CAMSS Assessment EIF Scenario v6.0.0

> Fields marked with * are mandatory.

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INTRODUCTION

COMMON ASSESSMENT
METHOD FOR
STANDARDS AND
SPECIFICATIONS

EIF Scenario

The European Interoperability Framework (EIF) provides guidance to public administrations on how to improve governance of their interoperability activities, establish cross-organisational relationships, streamline processes supporting end-to-end digital services, and ensure that existing and new legislation do not compromise interoperability efforts.

This CAMSS Scenario allows to assess the compliance of **interoperability specifications** with the EIF. The objective of the obtained assessment is to determine the suitability of the assessed interoperability specification for the delivery of interoperable European public services.

Background

CAMSS is the European guide for assessing and selecting standards and specifications for an eGovernment project, a reference when building an architecture, and an enabler for justifying the choice of standards and specifications in terms of interoperability needs and requirements. It is fully aligned with the European Standardisation Regulation 1025/2012.

The main objective of CAMSS is achieving interoperability and avoiding vendor lock-in by establishing a neutral and unbiased method for the assessment of technical specifications and standards in the field of ICT. This method will be compliant with Regulation 1025/2012 on European Standardisation.

While ICT solutions have specific characteristics at the political, legal, and organisational levels; semantic and technical interoperability are based mostly on technical specifications or standards. Within the context of the elaboration of their National Interoperability Frameworks, Member States organise the assessment of technical specifications or standards, in order to establish their national recommendations. Deciding on the recommended technical specifications or standards often calls for a resource-intensive and time-consuming assessment. In order to tackle this, the Digital Europe Programme (DEP) defines an action focused on the development of a common assessment method for standards and specifications (CAMSS).

The purpose of CAMSS is:

- to ensure that assessments of technical ICT specifications or standards and interoperability profiles are performed according to high and consistent standards;
- to ensure that assessments will contribute significantly to the confidence in the interoperability of systems implementing these specifications and profiles;
- to enable the reuse, in whole or in part, of such assessments;
- to continuously improve the efficiency and effectiveness of the assessment process for ICT technical specifications, standards, and interoperability profiles.

The expected benefits of the CAMSS are:

- Ensuring greater transparency throughout the selection of standards in the context of ICT strategies, architectures, and interoperability frameworks. This will be achieved through the establishment of a commonly agreed assessment method, assessment process, and a list of assessment attributes.

- Reducing resource and time requirements and avoiding duplication of efforts. (Partial) sharing of finalised assessments of standards and specifications.

- Allowing easier and faster assessments, and reusing the ones already performed through the creation and maintenance of a library of standards.

Your compliance level of the specification assessed depends on the scores you achieved in each section of the survey. Please see below the survey score conversion table below for guidance.

	Compliance Level				
Section	**Ad-hoc**	**Opportunistic**	**Essential**	**Sustainable**	**Seamless**
Principles setting the context for EU Actions on Interoperability	20	40	60	80	100
EIF Core Interoperability Principles	0 to 340	341 to 680	681 to 1020	1021 to 1360	1361 to 1700
EIF Principles Related to generic user needs and expectations	0 to 240	241 to 480	481 to 720	721 to 960	961 to 1200

EIF Foundation principles for cooperation among public administrations	0 to 100	101 to 200	201 to 300	301 to 400	401 to 500
EIF Interoperability Layers	0 to 200	201 to 400	401 to 600	601 to 800	801 to 1000

The following table shows the 'compliance levels' that a specification can reach depending on the assessment score.

Compliance Level	Description
Ad-hoc	Poor level of conformance with the EIF - The specification does not cover the requirements and recommendations set out by the EIF in this area.
Opportunistic	Fair level of conformance with the EIF - The specification barely covers the requirements and recommendations set out by the European Interoperability Framework in this area.
Essential	Essential level of conformance with the EIF - The specification covers the basic aspects set out in the requirements and recommendations from the European Interoperability Framework.
Sustainable	Good level of conformance with the EIF scenario - The specification covers all the requirements and recommendations set out by the European Interoperability Framework in this area.
Seamless	Leading practice of conformance level with the EIF - The specification fully covers the requirements and recommendations set out by the European Interoperability Framework in this area.

Contact: For any general or technical questions, please send an email to DIGIT-CAMSS@ec.europa.eu. Follow all activities related to the CAMSS on our CAMSS community page.

USER CONSENT

Disclaimer:

By no means will the Interoperability Specification assessment imply any endorsement of the EC to the assessed specification. Likewise, the use of CAMSS Assessment EIF Scenario implies that the user accepts that the EC is not liable on the assessment nor on any direct or indirect consequence/decision of such assesment.

The CAMSS Assessment EIF Scenario is based on EU Survey, by accepting the CAMSS Privacy Statement the user also accepts EU Survey Privacy Statement and the Terms of use.

* Please, fill in the mandatory*** information to start the assessment

☑ *I have read and agreed to the following CAMSS Privacy Statement: here

☐ I agree to be contacted for evaluation purposes, namely to share my feedback on specific DEP solutions and actions and on the DEP programme and the European Interoperability Framework in general.

This assessment is licensed under the European Union Public License (EUPL)

IDENTIFICATION

Information on the information provider

Your Last name

CAMSS Team

Your First Name

Your Position / Role

* Your Organisation

European Commission DG-DIGIT

Your Contact phone number

* Would you like to be contacted for evaluation purposes in the context of your assessment? To see how your data is handled, please check again the Privacy statement here

In case you would like to be contacted, please select "yes" and provide your email.

○ Yes
◉ No

* Where did you learn about CAMSS?
○ DEP Programme (DEP website, DEP social media)
○ Joinup (e.g., CAMSS Collection, Joinup social media)
◉ European Commission
○ Public Administrations at national, regional or local level
◉ Standards Developing Organizations (SDOs)
○ Other

If you answered "Other" in the previous question, please specify how:

Information on the specification

* Specification type
Specification: Set of agreed, descriptive, and normative statements about how a specification should be designed or made.
Standard: Specification that is largely adopted and possibly endorsed.
Application Profile: An application profile "customises one or more existing specifications potentially for a given use case or a policy domain adding an end to end narrative describing and ensuring the interoperability of its underlying specification(s)".
Family: A family is a collection of interrelated and/or complementary specifications, standards, or application profiles and the explanation of how they are combined, used, or both.

- ⦿ Specification
- ○ Standard
- ○ Application Profile
- ○ Family of Specification

* Title of the specification

ETSI TS 119 512 Electronic Signatures and Infrastructures (ESI); Protocols for trust service providers providing long-term data preservation services

* Version of the specification

1.1.2

* Description of the specification

The ETSI TS 119 512 specification complements ETSI TS 119 511 and specifies protocols for trust service providers providing long-term data preservation services of digital signatures and of general data (i.e. unsigned data or signed data). ETSI TS 119 512 specifies protocols for Trust Service Providers to provide long-term preservation of digital signatures and transactional data (unsigned or signed data), using digital signature technology.

* URL from where the specification is distributed

https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* Name and website of the standard developing/setting organisation (SDO/SSO) of the specification

- ○ W3C (https://www.w3.org)
- ○ OASIS (https://www.oasis-open.org/)
- ○ IEEE (https://standards.ieee.org/)
- ⦿ ETSI (https://www.etsi.org/)
- ○ GS1 (https://www.gs1.fr/)
- ○ openEHR (https://www.openehr.org/)

○ IETF (https://www.ietf.org/)

○ Other (SDO/SSO)

Contact information/contact person of the SDO

a) for the organisation

b) for the specification submitted

Information on the assessment of the specification

Reason for the submission, the need and intended use for the specification.

If any other evaluation of this specification is known, e.g. by Member States or European Commission projects, provide a link to this evaluation.

Considerations

Is the functional area of application for the formal specification addressing interoperability and eGovernment?

◉ YES

○ NO

Additional Information

ETSI TS 119 512 provides different preservation scheme profiles, which may implement different preservation and validation technologies. Moreover, digital signatures can be useful to share original data between organisations.

EIF PRINCIPLES SETTING THE CONTEXT FOR EU ACTIONS ON INTEROPERABILITY

This category is related to the first underlying principle ([UP](#)) of the EIF Subsidiarity and Proportionality (UP1). The basis of this principle is to ensure that the EU Actions are taken or stated to improve national actions or decisions. Specifically, it aims to know if National Interoperability Frameworks are aligned with the EIF.

Please note that some of the questions have a prefilled answer depending on the SDO. To ensure it, please see that these questions include a help message that remarks it.

