

CAMSS Assessment EIF Scenario v5.0.0

Fields marked with * are mandatory.

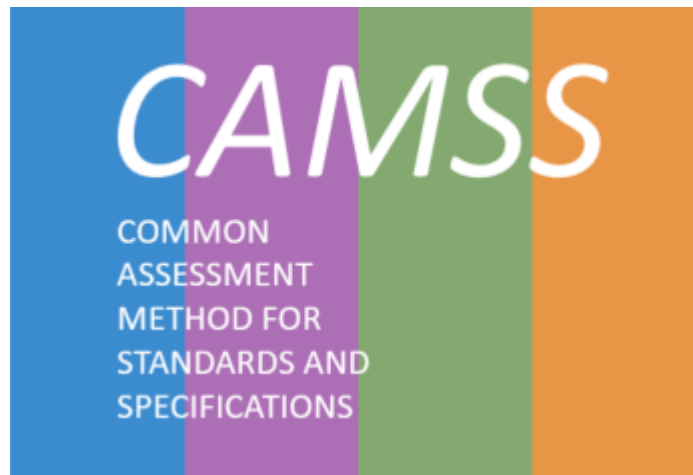
CAMSS Assessment EIF Scenario v5.0.0



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Scenario Version: 5.0.0

INTRODUCTION



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.

Section	Compliance Level				
	Ad-hoc	Opportunistic	Essential	Sustainable	Seamless
Principles setting the context for EU Actions on Interoperability	20	40	50	80	90
EIF Core Interoperability Principles	0 to 440	441 to 880	881 to 1320	1321 to 1760	1761 to 2200
EIF Principles Related to generic user needs and expectations	0 to 100	101 to 200	201 to 300	301 to 400	401 to 500
EIF Foundation principles for cooperation among public	0 to 100	101 to 200	201 to 300	301 to 400	401 to 500

administrations

EIF

Interoperability Layers

0 to 220

221 to 440

441 to 660

661 to 880

881 to 1100

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 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.

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 Tool 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.

CAMSS Tools are based on EU Survey, by accepting the CAMSS Privacy Statment 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 tool 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

Contact Email

DIGIT-CAMSS@eu.europa.eu

* 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

* Specificaton type

- Specification
- Standard
- Application Profile
- Family of Specification

* Title of the specification

WAI-ARIA

* Version of the specification

1.1

* Description of the specification

WAI-ARIA defines a way to make Web content and Web applications more accessible to people with disabilities.

* URL from where the specification is distributed

<https://www.w3.org/TR/wai-aria/>

* 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 Info

WAI-ARIA improves interoperability with assistive technologies to form a more consistent accessibility model for HTML5 and SVG2.

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

*** 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 uses 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-2020>

- 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**

There is no Member State that includes WAI-ARIA in their national catalogue with The National Interoperability Framework (NIF) in alignment with the three categories 1. Conceptual model for integrated public services provision, 2. interoperability layers, and 3. interoperability principles.

CAMSS List of Standards:

<https://joinup.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

*** A2 - Does the specification facilitate the publication of open data?**

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
- NO
- YES

* Justification

According to the 5 star Open Data model suggested by Tim Berners-Lee about how to publish linked data, the second star corresponds to the availability of data as structured data. WAI-ARIA is intended to be used to increase semantics in programming languages like HTML5 and vector image formats like SVG2, or to be used as an accessibility enhancement technology in other markup-based languages not including support for Accessible Rich Internet Applications (ARIA). Therefore, it eases the publication of open data.

WAI-ARIA reference, section 1.1:
<https://www.w3.org/TR/wai-aria/>

Tim Berners-Lee 5-star schema for Open Data:
<https://5stardata.info/en/>

A2(a) - To what extent does the specification facilitate the publication of public data as open data?

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

Relates to what degree of open data can reach the specification according to the main principles of 'open data'. These principles are stated by Tim Berners-Lee in the 5-Stars approach: <https://5stardata.info/en/>

- Not Answered
- Not Applicable
- The specification does not support the publication of data on the web, or does so but with a non-open licence.
- The specification supports publishing data on the web with an open licence 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).
- In addition to the requirements stated in the previous answer, the specification supports published data as Linked Data.

