ASSESSMENT SUMMARY

eDelivery SMP - 1.10 (Electronic Service Delivery)

European Telecommunications Standards Institute (ETSI)

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1. INTRODUCTION

The present document is a summary of the assessment of eDelivery SMP - 1.10, carried out by the CAMSS Team using the CAMSS EIF assessment scenario. The purpose of this scenario is assessing the compliance of a standard or specification with the European Interoperability Framework (EIF)[1].

2. ASSESSMENT SUMMARY

Electronic Service Delivery Service Metadata Publisher - 1.10, herby **eDelivery**, provides a set of implementation guidelines for the OASIS SMP specification. It is designed to be used in eDelivery with the Dynamic Sender Profile Enhancement in the eDelivery AS4 Profile, the eDelivery BDXL profile and the eDelivery ebCore Party Id profile. Its main function is to exchange electronic data and documents between one and other in a reliable way.

The CEF eDelivery Building Block helps users to exchange electronic data and documents with one another in a reliable and trusted way. The specification is based on a system of data exchange and not access points. This points have the same technical specifications and are able to communicate between each other.

2.1. Interoperability principles

Interoperability principles are fundamental behavioural aspects that drive interoperability actions. They are relevant to the process of establishing interoperable European public services. They describe the context in which European public services are designed and implemented.

The specification fully supports the principles setting context for EU actions on interoperability:

- **Subsidiarity and proportionality**
  eDelivery SMP 1.10 is not included in the catalogue of recommended standards from the Member States with their National Interoperability Framework fully aligned with the EIF.

The specification fully supports the principles setting context for EU actions on interoperability:

- **Openness**
  The development of the specifications included in the eDelivery building block performance are raised up by CEF eDelivery Team. Moreover, the specification SMP 1.10 is available for everyone to study and implement for free. eDelivery SMP has diverse implications in terms of Intellectual Property Rights, licensed on a (F)RAND basis. It is demonstrated that eDelivery SMP 1.10 is mature enough to be used in the creation of products and solutions.

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[1] https://ec.europa.eu/isa2/eif_en

Despite the openness provided by eDelivery Governance Space, the specification depends on the original specification to align technical requirements and conformance. In addition, the purpose of the specification is not related to the publication of data as Open Data.

- **Transparency**
  The specification is a key enabler for the metadata exchange. It is part of the eDelivery Building Block defined by CEF, which aims to foster data exchange and reuse across borders enhancing the interoperability in Europe. Moreover, eDelivery SMP 1.10 helps in the decision-making process by allowing data exchange between administrations. A conformant implementation of the eDelivery fosters the availability of interfaces with internal information systems.

- **Reusability**
  eDelivery SMP 1.10 is an open specification based on the OASIS's standard SMP 1.0. As SMP is an agnostic standard, eDelivery SMP 1.10 inherits this property. The specification is available for free at CEF's website, which is an open resource for the European development.

- **Technological neutrality and data portability**

  eDelivery, is independent of any other specific vendor product and it is supported by open and commercial solutions. As part of the stack of the eDelivery Building Block, eDelivery SMP 1.10 allows enabling users to grow according to administrations or businesses' needs. The implementation of the specification fosters interoperability between administrations across borders, it is included in the eDelivery building block.

The Technical Specification partially supports the principles related to generic user needs and expectations:

- **User-centricity**
  eDelivery SMP 1.10 fosters the implementation of the Once-Only Principle by allowing public administrations to share and reuse their information across borders.

- **Inclusion and accessibility**
  The purpose of the specification is not related to e-accessibility. Therefore, e-Delivery SMP 1.10 is not easing the e-accessibility.

- **Security and privacy**
  The specification is included in eDelivery Service provided by CEF, which has the aim of providing a secure infrastructure and services for data exchanging. Additionally, eDelivery SMP 1.10 is based on the OASIS's SMP 1.0 standard, which provides security features involving X509 encryption. Therefore, eDelivery SMP 1.10 eases the secure and trustworthy data exchange between different parties involved.

- **Multilingualism**

The purpose of the specification is not related to multilingualism. Therefore, XSLT does not foster the delivery of multilingual European Public Services.

The Technical Specification partially supports the foundation principles for cooperation among public administrations:

- **Administrative Simplification**

  The implementation of the specification along with the eDelivery Building Block stack, is a key enabler for data exchange, which allows administrations to reduce administrative burdens.

- **Preservation of information**
  The purpose of the specification is not related to the long-term preservation of electronic records. Therefore, e-Delivery SMP 1.10 is not fostering the long-term preservation of electronic resources.

- **Assessment of effectiveness and efficiency**
  No evidences have been found of existing assessments regarding effectiveness or efficiency of the specification that allow to answer positively to this criterion.

2.2. Interoperability layers

The interoperability model which is applicable to all digital public services includes:
- Four layers of interoperability: legal, organisational, semantic and technical;
- A cross-cutting component of the four layers, 'integrated public service governance';
- A background layer, 'interoperability governance'.

The Technical Specification supports the implementation of digital public services complying with the EIF interoperability model:

- **Interoperability governance**
  eDelivery SMP 1.10 is already associated with EIRA ABBs in the European Library of Specifications (ELIS). This tool include eDelivery SMP 1.10 as it can be read in the CEF eDelivery Conformance Testing Document Service. The specification is part of the eDelivery Building Block (BB), which is provided by CEF and aims to help public administrations to share electronic data across borders in a reliable way.

  However, eDelivery is not recommended by any Member State within their national catalogues for ICT and not included in any official supra-national catalogue.

