Request cardinalities
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2.5 Lot Management
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2.7 Contracting Body
2.8 Service Provider
3. Common aspects for criteria
3.1 General behavior
3.2 Legislation
3.3 Groups of properties
3.4 Properties
3.5 Mock-ups
3.6 Data Structures
3.7 XML examples and tools
3.8 GUI control elements
4. Exclusion criteria

3. Revision of the documentation

- ❖ Documentation is being reviewed to make it **comprehensible** and **self-contained**.
 - **Comprehensible**
 - ✓ Use clearer and plain descriptions;
 - ✓ Use complete audience oriented content, ie, xml snippets examples for the Technical Handbook;
 - **Self-contained**
 - ✓ Gather all business requirements and business rules together within the documentation, avoiding the need to consult these in external for implementation.

4. Closed issues

❖ Issues closed since last OUC meeting (3 issues)

Issue	Title of the issue
<u>199</u>	Alignment between ESPD and eCERTIS - Guideline how to detect the right eCERTIS scope
<u>223</u>	No need for Criterion #51: Subcontracted Proportion
<u>311</u>	Question on UUIDs for REQUIREMENT(s) and QUESTION(s)

5. Issues related to future versions

❖ **UUID**

❖ **eCertis**

4. Issues related to future versions - UUID

❖ Identification of a criterion and its elements – UUID vs Hash value

Issue	Title of the issue
312	Question on UUID for Repeatable Question Sub Group
Description and proposed solution	
<p>Description: Both issues require clarifications on the assignment of UUID in QUESTION and REQUIREMENT in the RESPONSE document.</p>	
<p>Proposed solution: At criteria level, a UUID is created for each criterion. Within a criterion, a specific amount of elements can be provided by the EO and a hash value could be created for each one of these elements with information from the EO, the UUID of the criterion and with specific elements of the content itself. Therefore, the hash value would be unique and not arbitrary, it would respect the once-only principle and would facilitate a better reuse of information.</p>	
<p>This solution would be a major change from current version 3.0.0 of ESPD-EDM.</p>	

4. Issues related to future versions - UUID

❖ UUID reusable response code – Proposed new code

CCCCCCCC-XXXX-SSSS-EEEEEEEE-RRRRRRRR
[8] [4] [4] [56] [56]

- **CCCCCCCC** (*REQUEST*): Criterion code as a CRC32 hash value.
- **XXXX** (*REQUEST*): Fixed unique code. This value will be defined in the ESPD criteria to ensure identifiers are collision-safe.
- **SSSS** (*REQUEST*): Sequence value needed to address multiple cardinality. This value is local to the group with multiple cardinality.
- **EEEEEEEE** (*RESPONSE*): EO identifier + Country code as a SHA224 hash value.
- **RRRRRRRR** (*RESPONSE*): Response value as a SHA224 hash value.

■ REQUEST example:

4908c6dc-a52d-0001

■ RESPONSE example:

4908c6dc-a52d-0001-
84113de743e6d6f4e09ed430576ee18ef5ff786524778ecf482c86b3-
cf655931d7b5dd0a2880633ab7be2f4395857f67edddd7f5ad6ede0c

