Publications Office
of the European Union

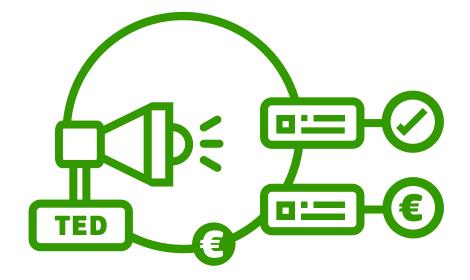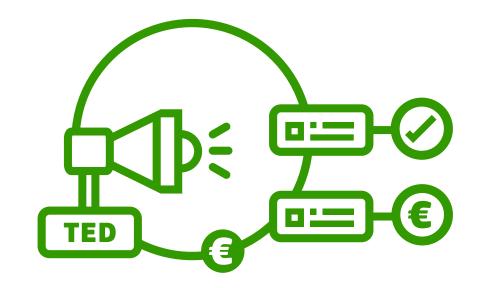# ESPD ANNUAL SEMINAR 2023
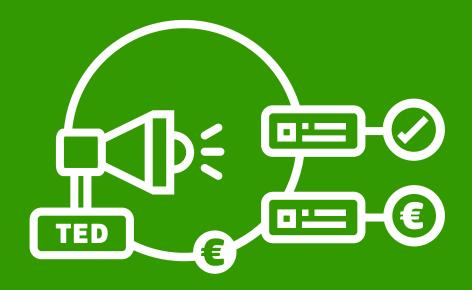
30th November 2023

TABLE OF CONTENTS
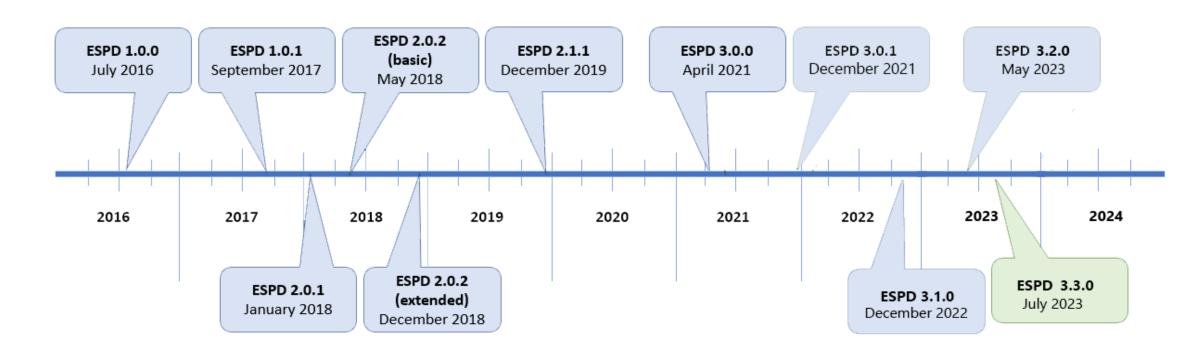
INTRODUCTION
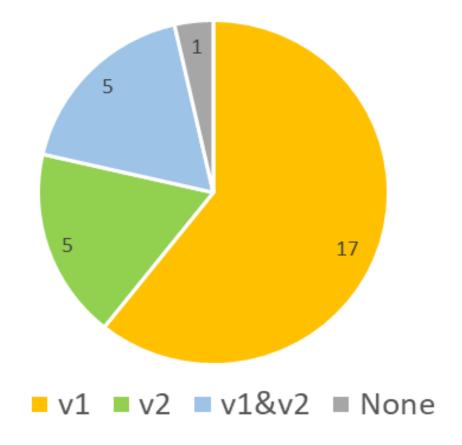
Paloma Arillo Aranda, Publications Office

Introduction

- ✓ December 2022 → **v3.1.0 minor version,**
- ✓ May 2023 → **v3.2.0 minor version**,
- ✓ July 2023 → **v3.3.0 minor version.**

Introduction
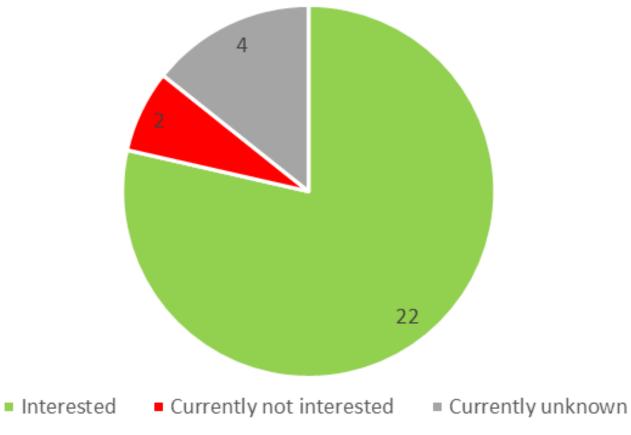
ESPD-EDM versions used across Europe / *info last update mid-2023*

Introduction

Countries interested in using v3 / *info last update mid-2023*

Legend: ■ Interested ■ Currently not interested ■ Currently unknown

Pie chart values: 22 (Interested), 2 (Currently not interested), 4 (Currently unknown)

Introduction

2023:

✓ **7** Open User Community meetings
✓ **25** users in average
✓ from different countries

Presentations & reports: https://docs.ted.europa.eu/espd-ouc/index.html

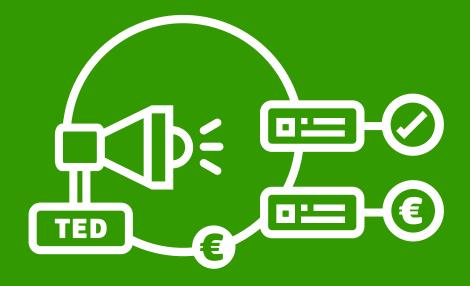| Date of the OUC meeting	Number of participants	Different countries
26/01/2023	30	15
23/02/2023	37	15
23/03/2023	35	16
27/04/2023	20	13
29/06/2023	22	12
21/09/2023	20	9
26/10/2022	12	9

Introduction

- 2023:

  - The Open User Community members have opened **23 new issues** in GitHub on 2023;

  - The ESPD Team has **solved 14** out of 23 issues.