Subsidiarity and Proportionality

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* A1 - To what extent has the specification been included in a national catalogue from a Member State whose National Interoperability Framework has a high performance on interoperability according to National Interoperability Framework Observatory factsheets?

EIF Recommendation 1: Ensure that national interoperability frameworks and interoperability strategies are aligned with the EIF and, if needed, tailor and extend them to address the national context and needs.

This criterion assesses if the specifications have been included within the National Catalogues of Specifications of the Member States that are highly aligned with the higher level of performance in terms of interoperability.

The Digital Public Administration Factsheets use three categories to evaluate the level of National Interoperability frameworks in accordance with the EIF. The three categories are 1. CONCEPTUAL MODEL FOR INTEGRATED PUBLIC SERVICES PROVISION; 2 INTEROPERABILITY LAYERS, and 3. INTEROPERABILITY PRINCIPLES. National Interoperability Frameworks reports can be found here: https://joinup.ec.europa.eu/collection/nifo-national-interoperability-framework-observatory/digital-public-administration-factsheets-2021

- ○ Not Answered
- ○ Not Applicable
- ● The specification has not been included within the catalogue of any Member State.
- ○ The specification has been included within the catalogue of a Member State with a lower performance than stated in the Digital Public Administration Factsheets from the NIFO.
- ○ The specification has been included within the catalogue of a Member State with a middle-lower performance than stated in the Digital Public Administration Factsheets from the NIFO.
- ○ The specification has been included within the catalogue of a Member State with a middle-upper performance than stated in the Digital Public Administration Factsheets from the NIFO.
- ○ The specification has been included within the catalogue of a Member State with a higher performance than stated in the Digital Public Administration Factsheets from the NIFO.

* Justification

> Currently no member state has included the specification on its national catalogue.
>
> CAMSS list of standads:
> https://interoperable-europe.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/camss-list-standards

EIF CORE INTEROPERABILITY PRINCIPLES

In this category, elements related to the core interoperability principles (UP) are encompassed, which are: openness (UP 2), transparency (UP3), reusability (UP4), technological neutrality and data portability (UP5).

Openness

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* A2 - Does the specification facilitate the publication of data on the web?

EIF Recommendation 2: Publish the data you own as open data unless certain restrictions apply.

Relates to the ability of the specification to publish data as open data or not.

- ○ Not Answered
- ● Not Applicable
- ○ The specification does not support the publication of data on the web.
- ○ The specification supports the publication of data on the web but under a non-open license.
- ○ The specification supports the publication of data on the web with an open license, but in an unstructured format.
- ○ The specification supports publication of data on the web with an open license and in a structured, machine-readable format.
- ○ In addition to the previous question, the specification does not require proprietary software for the processing of its related data.
- ○ In addition to the previous question, the specification is or incorporates open standards (e.g. W3C).

* Justification

> The purope of ETSI TS 119 512 is not related to the publication of open data, therefore this criterion is not applicable to the specification.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A3 - To what extent do stakeholders have the opportunity to contribute to the development of the specification?

EIF Recommendation 3: Ensure a level playing field for open-source software and demonstrate active and fair consideration of using open source software, taking into account the total cost of ownership of the solution.

Relates to in which measure the different stakeholders that a specification can benefit have the opportunity to participate in the working groups focused on the development of certain specifications.

- ○ Not Answered
- ○ Not Applicable
- ○ There is no information on the working group of the specification.
- ○ The working group is open to participation by any stakeholder but requires registration, fees, and membership approval.
- ○ The working group is open to participation by any stakeholder but requires fees and membership approval.
- ○ The working group is open to participation following a registration process.
- ● The working group is open to all without specific fees, registration, or other conditions.

* Justification

ETSI's standards-making process has been clearly defined after years of experience. The organisation has adopted the open approach which means direct participation and consensus as a basis to develop standards. All the stakeholders have the opportunity to contribute directly in the process of standardisation through the technical committees created to develop ETSI's technical specifications and standards. The decision-making process includes a public review, where stakeholders involved can provide technical feedback in order to enhance and maximize the quality and accuracy of the standards.

ETSI standard making:
https://www.etsi.org/standards/standards-making

* A4 - To what extent is a public review part of the release lifecycle?

EIF Recommendation 3: Ensure a level playing field for open-source software and demonstrate active and fair consideration of using open source software, taking into account the total cost of ownership of the solution.

A public review consists of the public availability of the specification's draft for stakeholders to provide inputs for the improvement and fix of possible bugs.

- ○ Not Answered
- ○ Not Applicable
- ○ Specification releases do not foresee public reviews.
- ○ Public review is applied to certain releases depending on the involved changes.
- ○ All major releases foresee a public review.
- ○ All major and minor releases foresee a public review but, during which, collected feedback is not publicly visible.
- ● All major and minor releases foresee a public review during which collected feedback is publicly visible.

* Justification

ETSI has refined its standards-making process over many years of experience. The organisation embraces an open approach, encouraging direct participation and consensus in the development of standards. All stakeholders can engage actively through technical committees that focus on creating ETSI's technical specifications and standards. The decision-making process features a public review stage, allowing stakeholders to offer technical feedback aimed at improving the quality and accuracy of the standards.

ETSI standard making:
https://www.etsi.org/standards/standards-making

* A5 - To what extent do restrictions and royalties apply to the specification's use?

EIF Recommendation 3: Ensure a level playing field for open-source software and demonstrate active and fair consideration of using open source software, taking into account the total cost of ownership of the solution.

Additionally to the EIF's recommendation that refers to open-source software it applies to a specification in itself at any interoperability level (legal, organisational, semantic, or technical)

- ○ Not Answered
- ○ Not Applicable
- ○ The specification has no public definition of its Intellectual Property Right (IPR) policy or licence.
- ○ Use of the specification is restricted and requires the payment of royalty fees.
- ○ Use of the specification is royalty-free but imposes an Intellectual Property Right (IPR) policy or licence that goes against Fair, Reasonable and Non-Discriminatory (F/RAND) principles.
- ●

Use of the specification is royalty-free and its Intellectual Property Right (IPR) policy or licence is aligned with Fair, Reasonable and Non-Discriminatory (F/RAND) principles.

* Justification

> The ETSI IPR Policy which is part of the ETSI directives seeks to reduce the risk that our standards-making efforts might be wasted if SEPs are unavailable under Fair, Reasonable and Non-Discriminatory (FRAND) terms and conditions.
> The main objective of the ETSI IPR Policy is to balance the rights and interests of IPR holders to be fairly and adequately rewarded for the use of their SEPs in the implementation of ETSI standards and the need for implementers to get access to the technology defined in ETSI standards under FRAND terms and conditions.
>
> ETSI's intellectual property rights policy:
> https://www.etsi.org/intellectual-property-rights

Justification:
The ETSI IPR Policy which is part of the ETSI directives seeks to reduce the risk that our standards-making efforts might be wasted if SEPs are unavailable under Fair, Reasonable and Non-Discriminatory (FRAND) terms and conditions.
The main objective of the ETSI IPR Policy is to balance the rights and interests of IPR holders to be fairly and adequately rewarded for the use of their SEPs in the implementation of ETSI standards and the need for implementers to get access to the technology defined in ETSI standards under FRAND terms and conditions.

ETSI's intellectual property rights policy:
https://www.etsi.org/intellectual-property-rights

Additional information
In case you need to add further justification.

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* A6 - To what extent is the specification sufficiently mature for its use in the development of digital solutions/services?

EIF Recommendation 4: Give preference to open specifications, taking due account of the coverage of functional needs, maturity and market support, and innovation.

Maturity related to the stability of the specification, meaning that it has been evolved enough and mechanisms for its development have been put in place (Change Management processes, monitoring, etc.)

- ○ Not Answered
- ○ Not Applicable
- ○ The specification has no published releases and no publicly accessible information on its development state.
- ○ The specification is under development without published releases.
- ○ The specification is under development with published preview releases.
- ○ The specification has published major releases but without public documentation on its supporting processes (e.g. change management and release management).
- ● The specification, in addition to having major releases available, has published documentation on its supporting processes (e.g. change management and release management).

* Justification

> The ETSI TS 119 512 specification is part of the ETSI (European Telecommunications Standards Institute) specifications organisation. ETSI was created in 1988 by the European Conference of Postal and Telecommunications Administrations (CEPT) in response to proposals from the European Commission. A special report, ETSI SR 019 510, was first created in ETSI ESI as a basis for the development of technical specifications in the field of preservation services. Based on this report, the development of the actual protocol standard, ETSI TS 119 512, and the associated "Policy and Security Requirements," ETSI TS 119 511, took place, and all documentation and supporting processes have been published. In addition, the ETSI TS 119 512 specification was carried out in 2020, and it establishes new mechanisms that can be used in conjunction with ETSI TS 119 511.
>
> ETSI specification history:
> https://www.etsi.org/about
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf
>
> ETSI TS 119 511 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119511/01.01.01_60/ts_119511v010101p.pdf
>
> eIDAS blog, New APIs for the eIDAS-Ecosystem:
> https://blog.eid.as/tag/etsi-ts-119-512-en/

* A7 - To what extent has the specification sufficient market acceptance for its use in the development of digital solutions/services?