5. Issues related to future versions - eCertis

❖ Issues related to eCertis

Issue	Title of the issue
<u>251</u>	Link eCertis and ESPD

5. Issues related to future versions - eCertis

❖ Goal

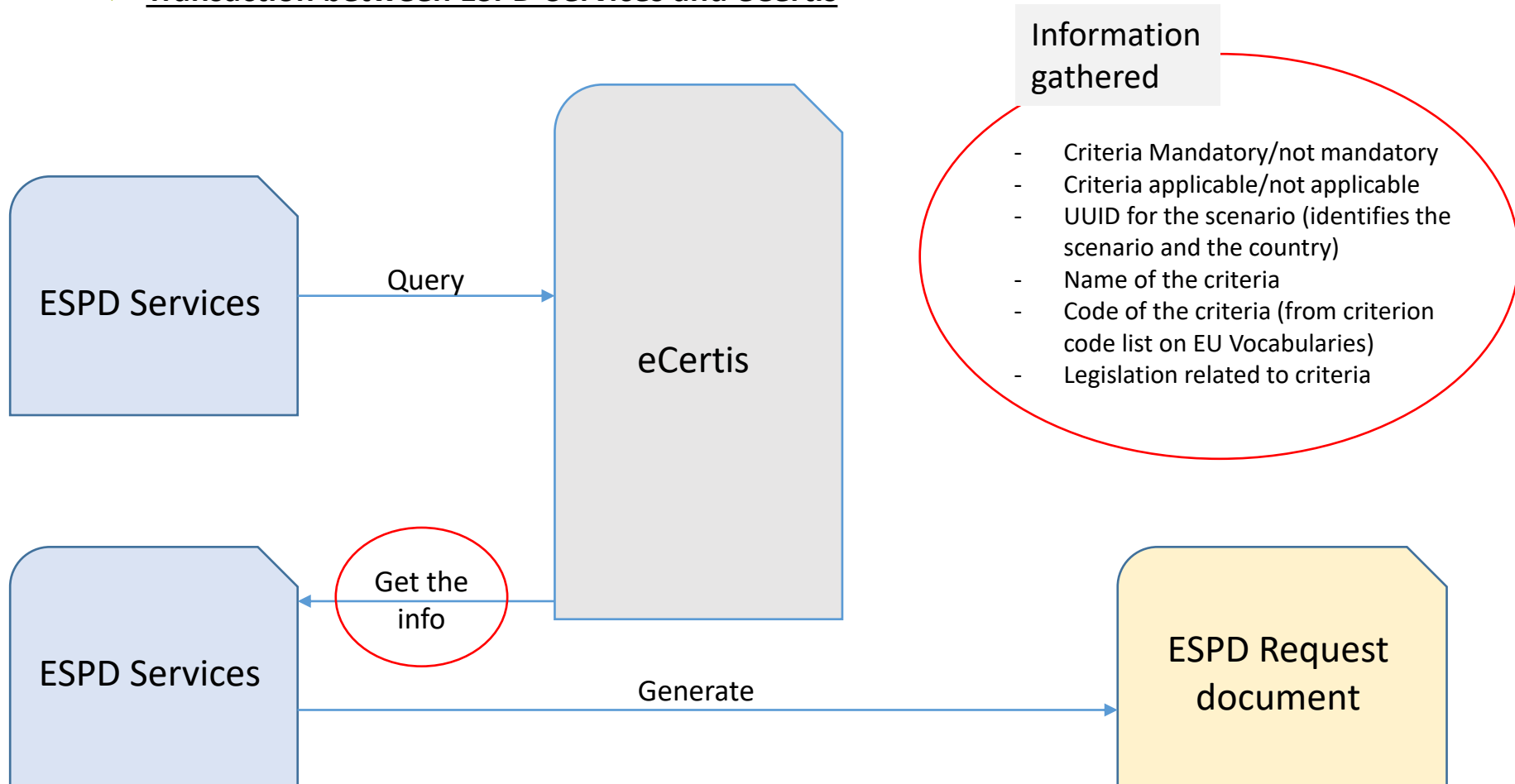
Align both models (**eCertis** and **ESPD**) to facilitate information reuse, making the generation of the **ESPD Request** document easier.

❖ Parties involved

- **ESPD Services would retrieve the criteria from eCertis.** This would allow to make ESPD services by not having all the information placed inside.
- **The ESPD-EDM would provide the data structures** to place the data, including the required additions to place the UUID.
- **eCertis would include the following data:**
 - ✓ Criteria mandatory/not mandatory (*eCertis is currently working to implement it*)
 - ✓ Criteria applicable/not applicable (*eCertis is currently working to implement it*)
 - ✓ UUID for the scenario, that would identify the scenario and the country
 - ✓ Name of the criteria (*eCertis is currently analysing how to implement it*)
 - ✓ Code of the criteria, from criterion code list on EU Vocabularies
 - ✓ Legislation related to criteria


5. Issues related to future versions - eCertis

❖ Transaction between ESPD-Services and eCertis



5. Issues related to future versions - eCertis

❖ Current eCertis website

 **European Commission** | **eCertis**

English **EN**

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☒ Criteria ☐ Issuers ☐ Evidence

Country

1 items selected

Last update

Evidence type

1 items selected

Evidence Fee

Choose an option

Evidence Samples

Choose an option

Scenario

Choose an option






Categories

Choose an option

Search

[Export to Excel](#)

[Compare](#)

	Country	Type	Name	Last update		Actions
>	 Belgium	Criterion	Obligations in the field of environmental law	13/09/2021	<input type="checkbox"/>	Q
>	 Belgium	Criterion	Obligations in the field of social law	13/09/2021	<input type="checkbox"/>	Q
>	 Belgium	Criterion	Obligations in the field of labour law	13/09/2021	<input type="checkbox"/>	Q
>	 Belgium	Criterion	Payment of taxes	27/11/2020	<input type="checkbox"/>	Q
>	 Belgium	Criterion	Payment of social security contributions	27/11/2020	<input type="checkbox"/>	Q

5. Issues related to future versions - eCertis

❖ New functionalities being developed in eCertis

▼ 📁 Exclusion Ground

▼ 📁 Criminal convictions

- Child labour and other forms of trafficking in human beings
- Corruption
- Fraud
- Money laundering or terrorist financing
- Participation in a criminal organisation
- Terrorist offences or offences linked to terrorist activities

Is mandatory : ☐

Is applicable : ☒



Is mandatory : ☐

Is applicable : ☒



Is mandatory : ☐

Is applicable : ☒



Is mandatory : ☐

Is applicable : ☒



Is mandatory : ☐

Is applicable : ☒



Is mandatory : ☐

Is applicable : ☒



▶ 📁 Other exclusion grounds

▶ 📁 Grounds related to insolvency, conflicts of interests or professional misconduct