- Currently, there are **22 issues open** in GitHub (9 of those are depending on a third party):

  https://github.com/OP-TED/ESPD-EDM/issues

ESPD-EDM v3.1.0 - Q4 2022

- **ESPD-EDM v3.1.0: minor release →December 2022**.

- Changes included in the release are available at: https://github.com/OP-TED/ESPD-EDM/releases/tag/v3.1.0 .

- The related online documentation is also published at: https://docs.ted.europa.eu/ESPD-EDM/3.1.0/index.html .

- ESPD-EDM v3.1.0 provides updates covering:

  - Occupation code list (ESCO);

  - Corrections in code lists;

  - Corrections in the data structure;

  - Conceptual model: typos;

  - Schematron rule: deletion;

  - Online documentation updates;

  - ESPD Test Cases Mapping Documentation.

ESPD-EDM v3.1.0 - Q4 2022

Item	Change	Related issues
Occupation code list	• The current technical code list is replaced by the codelist provided by EU Vocabularies with the updated values from ESCO (Multilingual classification of European Skills, Competences, Qualifications and Occupations, https://esco.ec.europa.eu/) • Removal of the option "Other occupations" from taxonomy and documentation	#307, #347
Corrections in code lists	• Data Type: date format in code list Criterion • Financial ratio type: inconsistency between the language label and the actual language	#332, #337
Corrections in the data structure	• Data misplacement in several lines in Criteria 35, 52 and 53 • Incorrect or missing cardinalities • Incorrect use of the UUID • New requirements within a requirement group to show the number of fiscal years to be covered and the threshold	#322, #320, #326, #327, #333, #338, #340, #343, #346, #350

ESPD-EDM v3.1.0 - Q4 2022

Item	Change	Related issues
Schematron rules	• Incorrect validation related to the ProfileID version. Rule deletion.	#324
SubCriterion	• Update in documentation on how it should be used	#352
Short Tag Name and Implicit Numbering	• Update in the online documentation. New section added with 2 figures.	#335
XSLT updates + related online documentation updates	• Refactoring (functions position, EG vs SC handling) + Common Attributes value updates (SchemeAgencyID, ListAgencyID, SchemeVersionID, ListVersionID)	

ESPD-EDM v3.1.0 - Q4 2022

Occupation code list (ESCO) - #307, #347

- The Occupation code list maintained by **EU Vocabularies** used instead of the technical code list;

- ESPD-EDM v3.1.0:

  - ✓included gc generated by EU Vocabularies,

  - ✓maintained the metadata on the repository

  - ✓validation rules was updated accordingly;

- **Did not include the code "0000.0" - other occupations**;

- Option "Other occupations" was removed from the data structure in the criterion C25 SC prof-regist, and from the documentation for consistency.
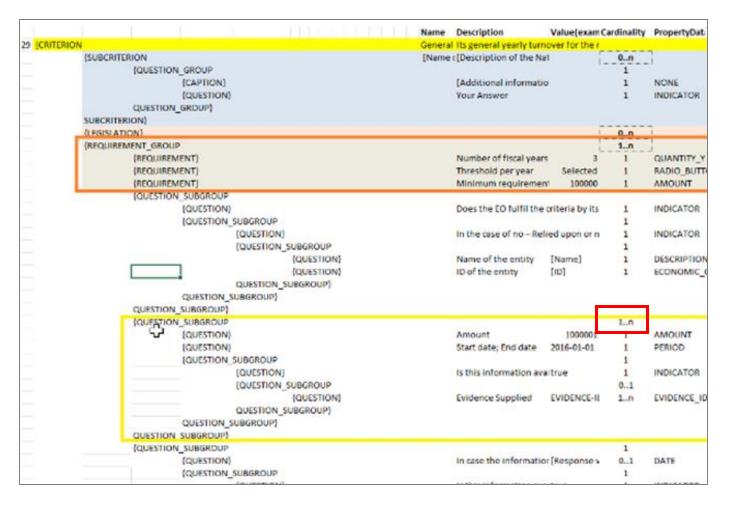
ESPD-EDM v3.1.0 - Q4 2022

Corrections in the data structure ([#340](#340))

- A requirement that represents the number of fiscal years to be covered in the requirement group within criterion "General yearly turnover", was added;

- An intermediate requirement that represents the selection of "Threshold per year" was added.

ESPD-EDM v3.1.0 - Q4 2022

Corrections in the data structure (#340)

- When the yearly turnover is required for different years, the Question SubGroup must be replicated.

- Cardinality of the related Question SubGroup is 1..n

ESPD-EDM v3.1.0 - Q4 2022

ESPD Test Cases Mapping Document

➢**v2:** document was available

➢provided detailed **information regarding business rules**
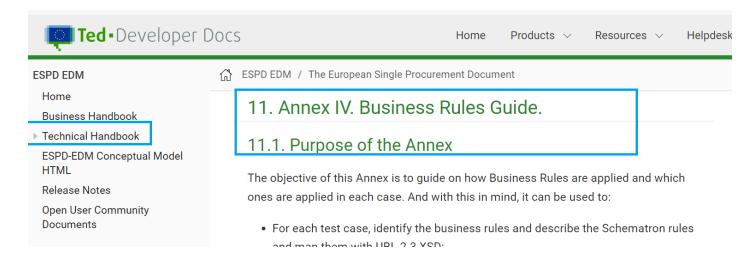
➢purpose:
- ✓ identify the related business rules for each test case;
- ✓ describe the Schematron rules, map them with UBL-2.2 XSD;
- ✓ validate the criteria taxonomy
- ✓ facilitate the understanding of the different validation artefacts in the ESPD-EDM

ESPD-EDM v3.1.0 - Q4 2022

ESPD Test Cases Mapping Document

➤**v3**: simplified version provided

➤GitHub #331: requested as it is a helpful tool for technical implementation

➤available at the Technical Handbook, Annex IV:

https://docs.ted.europa.eu/ESPD-EDM/latest/xml_technical_handbook.html#business-rules-guide

ESPD-EDM v3.2.0 – Q2 2023

- **ESPD-EDM v3.2.0 minor release →May 2023**.
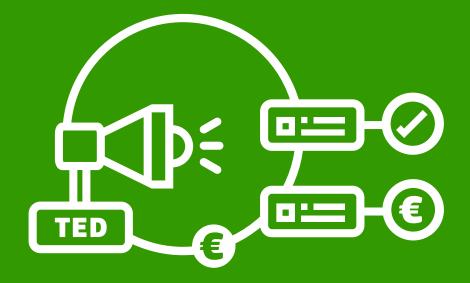
- All changes included in the release are available at: https://github.com/OP-TED/ESPD-EDM/releases/tag/v3.2.0 .