EIF Recommendation 4: Give preference to open specifications, taking due account of the coverage of functional needs, maturity and market support, and innovation.

Relates to how the specification is supported by the market, taking as a reference whether or not the specifications are widely used or implemented. There is an exception, and it is when the specification is used to implement innovative solutions, then, the specification should not be considered as failing to meet the requirements of the criterion.

- ◎ Not Answered
- ◎ Not Applicable
- ◎ There is no information about the specification's market uptake.
- ◎ The specification has known implementations but not enough to indicate market acceptance.
- ◎ The specification has widespread use indicating market acceptance.
- ◎ The specification has widespread use and relevant independent reports proving its market acceptance.
- ◉ The specification does not have market acceptance because it is directly used to create innovative solutions.

* Justification

> ETSI TS 119 512 specifies policy and security protocols for trust service providers providing long-term preservation of digital signatures and of general data using digital signature techniques. The specification performance is closely related to the different specifications involved in electronic signatures across borders. In the context of the European internal market, it can be considered as an asset for the creation of solutions enhancing the interoperability between administrations and businesses when eSignature, and long preservation of electronic records is needed.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

ETSI TS 119 512 Working group:
https://portal.etsi.org/webapp/workprogram/Report_WorkItem.asp?WKI_ID=61427

"Towards a standardised preservation service for qualified electronic signatures and qualified electronic seals" article:
https://dl.gi.de/bitstream/handle/20.500.12116/20980/proceedings-01.pdf?sequence=1&isAllowed=y

* A8 - To what extent has the specification support from at least one community?

EIF Recommendation 3: Ensure a level playing field for open-source software and demonstrate active and fair consideration of using open source software, taking into account the total cost of ownership of the solution.

Related to whether or not communities exist around the specification at any level legal, organisational, semantic, or technical contributions to its enhancement and development.

- ○ Not Answered
- ○ Not Applicable
- ○ There is no community linked to the specification.
- ○ Specification support is available but as part of a closed community requiring registration and possibly fees.
- ○ There is no specific community to support the specification but there are public channels for the exchange of help and knowledge among its users.
- ○ There is a community providing public support linked to the specification but in a best-effort manner.
- ● There is a community tasked to provide public support linked to the specification and manage its maintenance.

* Justification

ETSI TS 119 512 is maintained by ETSI, one of the European agencies for standardisation.

ETSI organisation:
https://www.etsi.org/about

ETSI TS 119 512 Working group:
https://portal.etsi.org/webapp/workprogram/Report_WorkItem.asp?WKI_ID=61427

Transparency

* A9 - To what extent does the specification enable the visibility of administrative procedures, rules data, and services?

EIF Recommendation 5: Ensure internal visibility and provide external interfaces for European public services.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification hinders visibility.
- ○ The specification neither promotes nor hinders visibility.

○ The specification can contribute and promote the visibility of administrations, but it is not its main purpose.
● The specification can enable the visibility of administrations if combined with other specifications.
○ The specification actively promotes and supports visibility.

* Justification

According to section 4.4 of the ETSI TS 119 512 specification document, the Profile element outlines the technical details of a preservation profile, allowing a client to use the preservation interface to communicate with the preservation service. Full implementation of specific provisions is achieved when combined with its companion documents, ETSI TS 119 511. This combination enhances the visibility of administrative procedures, rules, and services.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

ETSI TS 119 511 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119511/01.01.01_60/ts_119511v010101p.pdf

* A10 - To what extent does the specification scope comprehensibly administrative procedures, rules data, and services?

EIF Recommendation 5: Ensure internal visibility and provide external interfaces for European public services.

○ Not Answered
○ Not Applicable
○ The specification hinders comprehensibility.
○ The specification neither promotes nor hinders comprehensibility.
○ The specification can contribute and promote the comprehensibility of administrations, but it is not its main purpose.
● The specification can scope the comprehensibility of administrations if combined with other specifications.
○ The specification actively promotes and supports comprehensibility.

* Justification

According to section 4.4 of the ETSI TS 119 512 specification document, the Profile element outlines the technical details of a preservation profile, allowing a client to use the preservation interface to communicate with the preservation service. Full implementation of specific provisions is achieved when combined with its companion documents, ETSI TS 119 511. This combination ensures a more comprehensive understanding of administrative procedures, rules, and services.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.02.01_60/ts_119512v010201p.pdf

ETSI TS 119 511 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119511/01.01.01_60/ts_119511v010101p.pdf

* A11 - To what extent does the specification enable the exposure of interfaces to access the public administration's services?

EIF Recommendation 5: Ensure internal visibility and provide external interfaces for European public services.

Relates to ensuring availability of interfaces with internal information systems. As the EIF defines: *Public administrations operate a large number of what are often heterogeneous and disparate information systems in support of their internal processes. Interoperability depends on ensuring the availability of interfaces to these systems and the data they handle. In turn, interoperability facilitates the reuse of systems and data and enables these to be integrated into larger systems.*

- ○ Not Answered
- ○ Not Applicable
- ○ The specification prevents the exposure of such interfaces.
- ○ The specification neither promotes nor hinders the exposure of such interfaces.
- ○ The specification can contribute to the exposure of interfaces, but it is not its main purpose.
- ○ The specification can enable the exposure of interfaces if combined with other specifications.
- ● The specification enables exposure of such interfaces.

* Justification

> The ETSI TS 119 512 specifiction system architecture for preservation, includes a preservation interface that is provided by the preservation service and used by the client.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Reusability

* A12 - To what extent is the specification usable beyond the business-specific domain, allowing its usage across business domains?

EIF Recommendation 6: Reuse and share solutions, and cooperate in the development of joint solutions when implementing European public services.

Relates to the use of the specification beyond a specific business domain. E.g. a specification developed under the eHealth domain that can be used in other domains or not.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification is tied to a specific domain and is restricted from being implemented or used in other domains.
- ○ The specification is associated with a specific domain but its implementation and/or use in other domains is difficult.
- ○ The specification is associated with a specific domain but could be partially implemented and/or used in other domains.
- ○ The specification is associated with a specific domain but could be implemented and/or used 'as-is' to other domains.
- ● The specification is domain-agnostic, designed to be implemented and/or used in any domain.

* Justification

> ETSI TS 119 512 protocols can be used in any business domains of the european public administrations. In this sense the use of different preservation schemes in the specification that build the so called preservation profiles. This capabilities make the specification truly domain agnostic.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Technological Neutrality and Data Portability

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* A13 - Is the specification technology agnostic?
EIF Recommendation 8: Do not impose any technological solutions on citizens, businesses, and other administrations that are technology-specific or disproportionate to their real needs.

Technology-neutrality relates to not being dependent on any other ("sister") specifications, and platform-neutrality, not being dependent on any specific environment, web platform, operating system.

- ○ Not Answered
- ○ Not Applicable
- ⦿ NO
- ○ YES

* Justification

> ETSI TS 119 512 is part of the Electronic Signatures and Infrastructure (ESI) family of specifications, and it is dependent on some of their protocols and semantics they convey; therefore, this specification is not technology agnostic.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A14 - Is the specification platform agnostic?
EIF Recommendation 8: Do not impose any technological solutions on citizens, businesses, and other administrations that are technology-specific or disproportionate to their real needs.

Technology-neutrality relates to not being dependent on any other ("sister") specifications, and platform-neutrality, not being dependent on any specific environment, web platform, operating system.

- ○ Not Answered
- ○ Not Applicable
- ○ NO
- ⦿ YES

* Justification

> ETSI TS 119 512 does not rely on any specific platform. Therefore, the specification can be considered platform agnostic.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A15 - To what extent does the specification allow for partial implementations?

EIF Recommendation 8: Do not impose any technological solutions on citizens, businesses, and other administrations that are technology-specific or disproportionate to their real needs.

Partial implementations refer to the application of specifications, not in their whole, but part of the requirements or features defined in the documentation.

It can also be understood as the implementation of different profiles, which is also related to a certain set of requirements depending on the context of implementation.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification is only meant to be used as a whole.
- ○ The specification could be partially implemented but does not make specific provisions towards this.
- ● The specification could be partially implemented but includes only guidelines towards this rather than sets of requirements.
- ○ The specification explicitly foresees sets of requirements that can be implemented incrementally.
- ○ The specification explicitly foresees sets of requirements that can be implemented incrementally or separately.

