eForms implementation

Part II : eForms – UBL schema

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Agenda

1. Available schemas

2. Customization approach

3. Information organization

4. Extensions

5. Gaps with regulation

6. Conclusion

1. Available schemas
UBL & non-UBL document types

UBL conforming:

- Prior Information Notice
- Contract Notice
- Contract Award Notice

for Regulation annex forms, extended forms (E1 to E5), atypical forms (CEI, T01 & T02)

UBL Compatible:

- Society Registration Information Notice

for small forms (X01, X02)

2. Customization approach
Conformance over Compatibility
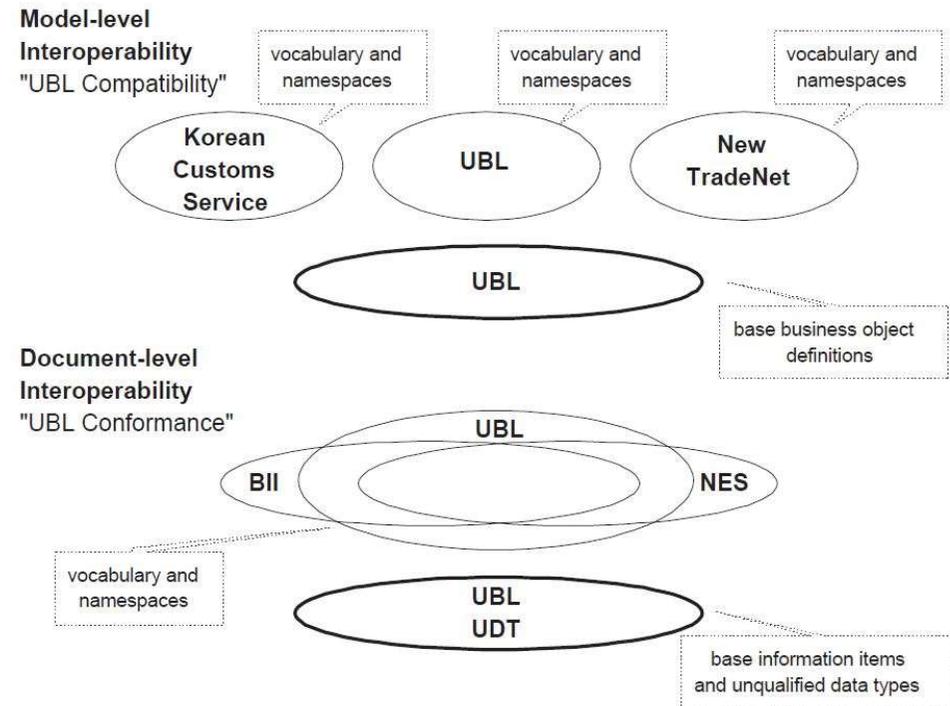
- **Compatibility:**

  "new items & messages based on UBL library"

- **Conformance:**

  "ability to interchange UBL messages" (shared vocabularies & namespaces)

- **As conformant as possible:**

  - ➢ Use existing elements in their context as much as possible

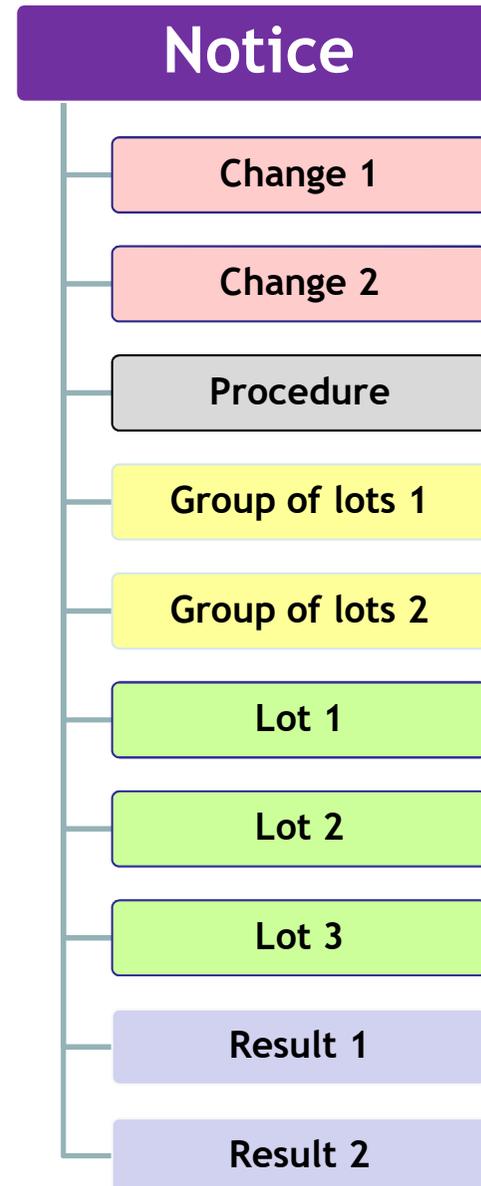 - ➢ Define as few extensions as possible