- The related online documentation is also published at: https://docs.ted.europa.eu/ESPD-EDM/3.2.0/index.html .

- ESPD-EDM v3.2.0 provides updates covering:

  - Correction of **listID** values and Codelists updates;   - Codelists gc and XML samples generation;

  - Correction of date and time format in the XSLT files;   - XSLT updates: Attributes, Validation errors;

  - Updates: CustomizationID, ProfileID, ProcedureCode;   - Schematron rules and Validation updates;
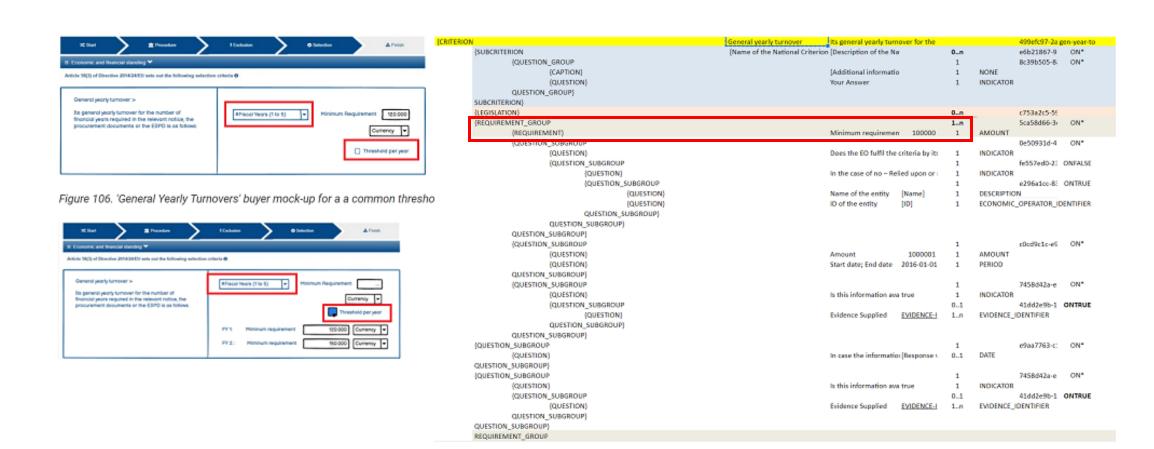
  - Corrections in the data structure;   - Online documentation updates.

ESPD-EDM v3.2.0 – Q2 2023

Item	Change	Related issues
Corrections in the data structure	• Typo errors • Indentation issues and closure elements • Incorrect use of the UUID • Mock-ups different from taxonomy • Incorrect or missing cardinalities	#368 #371 #369 #340 #374
Elements in ESPD artefacts related to CEN-BII references & codelists: CustomizationID, ProfileID, ProcedureCode	• Removal of CustomizationID and ProfileID elements from all the relevant ESPD artefacts • Re-introduction of the element ProcedureCode in the UML conceptual model	#375 #380
Correction of date and time format in the XSLT files	• Format of the date and time	#378
Correction of listID values and Codelists updates	• ListID values (7): property-group-type, response-data-type, criterion-element-type, boolean-gui-control-type, language, eo-role-type, economic-operator-size – values checked in the online documentation. • Levels: XSL & GC, XSLT & XML, Schematron files • Codelists updates: Occupation, Criterion	#380 #348 #325

ESPD-EDM v3.2.0 – Q2 2023

- **#371 :** Indentation issues and closure

ESPD-EDM v3.2.0 – Q2 2023

#340 : Mock-ups different from taxonomy

Figure 106. 'General Yearly Turnovers' buyer mock-up for a a common thresho

ESPD-EDM v3.2.0 – Q2 2023

- **#340 :** Mocks-up different from taxonomy

ESPD-EDM v3.2.0 – Q2 2023

- **#375:** CustomizationID, ProfileID, ProcedureCode

ESPD-EDM v3.2.0 – Q2 2023

- **#380:** listID value – Online documentation vs ESPD XML, XSLT, Schematron files (ShortName, Camel case used)

ShortName	PropertyGroupType
ListID	**property-group-type**
Version	3.1.0
CanonicalUri	https://github.com/ESPD/ESPD-EDM
CanonicalVersionUri	https://github.com/ESPD/ESPD-EDM/tree/v3.1.0
LocationUri	https://github.com/ESPD/ESPD-EDM/tree/v3.1.0/codelists/gc/PropertyGroupType.gc

```
</cac:TenderingCriterionPropertyGroup>
<cac:TenderingCriterionPropertyGroup>
        <cbc:ID schemeID="criterion" schemeAgencyID="OP" schemeVersionID="3.1.0">7458d4
        <cbc:PropertyGroupTypeCode listID="property-group-type" listAgencyID="OP" listV
        <cac:TenderingCriterionProperty>
                <cbc:ID schemeID="criterion" schemeAgencyID="OP" schemeVersionID="3.1.0
```
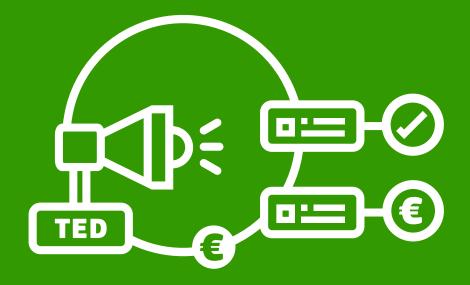
- **ListID** for technical codelists maintained by ESPD: **LongName** (lowercase+hyphen, e.g "property-group-type");
- **ListID** for EU Vocabulary codelists: **url** (e.g "http://publications.europa.eu/resource/authority/eo-role-type");
- **Consistency across ESPD artefacts**: codelists (excel, xsl), Criterion, XML, XSLT, Schematron rules, Documentation.