* Justification

According to the 5 star Open Data model suggested by Tim Berners-Lee about how to publish linked data, the second star corresponds to the availability of data as structured data. WAI-ARIA is a document-level markup language, therefore it structures data as any other mark-up languages (e.g. HTTP or XML).

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

Tim Berners-Lee 5-star schema for Open Data:
<https://5stardata.info/en/>

*** 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:

W3C has a defined and publicly available Process for the Development and approval process of the specification as a recommended standard. Also, a clear Release Notes tracking the changes of the different versions is archived.

W3C Process document:

<https://www.w3.org/2018/Process-20180201/#Policies>

Additional Information

In case you need to add further justification.

*** 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:

W3C has a defined and publicly available Process for the Development and approval process of the

specification as a recommended standard, including a public review.

W3C Process document:

<https://www.w3.org/2018/Process-20180201/#Policies>

Additional Information

In case you need to add further justification.

* A5 - Is the specification available with any restrictions related to Fair, Reasonable, and Non-Discriminatory ((F)RAND)?

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.

The FRAND basis relates to fair, reasonable, and non-discriminatory IPR disclosures.

- Not Answered
- Not Applicable
- NO
- YES

* Justification

The W3C Royalty-Free IPR licences granted under the W3C Patent Policy apply to all W3C specifications, including WAI-ARIA.

W3C Patent practice:

<https://www.w3.org/TR/patent-practice#ref-AC>

WAI-ARIA participation charter, section 8:

<https://www.w3.org/2018/11/aria-charter>

* A6 - Is the specification licensed on a royalty-free basis?

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
- NO
- YES

Justification:

The W3C Royalty-Free IPR licenses granted under the W3C Patent Policy apply to all W3C specifications, including this specification.

W3C Patent practice:
<https://www.w3.org/TR/patent-practice#ref-AC>

Additional Information

In case you need to add further justification.

* A7 - 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

As stated in the specification home page and in Joinup, the application is under development and has not reached a major release v2.0. Nonetheless, the new version of the specification (v1.1) is available since 2017 and it has overcome the existing issues from its first delivery (v1.0) in 2014, and a draft version of the following release (v1.2) is also available from December 2021.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

WAI-ARIA roadmap reference:

<https://www.w3.org/WAI/ARIA/roadmap>

Joinup WAI-ARIA reference:

<https://joinup.ec.europa.eu/collection/w3c-standards-and-technical-reports/solution/using-wai-aria-html/about>

* A8 - 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 being used to create innovative solutions.

- Not Answered
- Not Applicable - The specification does not have market acceptance because it is directly used to create innovative solutions.
- 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 has widespread use, indicating market acceptance.

* Justification

Several implementations are assessing the usefulness and exploring how the usage of this specification can enhance the accessibility to digital platforms. Some of them are React Aria and Mozilla. However, this does not extend to the European Public Service.

Mozilla reference, Accessibility section:

<https://developer.mozilla.org/en-US/docs/Web/Accessibility>

React Aria reference, home page:

<https://react-spectrum.adobe.com/react-aria/>

* **A9 - 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 are surrounding 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

There is the Accessible Rich Internet Applications Working Group (ARIA WG) which aims to develop technologies that improve the accessibility of web content for people with disabilities, which includes the continued development of WAI-ARIA. Participating in the WG requires a W3C account.

W3C has a defined and publicly available Process for the Development and approval process of the specification as a recommended standard. Also, a clear Release Notes tracking the changes of the different versions is archived.

ARIA Working Group reference:
<https://www.w3.org/WAI/ARIA/>

W3C Process document:
<https://www.w3.org/2021/Process-20211102/#groups>

Transparency

* A10 - 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

The French "General framework for improving accessibility" (RGAA) includes the WAI-ARIA specification in their e-accessibility policies. This implies a willingness to use this technology.

RGAA reference:
<https://www.numerique.gouv.fr/publications/rgaa-accessibilite/methode-rgaa/criteres/>

* A11 - 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

The Spanish "Accessibility Observatory" offers a methodology to ensure the monitoring and evolution of e-accessibility services, and includes WAI-ARIA as one of the elements reporting the current status of e-Accessibility in digital public services. The WAI-ARIA specification is implemented in this methodology and scopes comprehensibility of website contents when combined mainly with HTML.

