ASSESSMENT SUMMARY

ASiC Baseline Profile

European Telecommunications Standards Institute (ETSI)

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1. INTRODUCTION

The present document is a summary of the assessment of ASiC Baseline Profile 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

ASiC Baseline Profile[2] is a signed data container developed and maintained by the **European Telecommunications Standards Institute (ETSI)**[3]. It provides a set of basic features needed to create files containing one or more element related with electronic signatures enhancing the interoperability across borders.

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**
  ASiC is included in 3 national catalogues of recommended specifications. They belong to the Netherlands, Poland, and France. The National Interoperability Framework (NIF) of these Member States is fully aligned with at least 4 out of 5 sections of the European Interoperability Framework (EIF)[4] according to the National Interoperability Framework Observatory (NIFO)[5] factsheets.

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

- **Openness**
  ASiC and the assessed profile ASiC Baseline Profile are open specifications available for its implementation and use. ETSI has developed its standardisation process according to its long experience. In ETSI's standardisation process all the stakeholders involved in the development of standards or specifications can contribute. In addition to this, a public review is part of the decision-making process. Furthermore, it is demonstrated that ASiC Baseline profile has enough maturity and market acceptance for its use in the development of products and services.

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

[2] https://www.etsi.org/deliver/etsi_ts/103100_103199/103174/02.02.01_60/ts_103174v020201p.pdf

[3] https://www.etsi.org/

[4] https://ec.europa.eu/isa2/sites/isa/files/eif_brochure_final.pdf

[5] https://joinup.ec.europa.eu/collection/national-interoperability-framework-observatory-nifo/nifo-factsheets

- **Transparency**

  The purpose of ASiC Baseline Profile is not related to the visibility and comprehensibility of administrative rules or services. Moreover, the specifications is not related to the availability of internal interfaces.

- **Reusability**

  ASiC Baseline profile has been made available for its reuse by ETSI, moreover, it is a sector agnostic specification.

- **Technological neutrality and data portability**

  ASiC Baseline Profile is depending on the other Baseline Profile like CAdEs or XAdES in order to provide long-term preservation features. This dependency does not hamper the interoperability for which it was developed.

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

- **User-centricity**

  By allowing the data exchange and reuse across borders, ASiC Baseline profile eases the implementation of the Once-Only Principle.

- **Inclusion and accessibility**

  The purpose of the specification is not related e-accessibility. Therefore, ASiC Baseline Profile does not foster the e-accessibility.

- **Security and privacy**

  As a container for a signed data, including time stamps and other related information, it contributes to the secure and trustworthy data exchange.

- **Multilingualism**

  The purpose of ASiC Baseline profile is not related with the delivery of multilingual European public services.

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

- **Administrative Simplification**

  ASiC Baseline profile is an actor on the digital data exchange that allows to avoid the non-digital data exchange inherent administrative burden.

- **Preservation of information**

  ASiC Baseline is not directly related to long-term preservation of electronic records but along with CAdEs and XAdES long-term features helps to preserve information

XML does not foster the long-term preservation of electronic records and other kinds of information. The purpose of the specification is not related the preservation of information.

- **Assessment of effectiveness and efficiency**
No study assessing the effectiveness and efficiency of ASiC Baseline Profile have been found.

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**
Several Member States are recommending ASiC in their ICT National Catalogues. Additionally, ASiC Baseline Profile is already associated to the European Interoperability Reference Architecture (EIRA) ABBs in the European Library of Specifications (ELIS). Specifically, ASiC Baseline Profile can define the interoperability aspects of "e-Seal Creation Service", "e-Seal Verification and Validation Service", "e-Signature Creation Service", and "e-signature Verification and Validation Service" ABBs of the EIRA Technical View.

- **Integrated public service governance & Legal interoperability**
ETSI is one of three Standardisations Organisation in Europe and all the standards developed and maintained by them are in compliance with the European Standardisation Regulation 1025/2012[6]. Moreover, a European Commission Implementation Decision (2015/1506)[7] recognises CAdES, PAdES, XAdES, and ASIC as formats for electronic signatures purposes.

- **Organisational interoperability**
The purpose of the specification is not related to the definition of organizational aspects. Therefore, ASiC Baseline Profile is not fostering the business process modelling nor other organizational aspects definition.

- **Semantic interoperability**
ASiC Baseline Profile is not defining a cross-sector reusable data model, it is providing a set of conformance levels for its implementation in order to ensure the interoperability across borders.