ESPD-EDM v3.2.0 – Q2 2023

Item (Release tasks)	Change	Related
Codelists generic code generation	• ESPD-Codelist.xlsx, XSL file	
XML samples generation	• ESPD-criterion.xlsx, XSLT files	
Validation	• Schematron bat file to execute • Generate the Validator in the Github https://github.com/ISAITB/validator-resources-espd • Commit changes	
XSLT files updates: Attributes, Validation errors – missing or incorrect information	• Updating file "ContractingAuthorityData-RequestResponse.xslt": Country/@listVersionID = 20220928-0, cbc:EndpointID/@schemeID • Updating file "EconomicOperatorData.xslt": EconomicOperatorRole, RoleCode, ID, Name, IndustryClassificationCode, IdentificationCode • Updating file "From-REQUEST-to-RESPONSE.xslt": "cbc:ResponseID", "cac:Evidence/cbc:ConfidentialityLevelCode", "cac:Evidence/cbc:ConfidentialityLevelCode/@listVersionID"	
Online documentation updates	• Index, home, image, release notes, readme • Samples online: Attributes value	

ESPD-EDM v3.3.0 – Q3 2023

- **ESPD-EDM v3.3.0 minor release → July 2023**.

- All changes included in the release are available at: https://github.com/OP-TED/ESPD-EDM/releases/tag/v3.3.0 .

- The related online documentation is also published at: https://docs.ted.europa.eu/ESPD-EDM/3.3.0/index.html .

- ESPD-EDM v3.3.0 provides updates covering:

  - Correction of **listVersionID** values and Codelists updates;

  - Percentage translation in ESPD XML files

  - Corrections in the data structure;

  - Codelists gc and XML samples generation;

  - XSLT updates: Attributes, Validation errors;

  - Schematron rules and Validation updates;
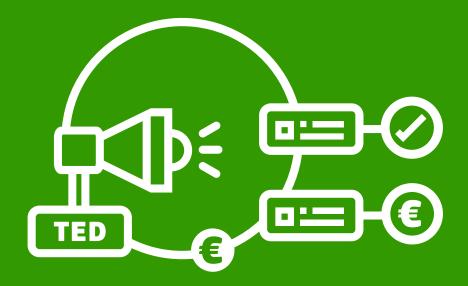
  - Online documentation updates.

- **Implementation of ESPD-EDM v3.3.0 by INTERPROC Consortium: UPRC-VORTAL-ARTIFIK-MERCELL**

BREAK

ESPD-EDM V4.0.0 - 2024
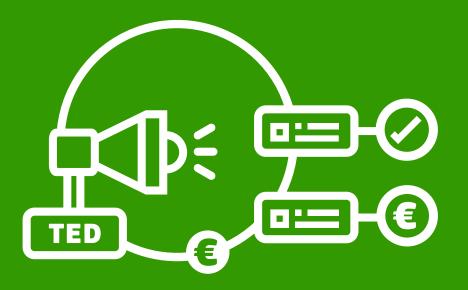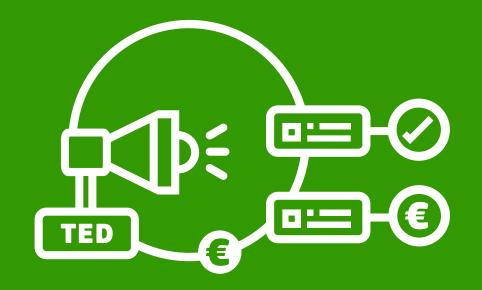
Pascaline Laure Tchienehom, NTTDATA

ESPD-EDM v4.0.0 - 2024

- **ESPD-EDM v4.0.0: 2 steps**
  - ✓ **candidate release(s)**
  - ✓ **major release** scheduled for **2024**.

- ESPD-EDM v4.0.0 working branch: https://github.com/OP-TED/ESPD-EDM/tree/v4.0.0-uuid

- ESPD-EDM v4.0.0 will provide updates covering mainly:

  - UUIDs replacement by XML Path Like IDs;
  - Different requirements for different lots;
  - Purely National Exclusion Grounds;
  - Evidence group misplacement;
  - Updates in the data structure;

  - Codelists gc and XML samples generation;
  - XSLT updates: Attributes, Validation errors;
  - Schematron rules and Validation updates;
  - Online documentation updates.

  NB: The final scope of the ESPD-EDM v4.0.0 needs formal approval from the Change Management Board

ESPD-EDM v4.0.0 - 2024
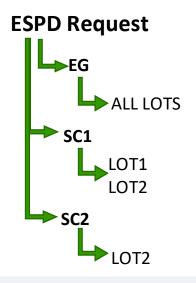
Item	Change	Related issues
Different requirements for different lots	• Correction of an issue so different requirements can be set for different lots within a selection criterion	N/A
Purely National Exclusion Grounds – Evidence group misplacement	• Creation of an xml file test that includes question subgroup with multiple cardinality "1..n" replicated twice, allowing to provide more than one Purely National Exclusion Ground criterion • Update the Data Structure	#334*
Update of the current UUID for repeatable subgroups	• Update excel criterion files and generation of xml samples files • XSLT updates: transformation from Excel to XML ESPD	#312
Corrections in code lists	• Revision of description texts to ensure consistency between eCertis and the Taxonomy • Correction of a duplicated code in the occupations codelist	#336, #339, #348
Validation rules	• Create validation rules for mandatory fields • Create validation rules for all ESPD code lists	N/A

* Tasks completed on ESPD side. Tasks on eCertis side pending.

ESPD-EDM v4.0.0 - 2024

Different requirements for different lots
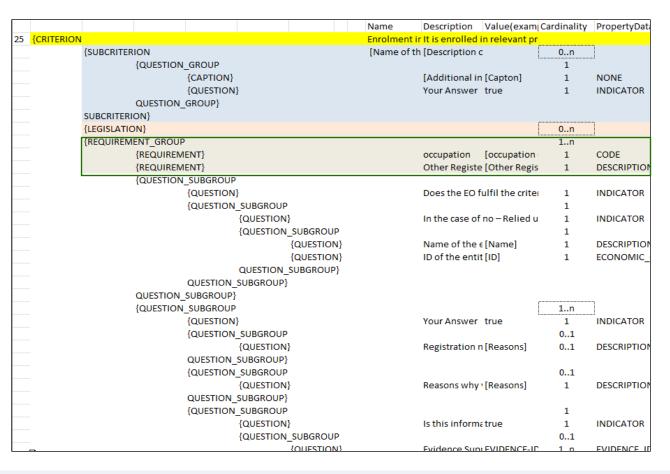
- The ESPD selection criteria include **requirements**, which are specific constraints from the Buyer for specific Lots within a procurement procedure.