PAe reference, Survey Methodology PDF:

https://administracionelectronica.gob.es/pae_Home/en/pae_Estrategias/pae_Accesibilidad/pae_Observatorio_de_Accesibilidad.html?idioma=en

*** A12 - 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 specification is intended to properly convey user interface behaviours and structural information to assistive technologies in document-level markup. The Spanish Public Administration, through the Observatory of Web Accessibility, is updating mobile user interfaces in all their services.

WAI-ARIA reference, Abstract section:

<https://www.w3.org/TR/wai-aria/>

PAe reference, 'Proceedings of the Observatory of Web Accessibility' section:

https://administracionelectronica.gob.es/pae_Home/en/pae_Estrategias/pae_Accesibilidad/pae_Observatorio_de_Accesibilidad.html?idioma=en

*** A13 - To what extent does the specification ensure the protection of personal data managed by Public Administrations?**

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

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

Assistive technologies convey suitable information to people with disabilities by introducing web widgets and structuring web content. In this sense, personal data protection is not addressed by this specification.

WAI-ARIA reference, Abstract section:
<https://www.w3.org/TR/wai-aria/>

Reusability

* **A14 - 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 used in other domains.
- The specification is associated with a specific domain but its use in other domains is difficult.
- The specification is associated with a specific domain but could be partially used in other domains.
- The specification is associated with a specific domain but could be used 'as-is' to other domains.
- The specification is domain-agnostic, designed to be used in any domain.

* Justification

WAI-ARIA was conceived for assistive web technologies. As it was created to enhance e-accessibility and to simplify web navigation, it can be used in any other domain as a visibility enhancement. It is the case of Google Extensions with which the user can customise web content by means of the HTML Document Object Model (HTML DOM).

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

WAI-ARIA Chrome Extension reference:
<https://developer.chrome.com/docs/extensions/mv3/a11y/#aria>

* **A15 - To what extent is the specification usable beyond the business-specific domain, allowing its implementation 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 in other domains.
- The specification is associated with a specific domain but its implementation in other domains is difficult.
- The specification is associated with a specific domain but could be partially implemented in other domains.
- The specification is associated with a specific domain but could be implemented 'as-is' to other domains.
- The specification is domain-agnostic, designed to be implemented in any domain.

* Justification

WAI-ARIA was conceived for assistive web technologies. Since this specification complements both HTML and SVG2, it can be implemented in any domain where one of these two other specifications coexist with. A good example is the Mozilla developer community, which has implemented this specification for HTML4 and HTML5, along with the functional specificities that characterise both implementations.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

Mozilla reference, ARIA section:

<https://developer.mozilla.org/en-US/docs/Web/Accessibility/ARIA>

Technological Neutrality and Data Portability

* **A16 - 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

Relates to the dependency of the specification to be implemented without relying on specific technologies or platforms.

- Not Answered
- Not Applicable
- NO
- YES

* Justification

The implementation of the specification relies on the HTML or SVG2 specifications. Therefore, WAI-ARIA is not technology-agnostic.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

* **A17 - 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

Relates to the dependency of the specification to be implemented without relying on specific technologies or platforms.

- Not Answered
- Not Applicable
- NO
- YES

* Justification

The implementation of the WAI-ARIA relies on specifications, such as HTML, and also on specialised APIs developed by some operating systems, such as the Microsoft Active Accessibility API. Dependence on these Accessibility APIs is a sign of platform dependence.

WAI-ARIA reference, section 1.1:
<https://www.w3.org/TR/wai-aria/>

* **A18 - 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 it defines in the text.

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

The roles, state and properties that are defined in this specification do not form a complete web language or format. The implementation of WAI-ARIA relies on the context of a host language, like HTML, and can be partially implemented.

WAI-ARIA Authoring Practice reference:
<https://www.w3.org/TR/wai-aria-practices/>

WAI-ARIA User Agent Implementation Guide:
<https://www.w3.org/TR/wai-aria-implementation/>

*** A19 - 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**

The specification enables developers to create custom widgets and other web application components.