Practical UBL Deployment, 3rd ed., *Crane Softwrights Ltd*, Feb. 12th, 2009, ISBN 978-1-894049-23-8, p. 180.

3. Information organization
Key components

a) Change

b) Procedure

c) Part / Lot / Group of lots

d) Result

Notice

- Change 1
- Change 2
- Procedure
- Group of lots 1
- Group of lots 2
- Lot 1
- Lot 2
- Lot 3
- Result 1
- Result 2

3. Information organization
a) Change

Change

Changed Notice
- Identification of the changed notice

Procurement Documents
- Changed & when.

Changed Element
- What has changed (added, deleted, replaced)

Change Reason
- Background reason.

■ At beginning of the notice,

■ What has changed, and

■ Why.

■ <u>On following slides:</u>

listed elements are purely indicative. Their existence varies depending on notice type.

Procedure

Miscellaneous

- Dispatch Date; Publication preferred date; Legal Basis; Form & Notice Type; Notice languages; Buyers

Tendering Terms

- Cross Border Law; Other Legal Basis; Exclusion Grounds; Lots distribution

Tendering Process

- procedure features; procedure type; all lots; procedure accelerated

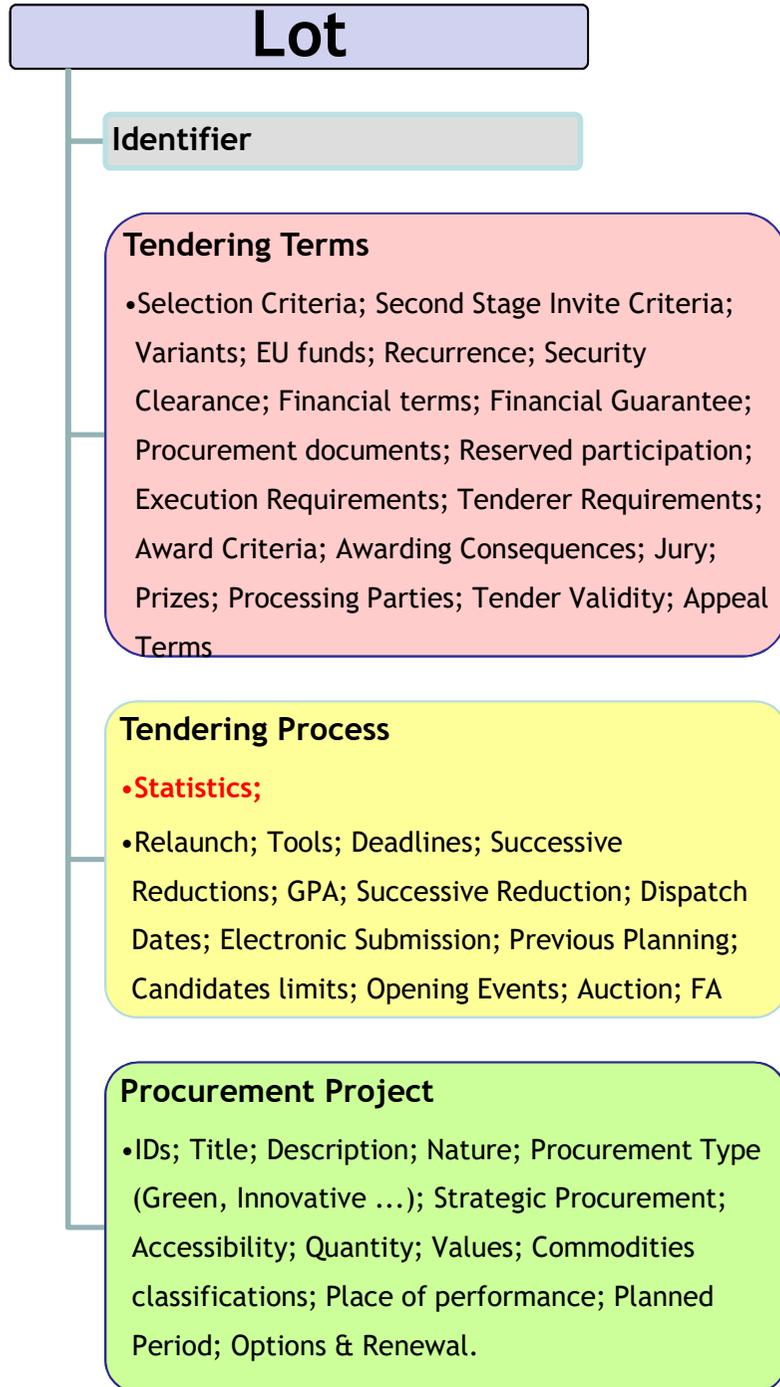**Procurement Project**

- IDs; Title; Description; Nature; Notice values; Commodities classifications; Place of performance.