- The last major release aligned the ESPD-EDM with eForms, from both the business and technical perspective.

ESPD Request

EG
→ ALL LOTS

SC1
→ LOT1
LOT2

SC2
→ LOT2

Issue:

- **Business view:** There are selection criteria that will need to implement different requirements for lots

- **Technical view:** The current technical implementation does not allow different requirement for lots.

ESPD-EDM v4.0.0 - 2024

Different requirements for different lots. AS-IS data structure view (v3.0.1)

- With this logic, a requirement within a selection criterion is unique

- Therefore, all lots that the criterion targets would have the same requirements

- There is no field / requirements within the requirement group to establish the Lot targeted

ESPD-EDM v4.0.0 - 2024

Different requirements for different lots. TO-BE data structure view

- Inclusion of Requirement Group with a **Requirement field to specify LOTS** where it applies

- Requirement field for lots is of multiple cardinality (1..n)

- Lots would be referenced two times: one at the beginning of the criteria, and second within a requirement

ESPD-EDM v4.0.0 - 2024

Purely National Exclusion Grounds ([#334](#)) - **Evidence Group misplacement**

- Update of the Data Structure aimed at a more natural (semantic) way of providing evidences;

- Update of the whole Criteria Excel file (not only for Purely National Exclusion Grounds).

- **Initial**   **Solution**

ESPD-EDM v4.0.0 - 2024

Replacement of UUIDs

- A universally unique identifier (UUID) is a **128-bit label used for information identification**.

- UUIDs are machine-oriented and not human readable.
  Example: a1534624-95cf-4519-bdaa-856d5acf59b6

- When generated according to the standard methods, **UUIDs are**, for practical purposes, **unique**.

- While the probability that a UUID will be duplicated is not zero, it is close enough to zero to be negligible.

ESPD-EDM v4.0.0 - 2024

Replacement of UUIDs

- In the ESPD, **2 types of UUID** are used:

  - **Fixed (or static) UUIDs**, for elements such as:

    o Criterion, SubCriterion;

    o Legislation;

    o Group or SubGroup (Question_Group, Question_SubGroup, Requirement_Group, Requirement_SubGroup).

  - **Dynamic UUIDs**, generated at the creation of an ESPD Request or and ESPD Response, for descriptive elements:

    o Question; Requirement; Caption.

ESPD-EDM v4.0.0 - 2024

Replacement of UUIDs

- **Problem statement**:
  - Multiple occurrences of questions in criteria need to be instantiated for each procurement procedure and this is preventing the re-usability.

- **Business requirements**:

- Ensure the connection for each criterion between ESPD Request and Response;
  - Ensure reusability of criteria both in the Request and the Response across procurement procedures;
  - Facilitate traceability and The Once-Only Principle (TOOP).

- **Solution - OUC agreement**:
  - Reduce the randomness on the ESPD by no longer using dynamic UUIDs and defining fixed identifiers for requirements and questions.

ESPD-EDM v4.0.0 - 2024

- The current UUID will be replaced by a **pre-defined short tag name for each element and a numbering** according to the position within the tree structure.

- The solution provides a **path to a target criterion element**.

- The new pattern focuses on the alignment of **tags, syntax readability and indexing** separation:

{Prefix+CriterionElementCode}/{InnerPath}/{TargetElement}/{Occurrence}

Request Samples

-C1_EG_crime-org/QG1/QSG1/Q1

-C32_SC_spec-year-to/RG1/RQ1/R1/R2

-C32_SC_spec-year-to/RG1/RSG1/RQ1/R2/R1

Response Samples

-C1_EG_crime-org/QG1/QSG1/Q1

-C1_EG_crime-org/QG1/QSG1/Q1/R2

-C32_SC_spec-year-to/RG1/QSG2/Q2/R2/R1

-C32_SC_spec-year-to/RG1/QSG2/Q2/R2/R1/RV (RV, RES, RAP)

ESPD-EDM v4.0.0 - 2024 - Short tag name, Criterion element, UBL element

Criterion Element Short Tag Name	Criterion Element	UBL Element
C	CRITERION (Exclusion GroundsEG, Selection Criterion SC)	cac:TenderingCriterion
ADL	ADDITIONAL_DESCRIPTION_LINE	cbc:Description
SBC	SUBCRITERION	cac:SubTenderingCriterion
L	LEGISLATION	cac:Legislation
CA	CAPTION	cac:TenderingCriterionProperty
Q	QUESTION	cac:TenderingCriterionProperty
RQ	REQUIREMENT	cac:TenderingCriterionProperty
QG	QUESTION_GROUP	cac:TenderingCriterionPropertyGroup
QSG	QUESTION_SUBGROUP	cac:SubsidiaryTenderingCriterionPropertyGroup
RG	REQUIREMENT_GROUP	cac:TenderingCriterionPropertyGroup
RSG	REQUIREMENT_SUBGROUP	cac:SubsidiaryTenderingCriterionPropertyGroup
R	RESPONSE (OCCURRENCE)	cac:TenderingCriterionResponse
RV	RESPONSE VALUE	cac:ResponseValue
RES	(RESPONSE) EVIDENCE SUPPLIED	cac:EvidenceSupplied
RAP	(RESPONSE) APPLICABLE PERIOD	cac:ApplicablePeriod