WAI-ARIA reference, section 1:
<https://www.w3.org/TR/wai-aria/>

*** A20 - 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 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**

Extensibility is possible, as the specification documentation suggests the use of the Roles component of the specification to enable it.

WAI-ARIA reference, section 1.1:
<https://www.w3.org/TR/wai-aria/>

*** A21 - To what extent does the specification enable data portability between systems/applications supporting the implementation 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

This specification provides a conceptual model of roles, states and properties that can be used to increase the accessibility and interoperability of web content and web applications. In this sense, the specification eases the implementation process of European public services.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

* **A22 - To what extent does the specification enable data portability between systems/applications supporting the 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

This specification provides a conceptual model of roles, states and properties that can be used to increase the accessibility and interoperability of web content and web applications. In this sense, the specification eases the development of European public services.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

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

* **A23 - 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.

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

There is no reference to WAI-ARIA and a European use case explicitly stating that the specification allows relevant information and data to be reused. However, since WAI-ARIA can extend a host language, a grid can reuse the elements and attributes of an HTML table element.

WAI-ARIA reference, section 5.4, Grid subsection:
<https://www.w3.org/TR/wai-aria/>

Inclusion and Accessibility

* **A24 - 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

The purpose of WAI-ARIA is increasing accessibility of web content and applications for a large range of users, either with special needs or without disabilities. Therefore, this specification addresses and enables e-accessibility.

WAI-ARIA reference, section 1:
<https://www.w3.org/TR/wai-aria/>

Security and Privacy

* A25 - 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.

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

The purpose of WAI-ARIA is not related to the secure of data exchange. Therefore, this criterion is not applicable to this specification.

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

* A26 - 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

The purpose of WAI-ARIA is not related to the secure processing of data. Therefore, this criterion is not applicable to this specification.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

Multilingualism

* **A27 - 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

The purpose of WAI-ARIA is not related to the delivery of multilingual public services. Therefore, this criterion is not applicable to this specification.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

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

* A28 - 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.

- Not Answered
- Not Applicable
- NO
- YES

* Justification

WAI-ARIA enhances assistive technologies to interact with accessibility APIs and can restructure, simplify, stylise, or rescale content to help a different set of users.

WAI-ARIA reference, section 1.6:
<https://www.w3.org/TR/wai-aria/>

* A29 - 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.

- Not Answered
- Not Applicable
- NO
- YES

* Justification

WAI-ARIA is meant to augment semantics in languages such as HTML5 and SVG2, or to serve as an accessibility enhancement technology in other languages that do not specifically include support for ARIA. In this sense, customisation may evolve faster than other web host standards, enabling additional digital service delivery channels.

WAI-ARIA reference, section 1.4:
<https://www.w3.org/TR/wai-aria/>

Preservation of Information

* A30 - 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 purpose of WAI-ARIA is not related to long term preservation of electronic records. Therefore, this criterion is considered not applicable to this specification.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

Assessment of Effectiveness and Efficiency

* **A31 - 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 then 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

There is no such assessments addressing the effectiveness of the specification. This might be due to the early-stage development of the specification.

Besides, the ARIA initiative proposes tools and methods to evaluate e-accessibility. In this sense, in the future there might exist such reports.

WAI-ARIA github, issue tracking:
<https://github.com/w3c/aria-practices/issues/>

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

* A32 - 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

There is no such assessment addressing the efficiency of the specification. This might be due to the early-stage development of the specification.

Besides, the ARIA initiative proposes tools and methods to evaluate e-accessibility. In this sense, in the future there might exist such reports.

WAI-ARIA github, issue tracking:
<https://github.com/w3c/aria-practices/issues/>

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

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

*** A33 - 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**

WAI-ARIA is already associated with EIRA ABBs in the European Library Of Specifications (ELIS). More specifically, WAI-ARIA can define the interoperability aspects of the Human Interface ABB 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/v110>

*** A34 - 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**

The specification is complemented by a conformance testing platform to allow testing of implementations. Moreover, the ARIA initiative proposes tools and methods to evaluate such implementations.

WAI reference, Test & Evaluate:

<https://www.w3.org/WAI/test-evaluate/>

WAI-ARIA reference:
<https://www.w3.org/TR/wai-aria/>

*** A35 - Is the specification recommended by an 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**

One Member State is recommending WAI-ARIA as an accessibility standard. However, the specification is not listed in its ICT National Catalogue. This Member State is Spain.