* Justification

> In ETSI TS 119 512, there are different profiles of preservation schemes, but without mentioning whether they can be implemented independently. Moreover a preservation service may support different preservation schemes, which define the general approach for preservation.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A16 - Does the specification allow customisation?

EIF Recommendation 8: Do not impose any technological solutions on citizens, businesses, and other administrations that are technology-specific or disproportionate to their real needs.

A clear example of customizations is Core Vocabularies, which define a set of general requirements that could fit in any context and allow for the customization to fit specific business requirements in the implementation.

- ○ Not Answered
- ○ Not Applicable
- ○ NO
- ● YES

* Justification

> ETSI TS 119 512 is designed to support possible customisations depending on the business-specific needs and requiremets.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A17 - Does the specification allow extension?

EIF Recommendation 8: Do not impose any technological solutions on citizens, businesses, and other administrations that are technology-specific or disproportionate to their real needs.

A clear example of extension is Core Vocabularies, which are a set of general requirements fitting in different contexts that can complement each other in a sort of extensibility practice to fit specific business requirements in any implementation.

- ◯ Not Answered
- ◯ Not Applicable
- ◯ NO
- ● YES

* Justification

> Extesion mechanisms are provided by ETSI TS 119 512. For example, there can be found preservation specific extensions for ASiC-related components and extensions for other preservation object formats.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A18 - To what extent does the specification enable data portability between systems/applications supporting the implementation or evolution of European public services?

EIF Recommendation 9: Ensure data portability, namely that data is easily transferable between systems and applications supporting the implementation and evolution of European public services without unjustified restrictions, if legally possible.

- ◯ Not Answered
- ◯ Not Applicable
- ◯ The specification prevents or does not support data portability.
- ◯ The specification neither addresses data portability nor prevents it.
- ◯ The specification addresses data portability but without specific provisions to enable it.
- ◯ The specification introduces certain aspects that can contribute to enabling data portability.
- ● The specification explicitly addresses and enables data portability.

* Justification

> When it comes to the preservation mechanisms, ETSI TS 119 512 specifies a data structure "EvidenceExchange", which contains preservation objects and preservation evidences to support seamless export and import from one preservation service to another one, using evidence records; therefore enhancing interoperability between systems and ensuring data portability.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

EIF PRINCIPLES RELATED TO GENERIC USER NEEDS AND EXPECTATIONS

This category includes all underlying principles from the EIF which are related to user needs. Principles included here are user-centricity (UP6), inclusion and accessibility (UP7), security and privacy (UP8), and multilingualism (UP9).

User-Centricity

* A19 - To what extent does the specification allow relevant information to be reused when needed?

EIF Recommendation 13: As far as possible under the legislation in force, ask users of European public services once-only and relevant-only information.

The Once-Only Principle is related to making the operations or transactions between administrations and stakeholders more efficient. It implies avoiding the provision of certain data or information twice or more when this information is already available for public administrations.
First European Data Space, Once Only Technical System (OOTS):
https://ec.europa.eu/digital-building-blocks/wikis/display/DIGITAL/Once+Only+Technical+System
Additional and relevant information can be found here: https://ec.europa.eu/cefdigital/wiki/display/CEFDIGITAL/Once+Only+Principle

- ○ Not Answered
- ○ Not Applicable
- ○ Information needs to be provided whenever this is needed.
- ○ There is limited reuse of provided information.
- ● Provided information is reused, but this is not consistently done.
- ○ Provided information is reused, but not in all scenarios.
- ○ Information is provided once-only and reused as needed.

* Justification

> ETSI TS 119 512 has been developed to provide services for the long-term preservation of data in general. Although its main purpose is not to reuse data when needed, it can be useful for access and use of data in some cases.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Inclusion and Accessibility

* A20 - To what extent does the specification enable the e-accessibility?

EIF Recommendation 14: Ensure that all European public services are accessible to all citizens, including persons with disabilities, the elderly, and other disadvantaged groups. For digital public services, public administrations should comply with e-accessibility specifications that are widely recognised at the European or international level.

Examples of specifications addressing e-accessibility are, for instance, WAI-ARIA (https://www.w3.org/WAI/standards-guidelines/aria/) included within Web Content Accessibility Guidelines (WCAG) Overview (https://www.w3.org/WAI/standards-guidelines/wcag/).

- ○ Not Answered
- ● Not Applicable
- ○ The specification prevents or does not support e-accessibility.
- ○ The specification neither addresses e-accessibility nor prevents it.

○ The specification can contribute and promote e-accessibility, but it is not its main purpose.

○ The specification can enable e-accessibility if combined with other specifications.

○ The specification explicitly addresses and enables e-accessibility.

* Justification

> ETSI TS 119 512 is not related to e-accessibility. Therefore this criterion is not applicable to this specification.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Privacy

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* A21 - To what extent does the specification ensure the protection of personal data managed by Public Administrations?

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

Relates to the actions that Public Administrations establish concerning sensitive information for the proper delivery of public services. The different actions imply the reception, classification, and exchange of such information.

Securing the right to the protection of personal data, by respecting the applicable legal framework for the large volumes of personal data of citizens, held and managed by Public administrations.

○ Not Answered

○ Not Applicable

○ The specification hinders the protection of personal data.

○ The specification does not address the protection of personal data but neither prevents it.

○ The specification includes certain data protection considerations but without being exhaustive.

○ The specification explicitly addresses data protection but without referring to relevant regulations.

● The specification explicitly addresses data protection and its alignment to relevant regulations.

* Justification

> The ETSI TS 119 512 specification outlines protocols for trust service providers that offer long-term data preservation services for digital signatures and other types of data. Using digital signatures and time-stamps tokens, is guaranteed that data has not been changed since it was signed. Moreover, it is possible to establish access control mechanisms to access data. Therefore, data is secure and protected against unwanted changes.
>
> ETSI TS 119 512:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

* A22 - Does the specification provide means for restriction of access to information/data?

20

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

The principle of confidentiality defines that only the sender and the intended recipient(s) must be able to create the content of a message. Confidentiality have compromised if an unauthorized person is able to create a message.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification prevents or does not support the implementation of confidentiality mechanisms/features.
- ○ The specification neither addresses confidentiality nor prevents it.
- ○ The specification addresses confidentiality but without specific provisions to enable it.
- ○ The specification introduces certain aspects that can contribute to enabling confidentiality.
- ● The specification explicitly addresses and enables the implementation of features to guarantee confidentiality.

* Justification

> Using mechanisms such as time-stamping authority, it is possible to ensure that data is secured and that only authorised persons have access to them. Moreover, there are other access control mechanisms that guarantee data is secured and changes are only allowed for authorised persons.
>
> ETSI TS 119 512:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf
>
> ETSI EN 319 401:
> https://www.etsi.org/deliver/etsi_en/319400_319499/319401/02.03.01_60/en_319401v020301p.pdf

* A23 - Is the specification included in any initiative at European or National level covering privacy aspects?

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

Securing the right to the protection of personal data, by respecting the applicable legal framework for the large volumes of personal data of citizens, held and managed by Public administrations.

Relates to the actions that Public Administrations establish concerning sensitive information for the proper delivery of public services. The different actions imply the reception, classification, and exchange of such information.

For example, the ETSI (Electronic Signatures and Infrastructures) family of specifications are part of the trust establishment of the eDelivery solution, ensuring that its implementation is salient to guarantee security and privacy.

- ○ Not Answered
- ○ Not Applicable
- ○ Yes, but at national or regional level.
- ● Yes, at European level.

* Justification

ETSI TS 119 512 is indirectly mentioned in the Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market. In this Regulation, one of the aspects that is mentioned is that the selected specification have to facilitate the implementation of the principle of privacy by design and ensure that personal data is processed in accordance with Directive 95/46/EC.

"Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market" reference: https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2014.257.01.0073.01.ENG

Security

Data processing and exchange

* **A24 - To what extent does the specification enable the secure exchange of data?**
EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

This relates to the actions that Public Administrations establish concerning sensitive information for the proper delivery of public services. The different actions imply the reception, classification, and exchange of such information.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification prevents or does not support the secure and trustworthy exchange of data.
- ○ The specification introduces certain aspects that can contribute to enabling the secure exchange of data.
- ○ The specification addresses data security and trustworthy data exchange but does not foresee specific provisions to enable them.
- ○ The specification addresses data security and trustworthy data exchange but specific provisions to enable them are limited.
- ● The specification explicitly addresses and enables the secure and trustworthy exchange of data.