ESPD-EDM v4.0.0 - 2024 - C1_EG_crime-org

	A	B	C	D	E	F	G	H	Q	R	S	T	U	V	W
1	1	2	3	4	5	6	7	8	17	18	19		21	22	23
2										Name	Description		Buyer Value (example) Cardinality	PropertyDataType	XML PATH Like VARIANT ID Request
3	C1	{CRITERION								Participation in a criminal o	Has the economic operator itself or any person who is a				C1_EG_crime-org
4		SBC1	{SUBCRITERION							[Name of the National Crit	[Description of the National Criterion]		0..n		C1_EG_crime-org/SBC1
5			QG1	{QUESTION_GROUP									1		C1_EG_crime-org/SBC1/QG1
6				CA1	{CAPTION}						[Additional information; e.g. no evidences online]		1	NONE	C1_EG_crime-org/SBC1/QG1/CA1
7				Q1	{QUESTION}						Your Answer		1	INDICATOR	C1_EG_crime-org/SBC1/QG1/Q1
8				QUESTION_GROUP}											
9			SUBCRITERION}												
10		L1	{LEGISLATION}										0..n		C1_EG_crime-org/L1
11		QG1	{QUESTION_GROUP										1		C1_EG_crime-org/QG1
12			Q1	{QUESTION}							Your answer		1	INDICATOR	C1_EG_crime-org/QG1/Q1
13			QSG1	{QUESTION_SUBGROUP									0..n		C1_EG_crime-org/QG1/QSG1
14				Q1	{QUESTION}						Date of conviction		1	DATE	C1_EG_crime-org/QG1/QSG1/Q1
15				Q2	{QUESTION}						Reason		1	DESCRIPTION	C1_EG_crime-org/QG1/QSG1/Q2
16				Q3	{QUESTION}						Who has been convicted		1	DESCRIPTION	C1_EG_crime-org/QG1/QSG1/Q3
17				Q4	{QUESTION}						Length of the period of exclusion		1	PERIOD	C1_EG_crime-org/QG1/QSG1/Q4
18				QSG1	{QUESTION_SUBGROUP								1		C1_EG_crime-org/QG1/QSG1/QSG1
19					Q1	{QUESTION}					Have you taken measures to demonstrate your reliability		1	INDICATOR	C1_EG_crime-org/QG1/QSG1/QSG1/Q1
20					QSG1	{QUESTION_SUBGROUP							0..1		C1_EG_crime-org/QG1/QSG1/QSG1/QSG1
21						Q1	{QUESTION}				Please describe them		1	DESCRIPTION	C1_EG_crime-org/QG1/QSG1/QSG1/QSG1/Q1
22						QUESTION_SUBGROUP}									
23					QUESTION_SUBGROUP}										
24				QSG2	{QUESTION_SUBGROUP								1		C1_EG_crime-org/QG1/QSG1/QSG2
25					Q1	{QUESTION}					Is this information available electronically?		1	INDICATOR	C1_EG_crime-org/QG1/QSG1/QSG2/Q1

EG-Convictions | EG-Contributions | EG-Environ-Social-Labour_Law | EG-Business | EG-Misconduct | EG-Conflict_c ... ⊕

	A	B	C	D	E	F	G	H	M	N	O	P	Q	R	S	T	U	V	W
1	1	2	3	4	5	6	7	8	13	14	15	16	17	18	19	20	21	22	23
2														Name	Description	Buyer Value (exam	Cardinality	PropertyDat	XML PATH Like VARIANT ID Request
3	C25	{CRITERION													Enrolment in It is enrolled in relevant professional				C25_SC_prof-regist
4		SBC1	{SUBCRITERION												[Name of th [Description of the National Criterion		0..n		C25_SC_prof-regist/SBC1
5			QG1	{QUESTION_GROUP													1		C25_SC_prof-regist/SBC1/QG1
6				CA1	{CAPTION}										[Additional information; e.g. no evide		1	NONE	C25_SC_prof-regist/SBC1/QG1/CA1
7				Q1	{QUESTION}										Your Answer		1	INDICATOR	C25_SC_prof-regist/SBC1/QG1/Q1
8				QUESTION_GROUP}															
9			SUBCRITERION}																
10		L1	{LEGISLATION}														0..n		C25_SC_prof-regist/L1
11		RG1	{REQUIREMENT_GROUP												Requirement Gr		1..n (1)		C25_SC_prof-regist/RG1
12			RQ1	{REQUIREMENT}											LOT Identifier	LOT-0000	1..n (1)		C25_SC_prof-regist/RG1/RQ1/R1/R1
13			RQ1	{REQUIREMENT}											LOT Identifier	LOT-0001	1..n (2)		C25_SC_prof-regist/RG1/RQ1/R1/R2
14			RSG1	{REQUIREMENT_SUBGROUP													1..n (1)		C25_SC_prof-regist/RG1/RSG1
15				RQ1	{REQUIREMENT}										occupation	[occupation Code]	1	CODE	C25_SC_prof-regist/RG1/RSG1/RQ1/R1/R1/R1
16				QSG1	{QUESTION_SUBGROUP												1		C25_SC_prof-regist/RG1/RSG1/QSG1
17					Q1	{QUESTION}									Does the EO fulfil the criteria by itself		1	INDICATOR	C25_SC_prof-regist/RG1/RSG1/QSG1/Q1
18					QSG1	{QUESTION_SUBGROUP											1		C25_SC_prof-regist/RG1/RSG1/QSG1/QSG1
19						Q1	{QUESTION}								In the case of no – Relied upon or not		1	INDICATOR	C25_SC_prof-regist/RG1/RSG1/QSG1/QSG1/Q1
20						QSG1	{QUESTION_SUBGROUP										1		C25_SC_prof-regist/RG1/RSG1/QSG1/QSG1/QSG1
21							Q1	{QUESTION}							Name of the entity		1	DESCRIPTIO	C25_SC_prof-regist/RG1/RSG1/QSG1/QSG1/QSG1/Q1
22							Q2	{QUESTION}							ID of the entity		1	ECONOMIC_	C25_SC_prof-regist/RG1/RSG1/QSG1/QSG1/QSG1/Q2
23							QUESTION_SUBGROUP}												
24							QUESTION_SUBGROUP}												

... | EG-Purely_national | **SC-Suitability-I** | SC-Suitability-II | SC-General_Yearly_Turnover | SC-General_Average_Turnov ... ⊕

ESPD-EDM v4.0.0 - 2024 - VBA Scripts, XSLT updates

- Navigating and writing tags and paths **column by column**: indentation issue

- Navigating and writing tags and paths **line by line**: based on opening and closing of elements and also the sequential navigation in the tree structure

- **First in the Request** :
  - Creating template for the Request
  - Writing tags with the right number related to the position of the element in the tree structure
  - Writing paths for describing the structural part of each element
  - Complementing structural paths with occurrence semantics pattern ("Rn") for Requirements

- **Second in the Response**:
  - Creating template for the Response
  - Copy of the Request. Same steps as the one in the Request.
  - Complementing structural paths with occurrence semantics pattern "Rn" for Questions + RV/RES

- **Resulting criterion files** : https://github.com/OP-TED/ESPD-EDM/tree/v4.0.0-uuid/criterion
- **Remaining : XSLT updates** to generate the new XML Request and Response.