■ **Miscellaneous:**

general notice/procedure information

■ **Tendering Terms:**

General Terms & Conditions for the procedure

■ **Tendering Process:**

Process for the procedure

■ **Procurement Project:**

Description of the overall project covered by the procedure

Lot

Identifier

Tendering Terms

- Selection Criteria; Second Stage Invite Criteria; Variants; EU funds; Recurrence; Security Clearance; Financial terms; Financial Guarantee; Procurement documents; Reserved participation; Execution Requirements; Tenderer Requirements; Award Criteria; Awarding Consequences; Jury; Prizes; Processing Parties; Tender Validity; Appeal Terms

Tendering Process

- **Statistics;**
- Relaunch; Tools; Deadlines; Successive Reductions; GPA; Successive Reduction; Dispatch Dates; Electronic Submission; Previous Planning; Candidates limits; Opening Events; Auction; FA

Procurement Project

- IDs; Title; Description; Nature; Procurement Type (Green, Innovative ...); Strategic Procurement; Accessibility; Quantity; Values; Commodities classifications; Place of performance; Planned Period; Options & Renewal.
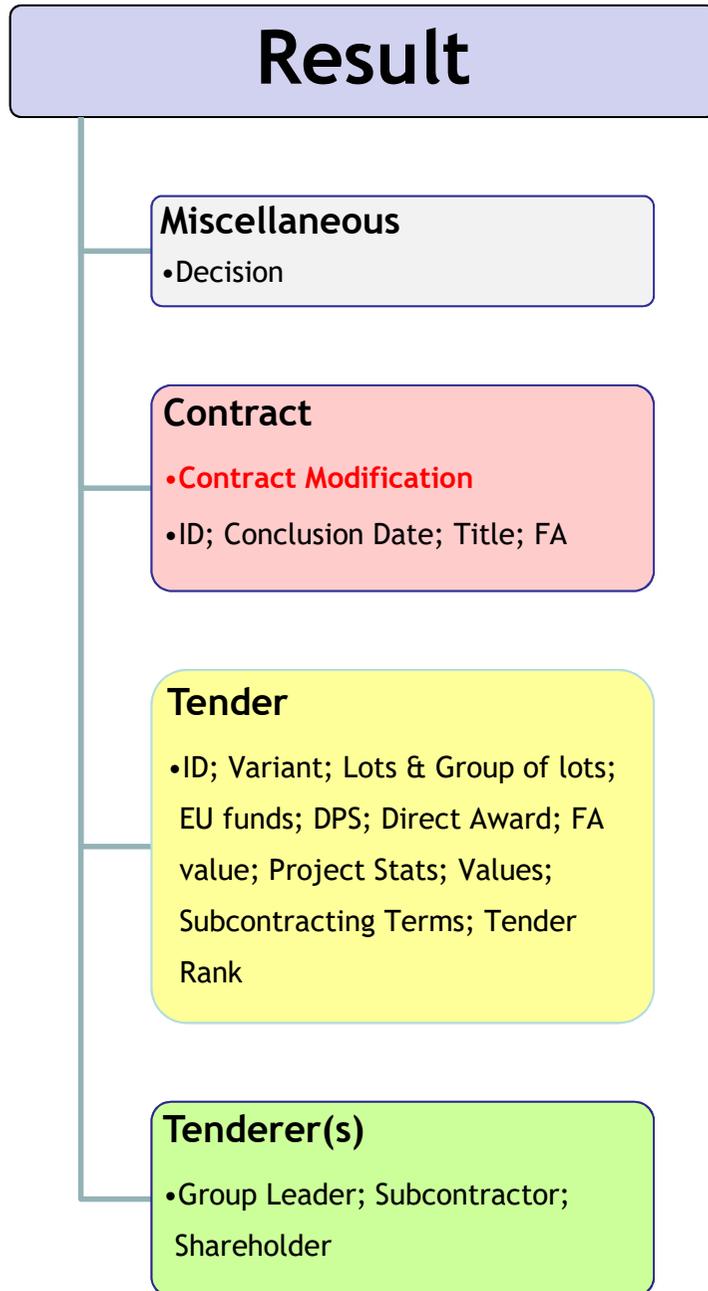
3. Information organization
c) Part / Lot / Group of lots