* Justification

Cryptographic algorithms are the basis of e-signatures encryption. ETSI TS 119 512 is furthermore developed for trust service providers for the storing and retrieval of information and data that require a high degree of security in their processing and exchange.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* **A25 - To what extent does the specification enable the secure processing of data?**
EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

Relates to the actions that Public Administrations establish concerning sensitive information for the proper delivery of public services. The different actions imply the reception, classification, and exchange of such information.

○ Not Answered

◉ Not Applicable

○ The specification prevents or does not support the secure and trustworthy processing of data.

○ The specification introduces certain aspects that can contribute to enabling the secure processing of data.

○ The specification addresses data security and trustworthy data processing but does not foresee specific provisions to enable them.

○ The specification addresses data security and trustworthy data processing but specific provisions to enable them are limited.

◉ The specification explicitly addresses and enables the secure and trustworthy processing of data.

* Justification

In ETSI EN 319 401, which is a complementary specification of ETSI ES 119 512, some trusted services are defined to improve the processing of trusted data. Some of these mechanisms are the creation, verification and validation of digital signatures and related certificates and the creation, verification and validation of time stamps and related certificates. Through these verification systems, data can be treated reliably, guaranteeing that data has not been altered since the digital signature was validated.

ETSI TS 119 512:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

ETSI EN 319 401:
https://www.etsi.org/deliver/etsi_en/319400_319499/319401/02.03.01_60/en_319401v020301p.pdf

Data authenticity

* **A26 - To what extent the specification guarantees the authenticity and authentication of the roles agents involved in the data transactions?**

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

Authentication defines that users are who they request to be. Availability defines that resources are available by authorized parties; "denial of service" attacks, which are the subject matter of national news, are attacks against availability. The concerns of information security professionals are access control and Nonrepudiation. Authorization defines the power that it can have over distinguishing authorized users from unauthorized users, and levels of access in-between. Authenticity defines the constant checks that it can have to run on the system to make sure sensitive places are protected and working perfectly."

○ Not Answered

○ Not Applicable

○ The specification prevents or does not support the implementation of authentication features.

○ The specification neither addresses authenticity nor prevents it.

○ The specification addresses the implementation of authenticity features but without specific provisions to enable it.

○ The specification introduces certain aspects that can contribute to enabling authenticity features.

◉ The specification explicitly addresses and enables the implementation of authenticity features.

* Justification

ETSI TS 119 512 allows time-stamp authority to be used. Typically, a time-stamp authority includes mechanisms to authenticate people who wants access to timestamped information. Thus, using time-stamp authority, it is possible to implement authenticity mechanisms to access shared information between organisations, for example.

ETSI TS 119 512:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

Data integrity

* A27 - To what extent information is protected against unauthorised changes?

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

Integrity defines that information is protected against unauthorized changes that are not perceptible to authorized users; some incidents of hacking compromise the integrity of databases and multiple resources.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification prevents or does not support the implementation of data integrity mechanisms /features.
- ○ The specification neither addresses data integrity nor prevents it.
- ○ The specification addresses data integrity but without specific provisions to enable it.
- ○ The specification introduces certain aspects that can contribute to enabling data integrity.
- ● The specification explicitly addresses and enables the implementation of features to guarantee data integrity.

* Justification

The ETSI EN 319 401 specification, which is complementary to ETSI TS 119 512, defines a mechanism to guarantee the that only authorised persons can make entries and changes to the stored data. Using this mechanism, data changes are limited to those who have permission to do so, therefore, it guarantees data integrity.

ETSI TS 119 512:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

ETSI EN 319 401:
https://www.etsi.org/deliver/etsi_en/319400_319499/319401/02.03.01_60/en_319401v020301p.pdf

Data accuracy

* A28 - To what extent does the specification ensure and enable data processing accuracy?

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

The accuracy and completeness of information systems and the data supported within the systems should be an

administration concern. The information which has been inappropriately changed or destroyed (by external or employees) can impact the organization. Each organization should make controls to provide that data entered into and saved in its automated files and databases are complete and accurate and provide the accuracy of disseminated data.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification prevents or does not support the implementation of data accuracy mechanisms/features.
- ○ The specification neither addresses data accuracy nor prevents it.
- ○ The specification addresses data accuracy but without specific provisions to enable it.
- ○ The specification introduces certain aspects that can contribute to enabling data accuracy.
- ● The specification explicitly addresses and enables the implementation of features to guarantee data accuracy.

* Justification

> The ETSI TS 119 512 specification is designed to specifies protocols for trust service providers providing long-term data preservation services of digital signatures and of general data. Using digital signatures or other mechanisms such as time-stamp tokens, data can be protected against unwanted changes. Therefore, when digitally signed data is exchanged by two or more entities, it is certain that they are accurate and have not been modified.
>
> ETSI TS 119 512:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

Access Control

* A29 - To what extent does the specification provide an access control mechanism?

EIF Recommendation 15: Define common security and privacy framework and establish processes for public services to ensure secure and trustworthy data exchange between public administrations and in interactions with citizens and businesses.

The principle of access control decides who must be able to access what. For example, it must be able to define that user A can view the data in a database, but cannot refresh them. User A can be allowed to create updates as well. An access-control mechanism can be installed to provide this. Access control is associated with two areas including role management and rule management. Role management applies on the user side, whereas rule management targets the resources side.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification does not provide access control mechanisms.
- ○ The specification neither addresses nor prevents access control mechanisms.
- ○ The specification addresses access control mechanisms but without specific provisions to enable them.
- ○ The specification introduces certain aspects that can contribute to enabling access control mechanisms.
- ● The specification explicitly foresees a set of requirements for the enabling of access control mechanisms.

* Justification

> ETSI TS 119 512 provides a framework for access control primarily in the context of electronic signatures and trust services. It defines mechanisms to ensure that only authorised entities can access certain resources or perform specific actions.

ETSI TS 119 512:

https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.01_60/ts_119512v010101p.pdf

Multilingualism

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* A30 - To what extent could the specification be used in a multilingual context?

EIF Recommendation 16: Use information systems and technical architectures that cater to multilingualism when establishing a European public service. Decide on the level of multilingualism support based on the needs of the expected users.

- ○ Not Answered
- ● Not Applicable
- ○ The specification cannot be used in a multilingual context.
- ○ The specification could be used in a multilingual context but has no specific provisions to facilitate this.
- ○ The specification foresees limited support for multilingualism.
- ○ The specification foresees support for multilingualism but this is not complete.
- ○ The specification is designed to fully support multilingualism.

* Justification

ETSI TS 119 512 is not related to multilingualism. Therefore this criterion is not applicable to this specification.

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

EIF FOUNDATION PRINCIPLES FOR COOPERATION AMONG PUBLIC ADMINISTRATIONS

This category includes the criteria aiming to evaluate principles related to collaboration amongst public organisations, business, and citizens. This is related to the underlying principles of administrative simplification (UP10), preservation of information (UP11), and assessment of effectiveness and efficiency (UP12).

Administrative Simplification

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* A31 - Does the specification simplify the delivery of European public services?

EIF Recommendation 17: Simplify processes and use digital channels whenever appropriate for the delivery of European public services, to respond promptly and with high quality to users' requests and reduce the administrative burden on public administrations, businesses and citizens.

A positive answer would cover every specification easing digitalisation and administratice simplification by for example helping an Identification service access a Digital Portfolio with citizens information.

○ Not Answered

○ Not Applicable

○ NO

● YES

*Justification

> The ETSI EN 319 401 specification, which is complementary to ETSI TS 119 512, is designed for the implementation of e-signature which allows administrations and stakeholders to exchange digital data reducing the amount of non-digital documents exchanged. Additionally, it fosters the reuse of data across borders, which as well takes part in the administrative burden reduction.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf
>
> ETSI EN 319 401 specification:
> https://www.etsi.org/deliver/etsi_en/319400_319499/319401/02.03.01_60/en_319401v020301p.pdf

*A32 - Does the specification enable digital service delivery channels?

EIF Recommendation 17: Simplify processes and use digital channels whenever appropriate for the delivery of European public services, to respond promptly and with high quality to users' requests and reduce the administrative burden on public administrations, businesses and citizens.

A positive answer would cover that a specification eases or provides better means of delivering public services as a good asset for digitalisation and administrative simplification. For instance, a specification directly related to API performance easing and improving the delivery of a Digital Public Service through an API.