- **Integrated public service governance & Legal interoperability**

No evidence has been found regarding the existence of a formal agreement between European public services providers involving the implementation of eDelivery SMP 1.10. However, the specification appears included within the eDelivery stack in the EU eGovernment Action Plan 2016-2020.

- **Organisational and Legal interoperability**

    There is no assessment regarding the compliance of the specification with European Standardisation Regulation 1025/2012. Moreover, eDelivery is used for business modelling processes and does not define organisational interoperability aspects.

- **Semantic interoperability**

    The specification is maintained and developed by the CEF eDelivery Team and it is available for free. Nevertheless, eDelivery SMP 1.10 does not define a cross-sector reusable data model. Moreover, the purpose of the specification is not related to the publication of data as Linked Open Data.

- **Technical interoperability**

    eDelivery is an open specification developed by ETSI and is broadly adopted in the context of the European Internal Market for signed data interchange.

3. ASSESSMENT RESULTS

Category	Automated Score	CAMSS Strength	Favourable	Unfavourable	Not Applicable
Principle setting the context for EU actions on interoperability	0%	100%	0	1	0
Core Interoperability principles	93%	94%	14	1	1
Principles related to generic user needs and expectations	100%	50%	2	0	2

Foundation principles for cooperation among public administrations	50%	67%	1	1	1
Interoperability layers	61%	82%	4*	7	4
Overall Score	**70%**	**81%**	**21**	**10**	**7**

This section presents an overview of the results of the CAMSS assessments for eDelivery. The CAMSS "Strength" indicator measures the reliability of the assessment by calculating the number of answered (applicable) criteria. On the other hand, the number of favourable answers and the number of unfavourable ones are used to calculate the "Automated Score" per category and an "Overall Score".

*The technical interoperability layer is covered by the criteria corresponding to the core interoperability principle ''Openness''.

With a 81% of assessment strength, this assessment can be considered representative of the specification compliance with the EIF principles and recommendations.

The Overall Automated Score of 70% demonstrates that XSLT fairly supports the European Interoperability Framework in the domains where it applies.
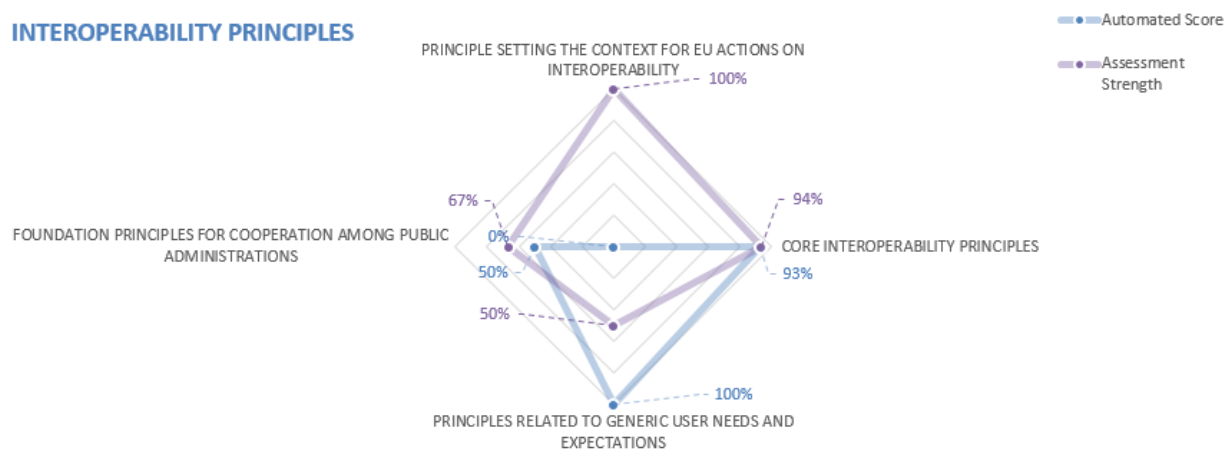

Figure 1 Assessment Results - Interoperability Principles
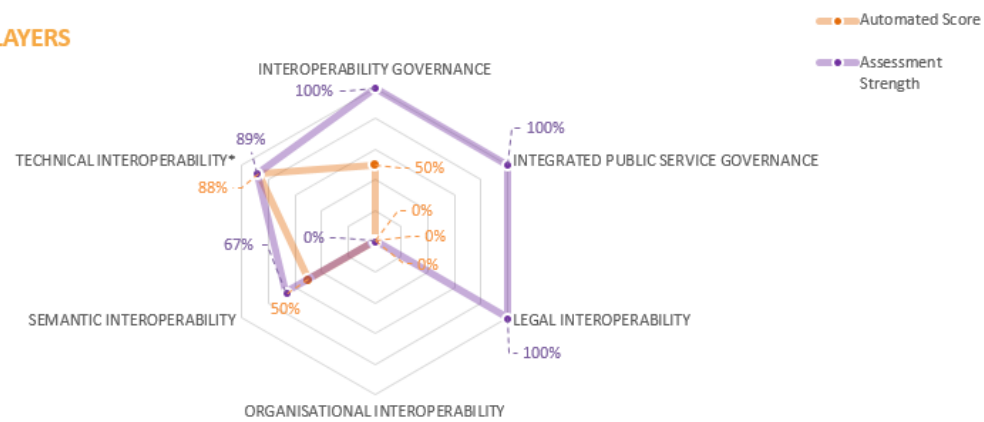
INTEROPERABILITY LAYERS

Figure 2 Assessment Results - Interoperability Layers