OPEN ICT STANDARDS FOR PUBLIC PROCUREMENT: Fostering Interoperability – 13 November 2015

The EU catalogue

Benoit Abeloos – DG CNECT

Rodolphe Wouters – DG GROW

Agenda

What problem do we want to solve?

What are the needs?

What exists today?

What would be in the EU catalogue?

What standards adoption process?

What governance, stakeholders?

Policy options

What are the next steps?

What problems do we want to solve?

- *ICT is a complex, technical area*
- *Public procurers know about policies or use cases to implement, not always about sometimes competing ICT standards*
- *Risk of vendor lock-in with proprietary solutions*
- *Lack of interoperability of ICT solutions*
- *Lack of coordination on ICT standards adoption*
- *National catalogues are developed independently*
- *Fragmented EU market*
- *Industry lacks visibility on which standards to adopt*

Fragmented DSM market
Lack of interoperability

What are the needs?

- *Guidelines and tools, at EU level, helping public procurers to specify the right ICT Standards addressing their use cases or policies*

- *Convergent adoption of ICT Standards at EU level ensuring*
  - **Interoperability of digital services**
  - **Defragmented digital single market**
  - **Visibility for EU industry of standards to adopt**

- *Global standards adoption process at EU level*
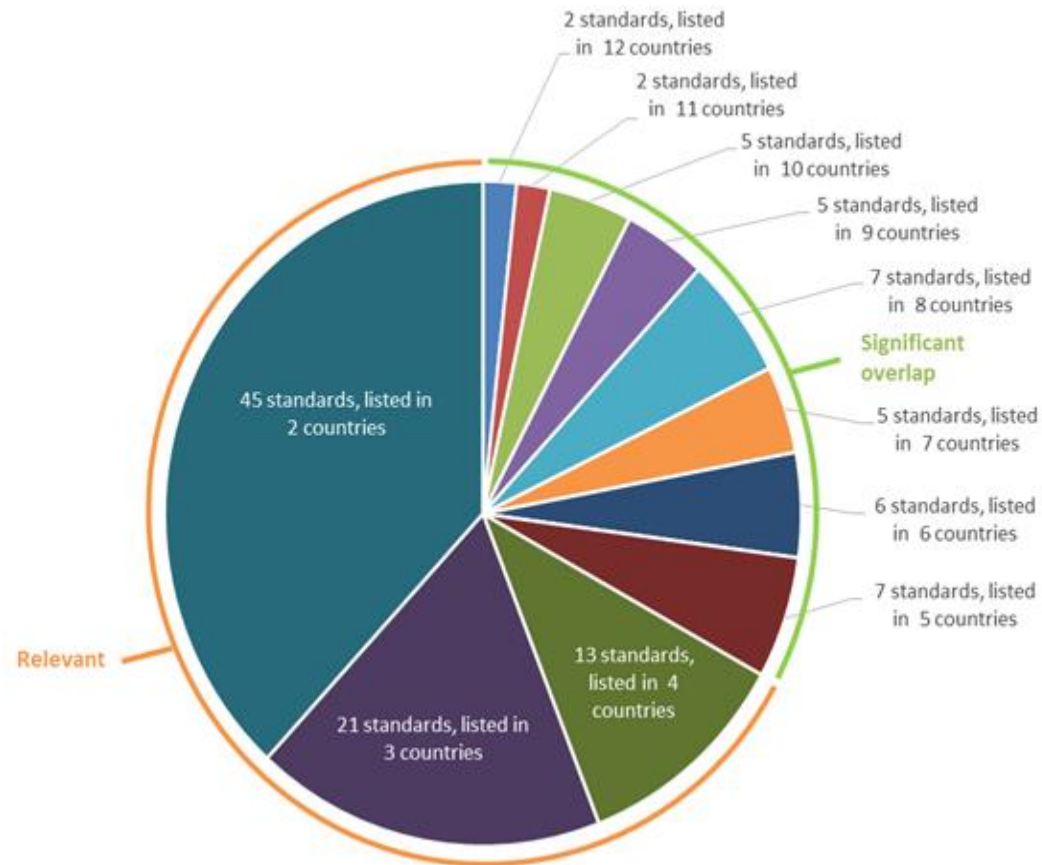
What exists today?