○ Not Answered

○ Not Applicable

○ NO

● YES

*Justification

> ETSI TS 119 512 has been developed to enable the long-term preservation of electronic signatures, in which case it also includes the retrieval of these electronic signatures through a storage system. The features provided by this specification are considered very valuable in reducing the administrative burden, as it facilitates the storage and preservation of data, ensuring that document signatures remain valid over time.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Preservation of Information

*A33 - To what extent does the specification enable the long-term preservation of data/information /knowledge (electronic records included)?

EIF Recommendation 18: Formulate a long-term preservation policy for information related to European public services and especially for information that is exchanged across borders.

Relates to the capacity of the specification to contribute to the long-term preservation of information.

- ⦾ Not Answered
- ⦾ Not Applicable
- ⦾ The specification prevents or does not support long-term preservation.
- ⦾ The specification neither addresses the long-term preservation nor prevents it.
- ⦾ The specification addresses the long-term preservation of electronic resources (information, data, etc) in a limited manner.
- ⦾ The specification addresses long-term preservation of electronic resources (information, data, etc), but not in a complete manner.
- ⦿ The specification explicitly addresses and enables long-term preservation.

* Justification

> The ETSI TS 119 512 specification complements ETSI TS 119 511 and specifies protocols for trust service providers providing long-term data preservation services of digital signatures and of general data. Moreover, the preservation service may include a long-term storage, or a temporary storage. Thus, long-term preservation can be guaranteed with long-term storage service of the specification.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Assessment of Effectiveness and Efficiency

* A34 - To what extent are there assessments of the specification's effectiveness?

EIF Recommendation 19: Evaluate the effectiveness and efficiency of different interoperability solutions and technological options considering user needs, proportionality, and balance between costs and benefits.

Related to the degree to which the specification is effective while using it. There are indirect methods to determine that the specification is effective, for instance when a solution that has an effective performance and uses the specification to deliver the expected service.

Effectiveness: *the extent to which the specifications reach the expected action according to its purpose.*

- ⦾ Not Answered
- ⦾ Not Applicable
- ⦾ There are no such assessments.
- ⦾ There are such assessments that indirectly address the specification.
- ⦿ There are such assessments evaluating digital solutions' effectiveness that involve the specification.
- ⦾ There are such assessments addressing the specification and its effectiveness together with other specifications.
- ⦾ There are such assessments directly addressing the specification.

* Justification

> The specification performs effectively in accordance with the TR-ESOR middleware techincal guidelines. The goal of the TR-ESOR Guideline is to assist in the process of choosing and using suitable security measures for the preservation of evidence of signed electronic documents over long periods of time. TR-

ESOR details testing methodologies, including functional and security tests, that are necessary to evaluate the implementation of digital signatures. This includes examining signature creation, validation, and the management of keys.

TR-ESOR Preservation of Evidence of Cryptographically Signed Document:
https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidelines/TR03125/TR-03125_v1_2_2-main-doc.pdf?__blob=publicationFile&v=1

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A35 - To what extent are there assessments of the specification's efficiency?

EIF Recommendation 19: Evaluate the effectiveness and efficiency of different interoperability solutions and technological options considering user needs, proportionality, and balance between costs and benefits.

Related to the good use of time and resources not wasted unnecessarily by a specification being used. There are indirect methods to determine that the specification is efficient, for instance, a solution delivering a service with an efficient performance that uses the specification.

Efficiency: times and means needed to achieve the results using the specification.

- ◯ Not Answered
- ◯ Not Applicable
- ◯ There are no such assessments.
- ◯ There are such assessments that indirectly address the specification.
- ◉ There are assessments evaluating digital solutions' efficiency that involve the specification.
- ◯ There are such assessments addressing the specification and its efficiency together with other specifications.
- ◯ There are such assessments directly addressing the specification.

* Justification

The specification performs efficiently in accordance with the TR-ESOR middleware techincal guidelines. The goal of the TR-ESOR Guideline is to assist in the process of choosing and using suitable security measures for the preservation of evidence of signed electronic documents over long periods of time. The document outlines security requirements that implementations must meet, ensuring the integrity, authenticity, and non-repudiation of digital signatures.

TR-ESOR Preservation of Evidence of Cryptographically Signed Document:
https://www.bsi.bund.de/SharedDocs/Downloads/EN/BSI/Publications/TechGuidelines/TR03125/TR-03125_v1_2_2-main-doc.pdf?__blob=publicationFile&v=1

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

EIF INTEROPERABILITY LAYERS

This category is aligned with the related interoperability models described in the EIF and apply to all the public services. It includes six layers: interoperability governance, integrated public service governance, legal interoperability, organisational interoperability, semantic interoperability, and technical interoperability covered by criteria A2 to A10 under the Openness category.

Interoperability Governance

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* **A36 - Is the (or could it be) specification mapped to the European Interoperability Architecture (EIRA)?**
EIF Recommendation 20: Ensure holistic governance of interoperability activities across administrative levels and sectors.

The EIRA defines the required capabilities for promoting interoperability as a set of Architecture Building Blocks (ABBs). The association of specification to these ABBs means the capacity to enable Legal, Organisational, Semantic, or Technical aspects needed for the development of interoperable public services. This association can be taken from ELIS the EIRA Library of Interoperability Specifications (ELIS) but also can be established ad-hoc.

- ○ Not Answered
- ○ Not Applicable
- ○ NO
- ● YES

* Justification

> ETSI TS 119 512 is already associated to EIRA ABBs in the EIRA Library of Interoperability Specifications (ELIS). More specifically, ETSI TS 119 512 can define the interoperability aspects of the "e-Signature Creation", "e-signature Verification and Validation" and "e-Signature Preservation" ABBs of the EIRA Technical View.
>
> EIRA Library of Interoperability Specifications (ELIS):
> https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss /solution/elis/release/v610

* **A37 - To what extent can the conformance of the specification's implementations be assessed?**
EIF Recommendation 21: Put in place processes to select relevant standards and specifications, evaluate them, monitor their implementation, check compliance and test their interoperability.

Relates to the implementation of the specification being conformant with the requirements established in the text of the specification. There are different methods to ensure the conformance of an implementation: check manually if the implementation meets the requirements in the specification text (if any), use additional methods or resources provided to this purpose or use specific tools provided by the SDO developing the specification.

- ○ Not Answered
- ○ Not Applicable
- ○ The specification does not include a definition of conformance.
- ○ The specification defines conformance but not as a set of measurable requirements.
- ● The specification defines conformance as requirements that can be measured manually.
- ○ The specification defines conformance as requirements with resources to enable automated measurement.
- ○ The specification is complemented by a conformance testing platform to allow testing of implementations.

* Justification

> There has not been found any platform to test conformance to ETSI TS 119 512. Nonetheless, the specification lists a set of requirements needed to comply with in order to be conformant can be checked manually wether or not applied.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A38 - Is the specification recommended by a European Member State?

EIF Recommendation 23: Consult relevant catalogues of standards, specifications, and guidelines at the national and EU level, in accordance with your NIF and relevant DIFs, when procuring and developing ICT solutions.

Recommended specifications are these specifications that the Member States provide as examples for the implementation of certain digital public services or for being used when procuring these digital public services or solutions.

- ◯ Not Answered
- ◯ Not Applicable
- ◉ NO
- ◯ YES

* Justification

> Currently no European Member State is recomending ETSI TS 119 512 in its national catalogue.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A39 - Is the specification selected for its use in a European Cross-border project/initiative?

EIF Recommendation 23: Consult relevant catalogues of standards, specifications, and guidelines at national and EU level, in accordance with your NIF and relevant DIFs, when procuring and developing ICT solutions.

The European Commission set up a process for the identification and assessment of specifications for its use in the development of IT solutions and also when procuring them. Find here the commission implementing decisions that include the specifications identified by the European Commission: https://ec.europa.eu/growth/single-market/european-standards/ict-standardisation/ict-technical-specifications_en

Additionally, there could be other situations where a specification can be selected for European projects or initiatives out of the scope of the above-mentioned context. These specifications can be considered positively in this assessment.

- ◯ Not Answered
- ◯ Not Applicable
- ◯ NO
- ◉ YES

* Justification

ETSI TS 119 512 is being used in the eIDAS project, which focuses on the creation of e-signature services aiming to enable secure cross-border transactions. eIDAS is based on the Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market.

Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market:
https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2014.257.01.0073.01.ENG

ETSI TS 119 512 specification:
https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

eIDAS blog, New APIs for the eIDAS-Ecosystem:
https://blog.eid.as/tag/etsi-ts-119-512-en/

* A40 - Is the specification included in an open repository/catalogue of standards at national level?

EIF Recommendation 23: Consult relevant catalogues of standards, specifications, and guidelines at the national and EU level, in accordance with your NIF and relevant DIFs, when procuring and developing ICT solutions.