■ Indicative *(details will follow)*,

■ Standards driven,

■ Elements for the lot:

- ▪ Tendering terms & conditions,

- ▪ The process,

- ▪ The scope.

Result

Miscellaneous

•Decision

Contract

•**Contract Modification**

•ID; Conclusion Date; Title; FA

Tender

•ID; Variant; Lots & Group of lots; EU funds; DPS; Direct Award; FA value; Project Stats; Values; Subcontracting Terms; Tender Rank

Tenderer(s)

•Group Leader; Subcontractor; Shareholder

3. Information organization
d) Result

■ Made decision,

■ Contract associated to the tender,
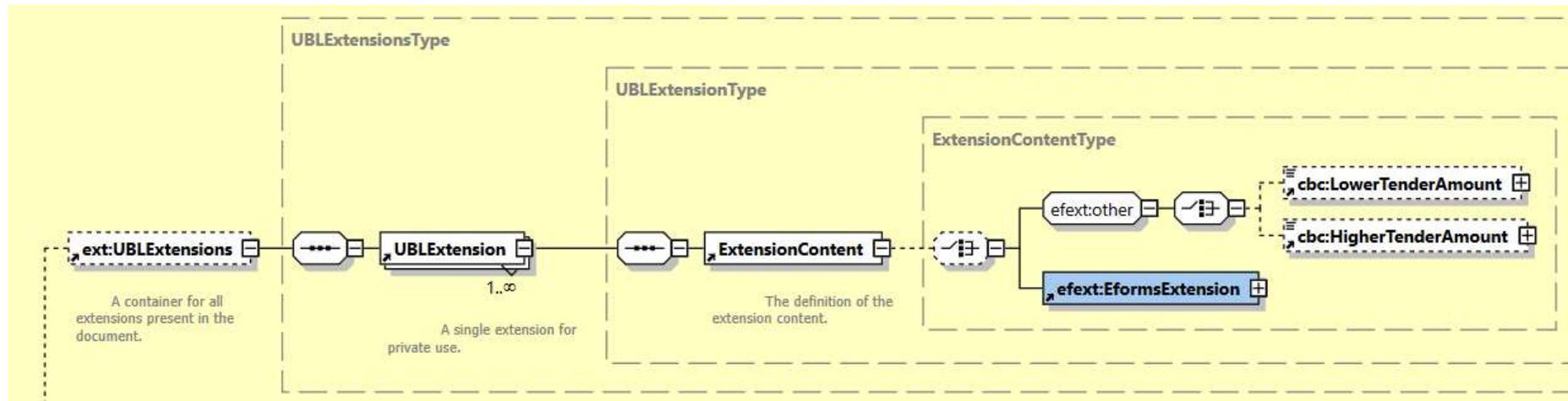
■ Tender,

■ Tenderer(s)

4. Extensions

a) Extensions definition

b) Definition for eForms

c) Required extensions

4. Extensions
a) Extensions definitions

4. Extensions
b) Definition for eForms

- Defined **when no suitable element available** in a given context

- Use of **elements from the common library** privileged

- Definition of **new aggregate elements with use of existing elements** from the library as much as possible

- **Reuse and** possible **evolutions** kept **in mind**

4. Extensions
c) Required extensions

Component	Purpose
efbc:AccessToolName	Tool Name (BT-632)
efbc:DpsTerminationIndicator	DPS Termination (BT-119)
efbc:ProcedureRelaunchIndicator	Procurement Relaunch (BT-634)
efac:AnswerReceptionPeriod	Deadline Receipt Answers (BT-800)
efac:AppealRequestsStatistics	Buyer Review Summary (BG-612) & Requests (BG-613)
efac:AppealsInformation	Container for all Reviews (BG-714)
efac:AwardCriterionStatistics	Award Criterion Number (BG-541)
efac:BuyingPartyReference	Reference to Buyer using ID
efac:Change	Change (BG-9)
efac:ContractAggregatedAmounts	Container for BT-779, 780, 782.