National Catalogues

Some Member states have defined an interoperability strategy which identifies compulsory and recommended TS for public administrations.

The assessment used and recommended standards in MS has been achieved through CAMSS

https://joinup.ec.europa.eu/community/camss/og_page/list-standards

Number of standards listed in countries

2 standards, listed in 12 countries

2 standards, listed in 11 countries

5 standards, listed in 10 countries

5 standards, listed in 9 countries

7 standards, listed in 8 countries

Significant overlap

5 standards, listed in 7 countries

6 standards, listed in 6 countries

7 standards, listed in 5 countries

13 standards, listed in 4 countries

21 standards, listed in 3 countries

45 standards, listed in 2 countries

Relevant

Conclusion: Much room for sharing & reuse.

What would be in the EU catalogue?

- *A reference list- of*
  - **EU and International standards**
  - **Identified technical specifications and profiles**
  - **Guidelines**
- *In which sectors?*
  - **Sectors selected for their maturity**
  - **For example: eGov, Smart Cities, eHealth, eJustice,...**

What standards adoption process?

- *Existing standards such as ISO DTR 28380-1*
- *Or methodologies like CAMSS*
- *Terminology:*
  - **Use cases, services**
  - **Base standards**
  - **Profiles of base standards**
- *What level of use case are we looking at?*
- *Innovation friendly – avoid market lock-in*
- *Examples:*
  - **eHealth: retrieve patient summary, deliver ePrescription**
  - **eDelivery: secure exchange of documents**
  - **Retrieve criminal record information**
- *Starting from national catalogues*
  - **Low hanging fruits**
  - **No redundancies**

Business Level: Chronic Disease Management

- ***Communication Service:*** *Patient Identification Service*
  - **Profile:** Patient Id Cross-referencing (PIX)
    - **Standard:** HL7 V2.5
  - **Profile:** Patient Demographics Query (PDQ)
    - **Standard:** HL7 V3
- ***Communication Service:*** *Secured Node and Infrastructure*
  - **Profile:** Audit Trail and Node Authentication
    - **Standard:** DICOM- HL7-ASTM-IETF-RFC 3881
  - **Profile: Consistent Time (CT)**
    - **Standard:** IETF-NTP
- ***Communication Service:*** *Care Summary Sharing*
  - **Profile:** Cross-Enterprise Document Sharing (XDS)
    - **Standard:** ISO 15000, OASIS
    - **Standard:** CEN 13606
    - **Standard:** HL7 V2.5, HL7 CDA
  - **Profile:** Medical Summary (XDS-MS)
    - **Standard:** HL7 CDA
    - **Standard:** HL7-ASTM CCD
    - **Standard:** SNOMED
- ***Communication Service:*** *Lab Order/Results*
  - **Profile:** Lab Scheduled Workflow
    - **Standard:** HL7 V2.5
    - **Standard:** LOINC

What governance, which stakeholders?

- *Multi-stakeholders, with MS in prime line*
- *Multi-stakeholders platform (MSP) for identifications, prioritization, link to rolling plan*
- *ISA platform for the link to EIF and national catalogues*
- *Public procurement experts group (EXEP)*
- *CIO networks and organisations*
- *Notification system for new TS in EU or national catalogue*

Policy options for adoption

- *Different models*
    - **Purely voluntary**
    - **Voluntary with regular monitoring**
    - **Recommendation**
    - **Comply or explain policy**
    - **Legal basis for the catalogue**
- *Will be subject to an impact assessment*

Next steps

- *Launch a study to*
  - **Analyse national catalogues or adoption strategies**
  - **Define an EU standards adoption process**
  - **Organise workshops and survey key stakeholders**
  - **Build a first prototype**
- *Assess the impact of the EU catalogue*
  - **What policy options?**
  - **What socio economic benefits?**
    - Lower costs for MS
    - Lower total cost of ownership of ICT solutions
    - Increased interoperability

Questions?

How does it relate to EIF, EIRA...?