EIF Recommendation 6: Reuse and share solutions, and cooperate in the development of joint solutions when implementing European public services.

- ○ Not Answered
- ○ Not Applicable
- ● NO
- ○ YES

* Justification

Currently, no national catalogues of member States include ETSI TS 119 512.

CAMSS list of standads:
https://interoperable-europe.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/camss-list-standards

* A41 - Is the specification included in an open repository/catalogue of standards at European level?

EIF Recommendation 23: Consult relevant catalogues of standards, specifications, and guidelines at the national and EU level, in accordance with your NIF and relevant DIFs, when procuring and developing ICT solutions.

EIF Recommendation 6: Reuse and share solutions, and cooperate in the development of joint solutions when implementing European public services.

- ○ Not Answered
- ○ Not Applicable
- ○ NO
- ● YES

* Justification

ETSI is a European standards development organisation, and as such, all the specifications developed within the organisation are available and can be accessed through its website repository.

ETSI standards repository:

https://www.etsi.org/standards#page=1&search=ETSI%20TS%20319%20422&title=1&etsiNumber=1&content=1&version=0&onApproval=1&published=1&withdrawn=1&historical=1&isCurrent=1&superseded=1&startDate=1988-01-15&endDate=2022-07-25&harmonized=0&keyword=&TB=&stdType=&frequency=&mandate=&collection=&sort=1

Justification:

ETSI is a European standards development organisation, and as such, all the specifications developed within the organisation are available and can be accessed through its website repository.

ETSI standards repository:

https://www.etsi.org/standards#page=1&search=ETSI%20TS%20319%20422&title=1&etsiNumber=1&content=1&version=0&onApproval=1&published=1&withdrawn=1&historical=1&isCurrent=1&superseded=1&startDate=1988-01-15&endDate=2022-07-25&harmonized=0&keyword=&TB=&stdType=&frequency=&mandate=&collection=&sort=1

Additional information:

In case ypu need to add further clarifications.

Legal Interoperability

* A42 - Is the specification a European Standard?

EIF Recommendation 27: Ensure that legislation is screened by means of 'interoperability checks', to identify any barriers to interoperability. When drafting legislation to establish a European public service, seek to make it consistent with relevant legislation, perform a 'digital check', and consider data protection requirements.

European Standards are those standards developed by certain organisations dedicated to this purpose. CEN, CENELEC, and ETSI are the principal organisations and all of them are developing their standards under the basis of meeting the requirements established within the European Standardisation Regulation. CEN-CENELEC homepage: https://www.cencenelec.eu/

- ○ Not Answered
- ○ Not Applicable
- ○ NO
- ● YES

* Justification

ETSI TS 119 512 has been developed by the European Telecommunication Standards Institute (ETSI), an independent, not-for-profit, standardisation organisation in the field of information and communications.

About ETSI:

https://www.etsi.org/about/about-us

Organisational Interoperability

* A43 - Does the specification facilitate the modelling of business processes?

EIF Recommendation 28: Document your business processes using commonly accepted modelling techniques and agree on how these processes should be aligned to deliver a European public service.

- ◯ Not Answered
- ◯ Not Applicable
- ◯ NO
- ◉ YES

* Justification

> ETSI TS 119 512 can facilitate the modelling of business processes when it comes to defining the relationships among the preservation schemes, preservation profiles and their related policies on a given business-specific trust service.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

* A44 - To what extent does the specification facilitate organisational interoperability agreements?

EIF Recommendation 29: Clarify and formalise your organisational relationships for establishing and operating European public services.

Relates to specifications' capacities to help and ease the creation and formalisation of Interoperability agreements. E.g. Memorandums of Understanding (MoUs), Services Level Agreements (SLAs).

- ◯ Not Answered
- ◯ Not Applicable
- ◯ The specification's definition hinders the drafting of such agreements.
- ◯ The specification makes no provisions that would facilitate the drafting of such agreements.
- ◯ The specification defines certain elements to facilitate such agreements.
- ◯ The specification defines most elements to facilitate such agreements.
- ◉ The specification explicitly identifies all elements to be used in drafting such agreements.

* Justification

> ETSI TS 119 512 is a component derived from the actions implemented on the basis of the Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market. The aim of this regulation is to enhance interoperability when it comes to trust services of e-signatures in the European context.
>
> Regulation (EU) No 910/2014 of the European Parliament and of the Council of 23 July 2014 on electronic identification and trust services for electronic transactions in the internal market:
> https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=uriserv:OJ.L_.2014.257.01.0073.01.ENG

Semantic Interoperability

* A45 - Does the specification encourage the creation of communities along with the sharing of their data and results in national and/or European platforms?

EIF Recommendation 32: Support the establishment of sector-specific and cross-sectoral communities that aim to create open information specifications and encourage relevant communities to share their results on national and European platforms.

Relates to specifications that are narrowly related to the data/information being exchanged, its format, and structure. It would allow a common method/mechanism to improve its reuse and exchange removing possible limitations. An example of it could be RDF, which is used to describe information and its metadata using specific syntax and serialisation.

  ◯ Not Answered

  ◯ Not Applicable

  ◯ Yes, but at national or regional level.

  ◉ Yes, at European platforms.

* Justification

> There has not been found any community sharing their data and results on national platforms. However, ETSI TS 119 512 indirectly encourages the creation of communities on national platforms through ETSI membership and directives.
>
> ETSI TS 119 512 specification:
> https://www.etsi.org/deliver/etsi_ts/119500_119599/119512/01.01.02_60/ts_119512v010102p.pdf

Useful links

CAMSS Joinup Page (https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss)

CAMSS Library of Assessments (https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/camss-assessments-library)

CAMSS Assessment EIF Scenario - User Guide (https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/camss-assessment-eif-scenario/camss-assessment-eif-scenario-quick-user-guide)

Contact

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CAMSS Assessment EIF Scenario v6.0.0 - Results

CAMSS Assessment Result

Thank you for your contribution.

The score of the specification related to the scenario under which it is being evaluated depends on the scores achieved in each section of the survey. Please see the example below for guidance.

The following table shows the 'compliance levels' that a specification can reach depending on the assessment score.

EIF Scenario Compliance Level Conversion Table

Section	Ad-hoc	Opportunistic	Compliance Level Essential	Sustainable	Seamless
Principles setting the context for EU Actions on Interoperability	20	40	50	80	90
EIF Core Interoperability Principles	0 to 340	341 to 681	681 to 1020	1021 to 1360	1361 to 1700
EIF Principles Related to generic user needs and expectations	0 to 240	241 to 480	481 to 720	721 to 960	961 to 1200

EIF Foundation principles for cooperation among public administrations	0 to 100	101 to 200	201 to 300	301 to 400	401 to 500
EIF Interoperability Layers	0 to 200	201 to 400	401 to 600	601 to 800	801 to 1000

The table below expresses the range of the score per section. When used in combination with the table above, the total score can be interpreted. See the example below for guidance.

Section Compliance Conversion Table

Compliance Level	Description
Ad-hoc	Poor level of conformance with the EIF - The specification does not cover the requirements and recommendations set out by the EIF in this area.
Opportunistic	Fair level of conformance with the EIF - The specification barely covers the requirements and recommendations set out by the European Interoperability Framework in this area.
Essential	Essential level of conformance with the EIF - The specification covers the basic aspects set out in the requirement and recommendations from the European Interoperability Framework.
Sustainable	Good level of conformance with the EIF scenario - The specification covers all the requirements and recommendations set out by the European Interoperability Framework in this area.
Seamless	Leading practice of conformance level with the EIF - The specification fully covers the requirements and recommendations set out by the European Interoperability Framework in this area.

Example – How to find the final Compliance Level

Using the score reached after the initial assessment, the interpretation can be made as follows.

1. In the summary table, observe the score for each section, e.g. EIF Core Interoperability Principles has 1800 points.

2. In the middle table – the Section Compliance Conversion Table – see that this number correlates to a column. In our example, the 1800 points of Core Interoperability Principles fall in the EIF Core Interoperability Principles row, and '1441 to 1800' point range, placing it in the column 'Compliance **Seamless**'.

3. Next, in the top table – the EIF Scenario Compliance Level Conversion Table – we see Compliance Level "**Seamless**", and from its description that the specification for the EIF Core Interoperability Principles 'fully covers the requirements and recommendations set out by the European Interoperability Framework in this area.'.

For additional calculation of the assessment strength, please follow the instruction provided in the User Guide, found [here](#).