Component	Purpose
efac:ContractModification	Modification (BG-77)
efac:DurationJustification	T02 §II.4
efac:FieldsPrivacy	Not Immediately Published (BG-8)
efac:InterestExpressionReceptionPeriod	CEI §IV.2.2.
efac:Publication	Publication information (OJEU No ...)
efac:ReceivedSubmissionsStatistics	Container for BT-759, 760.
efac:SelectionCriteria	Selection Criteria (BG-702)
efac:StrategicProjectsStatistics	For strategic projects stats (BT-715, 716, 725)
efac:SubsidiaryClassification	Subsidiary classification (e.g. supplementary CPV)
efac:TenderSubcontractingRequirements	Subcontracting Tender Indication (BT-651)

5. Gaps with the Regulation annex
Existing gaps in …

a) <u>Naming,</u>

b) <u>DataType,</u>

c) <u>Fields:</u>

  - *Added*

  - *Dropped*

5. Gaps with the Regulation annex
a) Gaps in naming

■ **Requires a shift in mindset**

▪ **Wording:**

- **Organisation = Party** (e.g. consider the natural person John Doe, providing services),

- **Review = Appeal**

- **etc**

▪ **Multiple elements**

with preferential order of use (Street => 1. StreetName, 2. AdditionalStreetName, 3. AddressLine)

5. Gaps with the Regulation annex
b) Gaps in DataType

■ **Implicit requirements** *(e.g. deadline: Date => Date + Time + TZ)*

■ **Existing suitable elements having a different datatype**
  (*code vs Indicator*)

■ **Trade-offs:**

▪ Ability to cover the needs

▪ Opportunity for later evolution (e.g. Required level for Security
  Clearance could be later used instead of just Yes / No; a 3rd value "Not yet
  known" could easily be introduced without requiring a schema change; …)

▪ Keep the highest possible UBL conformance rate

Lot

Identifier

Tendering Terms

• Selection Criteria; Second Stage Invite Criteria; Variants; EU funds; Recurrence; Security Clearance; Financial terms; Financial Guarantee; Procurement documents; Reserved participation; Execution Requirements; Tenderer Requirements; Award Criteria; Awarding Consequences; Jury; Prizes; Processing Parties; Tender Validity; Appeal Terms

Tendering Process

• **Statistics;**

• Relaunch; Tools; Deadlines; Successive Reductions; GPA; Successive Reduction; Dispatch Dates; Electronic Submission; Previous Planning; Candidates limits; Opening Events; Auction; FA

Procurement Project

• IDs; Title; Description; Nature; Procurement Type (Green, Innovative ...); Strategic Procurement; Accessibility; Quantity; Values; Commodities classifications; Place of performance; Planned Period; Options & Renewal.

5. Gaps with the Regulation annex
c) Added / dropped fields

- Elements mandated by UBL *(e.g. cbc:ID for LegislationDocumentReference, opportunity to introduce identifiers like ELI)*

- Elements implicitly covered by the UBL construct *(e.g. XYZ Lot ID)*

```
<cac:ProcurementProjectLot>
    <cbc:ID schemeName="Lot">LOT-0001</cbc:ID>
    <cac:TenderingTerms>
        <!-- interrupted Mark-Up -->
    </cac:TenderingTerms>
    <cac:TenderingProcess>
        <!-- interrupted Mark-Up -->
    </cac:TenderingProcess>
    <cac:ProcurementProject>
        <!-- interrupted Mark-Up -->
    </cac:ProcurementProject>
</cac:ProcurementProjectLot>
```

6. Conclusion

- Schemas are standards based

- Standards have their own approach and extensions were necessary

- Products
  - 3 highly conformant schemas to cover 48 forms
  - 1 compatible schema for 2 forms

- Next
  - Updated mapping (XPATH for each BT)
  - Updated schema documentation

- <u>Questions:</u>
  - to TED-EVENTS@publications.europa.eu, specifying the subject "Questions for eSenders seminar - eForms Implementation - Part II : eForms – UBL schema".

Thank you