ESPD-EDM v4.0.0 - 2024

Implications of the solution

- **UUIDs are replaced by an XML Path-like ID pattern**;

- **Structure changes**: new tag element (QG1, QSG1, QSG2, Q1, Q2, RG1, RSG1, RSG2, RQ1, RQ2, R1, R2) for each element or element group;

- **New algorithm** to automatically compute the tag and the path to each element (question/requirement) in the structure and contents of the ESPD Request and its related ESPD Responses;

- **Files update** (Criterion Excel, XSLT and XML);

- **Online documentation update**.

ESPD-EDM v4.0.0 - 2024
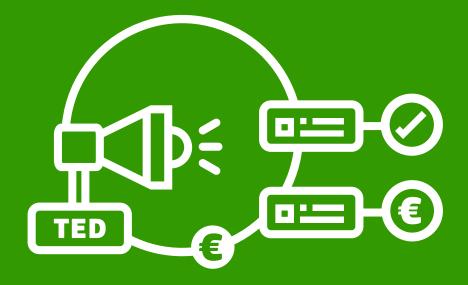
Benefits of the solution

- The **link between an ESPD Request and its related ESPD Responses** (one or several) is **consistent**;

- **Same structures** use the **same pattern**;

- There is **no ambiguity** when addressing structures represented by the same pattern;

- The same **data structure can be reused**;

- ESPD Responses can be **easily read and mapped**;

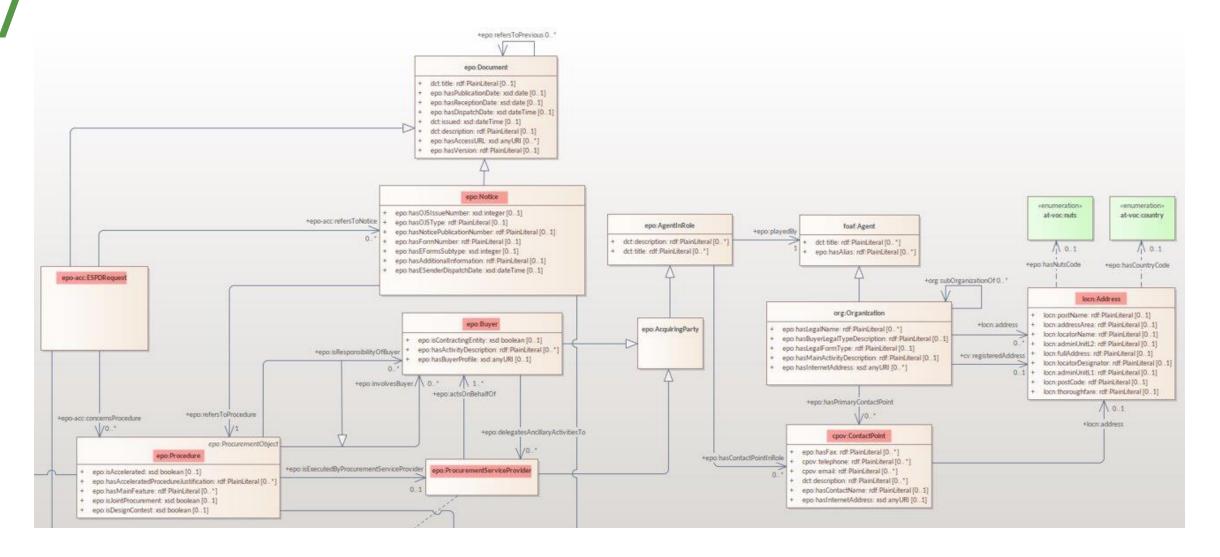- **Content of the ESPD can be easily reused**, except in those cases where requirements are not compatible.

ePROCUREMENT ONTOLOGY
eACCESS – ESPD REQUEST
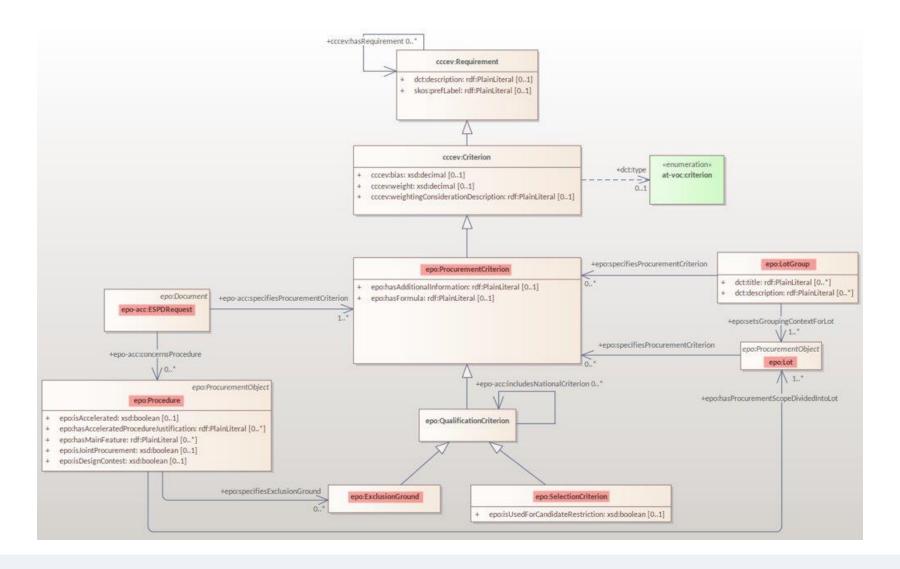
Andreea Pasăre, Meaningfy