Summary:

Your Score	3940
Maximum Score	4502

Section	Score for this Section	
EIF PRINCIPLES SETTING THE CONTEXT FOR EU ACTIONS ON INTEROPERABILITY	20/100	
EIF CORE INTEROPERABILITY PRINCIPLES	1540 /1701	
EIF PRINCIPLES RELATED TO GENERIC USER NEEDS AND EXPECTATIONS	1160 /1200	
EIF FOUNDATION PRINCIPLES FOR COOPERATION AMONG PUBLIC ADMINISTRATIONS	420 /500	
EIF INTEROPERABILITY LAYERS	800 /1001	

Scores by Question:

EIF PRINCIPLES SETTING THE CONTEXT FOR EU ACTIONS ON INTEROPERABILITY

Score for this Section: 20/100

A1 - To what extent has the specification been included in a national catalogue from a Member State whose National Interoperability Framework has a high performance on interoperability according to National Interoperability Framework Observatory factsheets?

Your answer   ❌ The specification has not been included within the catalogue of any Member State.

20 out of 100 points

EIF CORE INTEROPERABILITY PRINCIPLES

Score for this Section: 1540/1701

A2 - Does the specification facilitate the publication of data on the web?

Your answer   ✔️ Not Applicable

100 out of 100 points

A3 - To what extent do stakeholders have the opportunity to contribute to the development of the specification?

Your answer   ✔️ The working group is open to all without specific fees, registration, or other conditions.

100 out of 100 points

A4 - To what extent is a public review part of the release lifecycle?

Your answer   ✔️ All major and minor releases foresee a public review during which collected feedback is publicly visible.

100 out of 100 points

A5 - To what extent do restrictions and royalties apply to the specification's use?

Your answer   ✔️ Use of the specification is royalty-free and its Intellectual Property Right (IPR) policy or licence is aligned with Fair, Reasonable and Non-Discriminatory (F/RAND) principles.

100 out of 100 points

Additional information

Your answer		0 out of 1 points

A6 - To what extent is the specification sufficiently mature for its use in the development of digital solutions/services?

Your answer	✔️ The specification, in addition to having major releases available, has published documentation on its supporting processes (e.g. change management and release management).	100 out of 100 points

A7 - To what extent has the specification sufficient market acceptance for its use in the development of digital solutions/services?

Your answer	✔️ The specification does not have market acceptance because it is directly used to create innovative solutions.	100 out of 100 points

A8 - To what extent has the specification support from at least one community?

Your answer	✔️ There is a community tasked to provide public support linked to the specification and manage its maintenance.	100 out of 100 points

A9 - To what extent does the specification enable the visibility of administrative procedures, rules data, and services?

Your answer	✔️ The specification can enable the visibility of administrations if combined with other specifications.	80 out of 100 points

A10 - To what extent does the specification scope comprehensibly administrative procedures, rules data, and services?

Your answer	✔️ The specification can scope the comprehensibility of administrations if combined with other specifications.	80 out of 100 points

A11 - To what extent does the specification enable the exposure of interfaces to access the public administration's services?

Your answer	✔️ The specification enables exposure of such interfaces.	100 out of 100 points

A12 - To what extent is the specification usable beyond the business-specific domain, allowing its usage across business domains?

Your answer   ✔ The specification is domain-agnostic, designed to be implemented and/or used in any domain.

100 out of 100 points

A13 - Is the specification technology agnostic?

Your answer   ✖ NO

20 out of 100 points

A14 - Is the specification platform agnostic?

Your answer   ✔ YES

100 out of 100 points

A15 - To what extent does the specification allow for partial implementations?

Your answer   ✔ The specification could be partially implemented but includes only guidelines towards this rather than sets of requirements.

60 out of 100 points

A16 - Does the specification allow customisation?

Your answer   ✔ YES

100 out of 100 points

A17 - Does the specification allow extension?

Your answer   ✔ YES

100 out of 100 points

A18 - To what extent does the specification enable data portability between systems/applications supporting the implementation or evolution of European public services?

Your answer   ✔ The specification explicitly addresses and enables data portability.

100 out of 100 points

EIF PRINCIPLES RELATED TO GENERIC USER NEEDS AND EXPECTATIONS

A19 - To what extent does the specification allow relevant information to be reused when needed?

Your answer	✔ Provided information is reused, but this is not consistently done.	60 out of 100 points

A20 - To what extent does the specification enable the e-accessibility?

Your answer	✔ Not Applicable	100 out of 100 points

A21 - To what extent does the specification ensure the protection of personal data managed by Public Administrations?

Your answer	✔ The specification explicitly addresses data protection and its alignment to relevant regulations.	100 out of 100 points

A22 - Does the specification provide means for restriction of access to information/data?

Your answer	✔ The specification explicitly addresses and enables the implementation of features to guarantee confidentiality.	100 out of 100 points

A23 - Is the specification included in any initiative at European or National level covering privacy aspects?

Your answer	✔ Yes, at European level.	100 out of 100 points

A24 - To what extent does the specification enable the secure exchange of data?

Your answer	✔ The specification explicitly addresses and enables the secure and trustworthy exchange of data.	100 out of 100 points

A25 - To what extent does the specification enable the secure processing of data?

| Your answer | ✔ The specification explicitly addresses and enables the secure and trustworthy processing of data. | 100 out of 100 points | |

A26 - To what extent the specification guarantees the authenticity and authentication of the roles agents involved in the data transactions?

| Your answer | ✔ The specification explicitly addresses and enables the implementation of authenticity features. | 100 out of 100 points | |

A27 - To what extent information is protected against unauthorised changes?

| Your answer | ✔ The specification explicitly addresses and enables the implementation of features to guarantee data integrity. | 100 out of 100 points | |

A28 - To what extent does the specification ensure and enable data processing accuracy?

| Your answer | ✔ The specification explicitly addresses and enables the implementation of features to guarantee data accuracy. | 100 out of 100 points | |

A29 - To what extent does the specification provide an access control mechanism?

| Your answer | ✔ The specification explicitly foresees a set of requirements for the enabling of access control mechanisms. | 100 out of 100 points | |

A30 - To what extent could the specification be used in a multilingual context?

| Your answer | ✔ Not Applicable | 100 out of 100 points | |

EIF FOUNDATION PRINCIPLES FOR COOPERATION AMONG PUBLIC ADMINISTRATIONS

Score for this Section: 420/500

A31 - Does the specification simplify the delivery of European public services?

| Your answer | ✔ YES | 100 out of 100 points |

A32 - Does the specification enable digital service delivery channels?

| Your answer | ✔ YES | 100 out of 100 points |

A33 - To what extent does the specification enable the long-term preservation of data/information /knowledge (electronic records included)?

| Your answer | ✔ The specification explicitly addresses and enables long-term preservation. | 100 out of 100 points |

A34 - To what extent are there assessments of the specification's effectiveness?

| Your answer | ✔ There are such assessments evaluating digital solutions' effectiveness that involve the specification. | 60 out of 100 points |

A35 - To what extent are there assessments of the specification's efficiency?

| Your answer | ✔ There are assessments evaluating digital solutions' efficiency that involve the specification. | 60 out of 100 points |

EIF INTEROPERABILITY LAYERS

Score for this Section: 800/1001

A36 - Is the (or could it be) specification mapped to the European Interoperability Architecture (EIRA)?

| Your answer | ✔ YES | 100 out of 100 points |

A37 - To what extent can the conformance of the specification's implementations be assessed?

| Your answer | ✔ The specification defines conformance as requirements that can be measured manually. | 60 out of 100 points |

A38 - Is the specification recommended by a European Member State?

Your answer	✖ NO	20 out of 100 points

A39 - Is the specification selected for its use in a European Cross-border project/initiative?

Your answer	✔ YES	100 out of 100 points

A40 - Is the specification included in an open repository/catalogue of standards at national level?

Your answer	✖ NO	20 out of 100 points

A41 - Is the specification included in an open repository/catalogue of standards at European level?

Your answer	✔ YES	100 out of 100 points

Additional information:

Your answer		0 out of 1 points

A42 - Is the specification a European Standard?

Your answer	✔ YES	100 out of 100 points

A43 - Does the specification facilitate the modelling of business processes?

Your answer	✔ YES	100 out of 100 points

A44 - To what extent does the specification facilitate organisational interoperability agreements?

| Your answer | ✔ The specification explicitly identifies all elements to be used in drafting such agreements. | 100 out of 100 points | |

A45 - Does the specification encourage the creation of communities along with the sharing of their data and results in national and/or European platforms?

| Your answer | ✔ Yes, at European platforms. | 100 out of 100 points | |

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Useful links	CAMSS Joinup Page
	CAMSS Library of Assessments
	CAMSS Assessment EIF Scenario - User Guide
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