▶ 📁 Grounds related to the payment of taxes or social security contributions

▶ 📁 Not assigned

▶ 📁 Selection Criteria

5. Issues related to future versions - eCertis

❖ Elements to be provided by eCertis

```
<!-- Criterion:Corruption -->
<cac:TenderingCriterion>
  <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">c27b7c4e-c837-4529-b867-ed55ce639db5</cbc:ID>
  <cbc:CriterionTypeCode listID="criterion" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">corruption</cbc:CriterionTypeCode>
  <cbc:Name>Corruption</cbc:Name>
  <cbc:Description>Has the economic operator itself or any person who is a member of its administrative, management or supervisory body or has powers of representation, decision or

  <cac:SubTenderingCriterion>
    <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">e6b21867-95b5-4549-8180-f4673219b179</cbc:ID>
    <cbc:Name>[Name of the National Criterion]</cbc:Name>
    <cbc:Description>[Description of the National Criterion ]</cbc:Description>
    <cac:TenderingCriterionPropertyGroup>
      <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">8c39b505-8abe-44fa-a3e0-f2d78b9d8224</cbc:ID>
      <cbc:PropertyGroupTypeCode listID="PropertyGroupType" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">ON</cbc:PropertyGroupTypeCode>
      <cac:TenderingCriterionProperty>
        <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">26a9de82-dcb1-4e9e-9fcf-c0c57892dfe4</cbc:ID>
        <cbc:Description>[Additional information; e.g. no evidences online]</cbc:Description>
        <cbc:TypeCode listID="CriterionElementType" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">CAPTION</cbc:TypeCode>
        <cbc:ValueDataTypeCode listID="ResponseDataType" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">NONE</cbc:ValueDataTypeCode>
      </cac:TenderingCriterionProperty>
      <cac:TenderingCriterionProperty>
        <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">8f4758e7-8e9b-4eeb-bfbf-604fec97fab</cbc:ID>
        <cbc:Description>Your Answer</cbc:Description>
        <cbc:TypeCode listID="CriterionElementType" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">QUESTION</cbc:TypeCode>
        <cbc:ValueDataTypeCode listID="ResponseDataType" listAgencyID="EU-COM-GROW" listVersionID="3.0.0">INDICATOR</cbc:ValueDataTypeCode>
      </cac:TenderingCriterionProperty>
    </cac:TenderingCriterionPropertyGroup>
  </cac:SubTenderingCriterion>
  <cac:Legislation>
    <cbc:ID schemeID="criterion" schemeAgencyID="EU-COM-GROW" schemeVersionID="3.0.0">9ae175fb-e7ad-4994-a9c7-ab4d02b730de</cbc:ID>
    <cbc:Title>[Legislation title]</cbc>Title>
    <cbc:Description>[Legislation description]</cbc:Description>
    <cbc:JurisdictionLevel>EU</cbc:JurisdictionLevel>
    <cbc:Article>[Article, e.g. Article 2.I.a]</cbc:Article>
    <cbc:URI>http://eur-lex.europa.eu/</cbc:URI>
    <cac:Language>
      <cbc:LocaleCode listID="language" listAgencyName="EU-COM-OP" listVersionID="20201216-0">ENG</cbc:LocaleCode>
    </cac:Language>
  </cac:Legislation>
</cac:TenderingCriterion>
```

- UUID of the criterion
- Name
- Legislation related information
- Description

Data structure will be provided by ESPD-EDM (as per today)

5. Issues related to future versions - eCertis

❖ eCertis would provide a UUID for the scenario per country

```
<?xml version="1.0" encoding="UTF-8"?>
<QualificationApplicationResponse
  xmlns="urn:oasis:names:specification:ubl:schema:xsd:QualificationApplicationResponse-2"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:cac="urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2"
  xmlns:cbc="urn:oasis:names:specification:ubl:schema:xsd:CommonBasicComponents-2"
  xmlns:xs="http://www.w3.org/2001/XMLSchema"
  xmlns:fn="http://www.w3.org/2005/xpath-functions"
  xmlns:office="urn:oasis:names:tc:opendocument:xmlns:office:1.0"
  xmlns:style="urn:oasis:names:tc:opendocument:xmlns:style:1.0"
  xmlns:table="urn:oasis:names:tc:opendocument:xmlns:table:1.0"
  xmlns:text="urn:oasis:names:tc:opendocument:xmlns:text:1.0" xmlns:util="java:java.util.UUID"
  xsi:schemaLocation="urn:oasis:names:specification:ubl:schema:xsd:QualificationApplicationResponse-2 ../xsdrt/maindoc/UBL-QualificationApplicationResponse-2.3.xsd">
  <cbc:ID schemeID="ISO/IEC 9834-8:2008 - 4UUID" schemeAgencyID="EU-COM-GROW" schemeVersionID="2.0">e356bffe-0143-4bf1-1111-326dca26d64a</cbc:UUID>
```

- The element remarked shall be included within the ESPD-EDM to ensure there is a placeholder for the UUID coming from eCertis.
- The UUID would identify both the Scenario and the country

6. Next meetings

Next **OUC meetings**:

❖ October 28th , 10:00 – 11:30

ESPD Seminar: December 2nd, 14.00 – 17.00 (*date has been changed*)

7. AOB

Questions ?

Thank you!