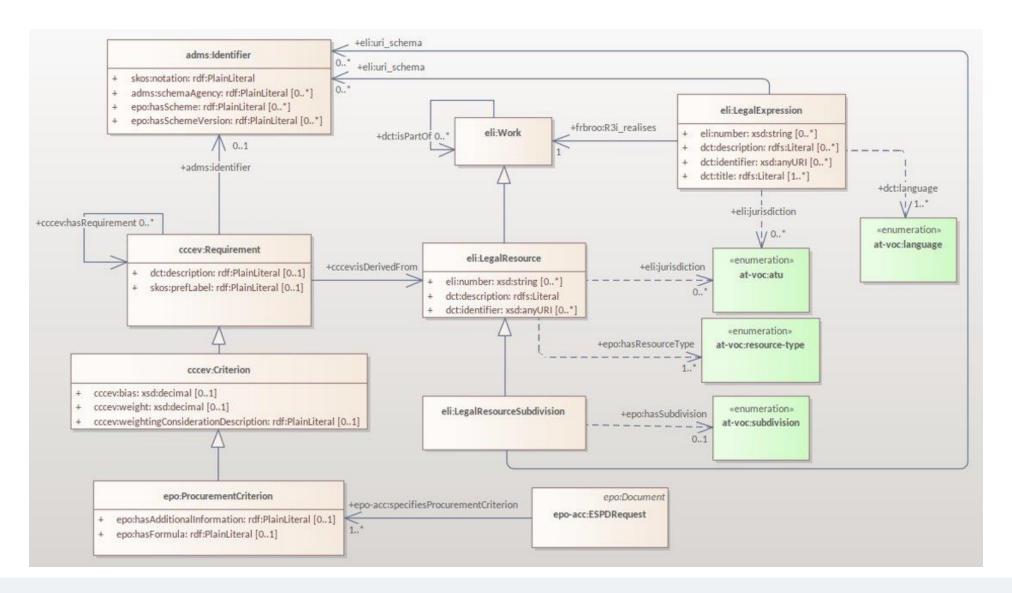Publications Office
of the European Union

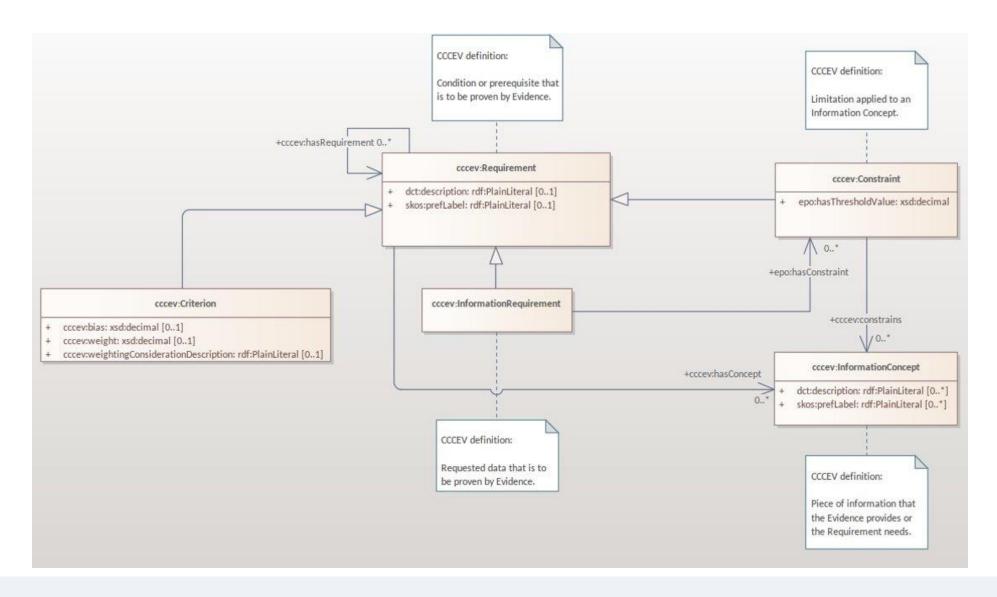# eAccess – ESPD Request within eProcurement Ontology

eAccess – ESPD Request within eProcurement Ontology

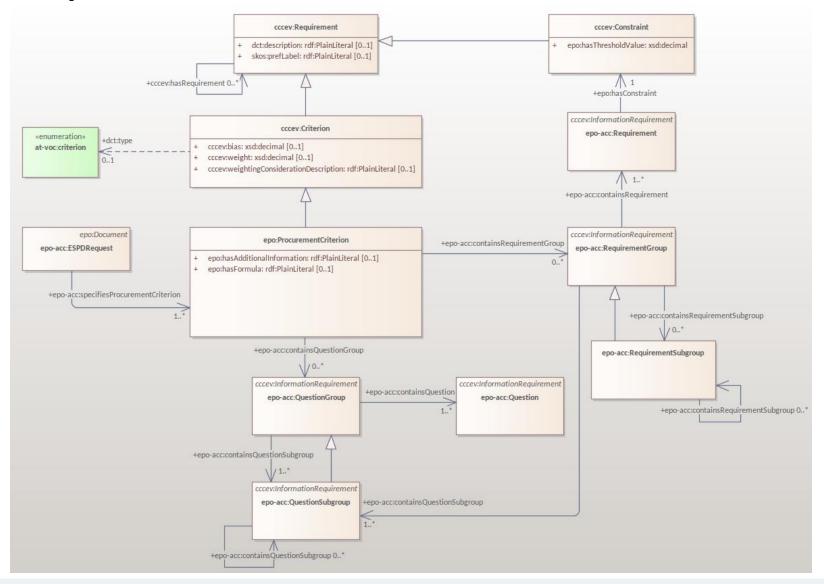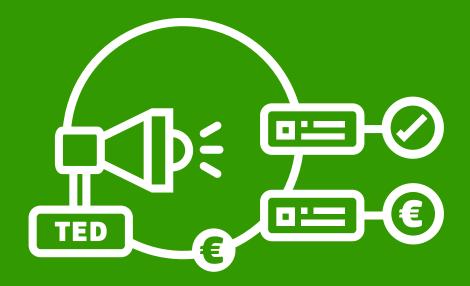# eAccess – Legislation (ELI)

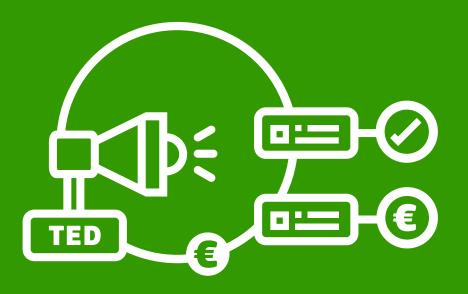# eAccess – CCCEV alignment

eAccess – Requirements and Questions

Q&A / AOB

THANK YOU FOR YOUR PRESENCE

Please feel free to send also your questions to

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