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[6] https://www.etsi.org/about/etsi-in-europe

[7] https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:32015D1506

- **Technical interoperability**

  ASiC Baseline profile is an open standards highly adopted in the context of the European Internal Market for signed data interchange.

3. *ASSESSMENT RESULTS*

This section presents an overview of the results of the CAMSS assessments for ASiC Baseline Profile. 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''.

Category	Automated Score	CAMSS Strength	Favourable	Unfavourable	Not Applicable
Principle setting the context for EU actions on interoperability	100%	100%	1	0	0
Core Interoperability principles	100%	100%	16	0	0
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	100%	91%	20*	0	2
Overall Score	**97%**	**86%**	**31**	**1**	**5**

With a 86% of assessment strength, this assessment can be considered representative of the specification compliance with the EIF principles and recommendations.

The Overall Automated Score of 86% demonstrates that ASiC Baseline Profile highly supports the European Interoperability Framework in the domains where it applies.
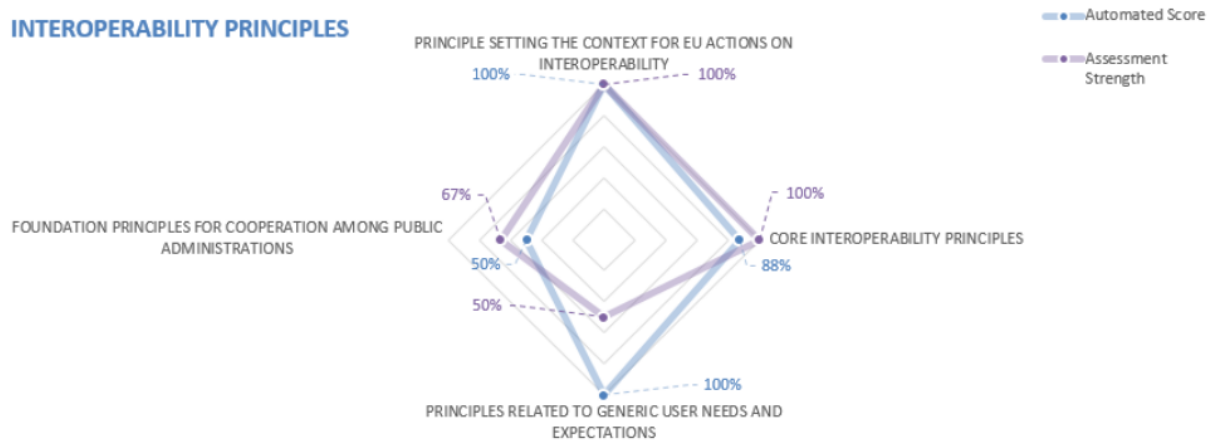
INTEROPERABILITY PRINCIPLES

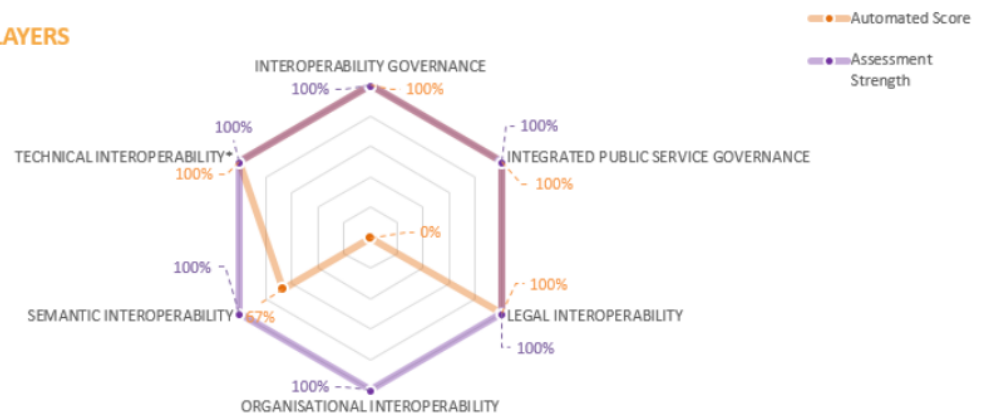Figure 1 Assessment Results - Interoperability Principles

INTEROPERABILITY LAYERS

Figure 2 Assessment Results - Interoperability Layers