CAMSS List of Standards:

<https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/camss-list-standards>

PAe Accessibility Standards reference:

https://administracionelectronica.gob.es/pae_Home/pae_Estrategias/pae_Accesibilidad/pae_normativa/pae_eInclusion_Normas_Accesibilidad.html?idioma=en

*** A36 - Is the specification selected for its use in an 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**

No formal agreements have been found established between organisations or administrations involved in European public service provision including the usage of WAI-ARIA.

ICT Technical Specifications reference:

https://ec.europa.eu/growth/single-market/european-standards/ict-standardisation/ict-technical-specifications_en

*** A37 - 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**

WAI-ARIA is not included in any Member States' catalogues of recommended specifications.

CAMSS List of Standards:

<https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/camss-list-standards>

*** A38 - 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**

There is no evidence of the inclusion of WAI-ARIA in an open repository/catalogue of standards at European level.

EUOS repository of standards:

<https://www.standict.eu/standards-repository>

CENELEC and CEN search tool catalogue:

<https://standards.cencenelec.eu/dyn/www/f?p=CEN:105::RESET:::>

Legal Interoperability

*** A39 - 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**

After checking the different standard catalogues at supra-national level, there is no evidence of WAI-ARIA as a European standard.

ICT technical specifications:

https://ec.europa.eu/growth/single-market/european-standards/ict-standardisation/ict-technical-specifications_en

CENELEC and CEN search tool catalogue:

<https://standards.cencenelec.eu/dyn/www/f?p=CEN:105::RESET::::>

Organisational Interoperability

*** A40 - 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**

The purpose of WAI-ARIA is not related to the modelling of business processes. Therefore, this criterion is not applicable to the specification.

WAI-ARIA reference:

<https://www.w3.org/TR/wai-aria/>

*** A41 - 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**

CIRCABC (Communication and Information Resource Centre for Administrations, Businesses and Citizens) is a collaborative platform that enables administrations, businesses and citizens to manage and share resources in private workplaces. This platform includes the WAI-ARIA specification, which is meant to facilitate the organisational aspects of this platform.

CIRCABC reference:

<https://joinup.ec.europa.eu/collection/communication-and-information-resource-centre-administrations-businesses-and-citizens-circabc/solution/circabc/about>

Semantic Interoperability

*** A42 - Does the specification encourage the creation of communities along with the sharing of their data and results on national 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
- NO
- YES

*** Justification**

WAI-ARIA has the Web Accessibility Initiative - Communities of Practice (WAI-COOP) platform for sharing results and best practices. Therefore, the specification encourages the creation of open information about the specification and encourages relevant communities from the EU to share their results; therefore, this

platform also extends at national level.

WAI-COOP reference:

<https://www.w3.org/WAI/about/projects/wai-coop/>

*** A43 - Does the specification encourage the creation of communities along with the sharing of their data and results on 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
- NO
- YES

*** Justification**

WAI-ARIA has the Web Accessibility Initiative - Communities of Practice (WAI-COOP) platform for sharing results and best practices. Therefore, the specification encourages the creation of open information about the specification and encourages relevant communities to share their results at the European level.

WAI-COOP reference:

<https://www.w3.org/WAI/about/projects/wai-coop/>

Useful links

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

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

[CAMSS Assessment EIF Scenario - User Guide \(https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/camss-assessment-eif-scenario/camss-assessment-eif-scenario-quick-user-guide\)](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 v5.0.0 - 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	Compliance Level				
	Ad-hoc	Opportunistic	Essential	Sustainable	Seamless
Principles setting the context for EU Actions on Interoperability	20	40	50	80	90
EIF Core Interoperability Principles	0 to 440	441 to 880	881 to 1320	1321 to 1760	1761 to 2200
EIF Principles Related to generic user needs and expectations	0 to 100	101 to 200	201 to 300	301 to 400	401 to 500

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 220 221 to 440 441 to 660 661 to 880 881 to 1100

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 2200 points.
2. In the middle table – the Section Compliance Conversion Table – see that this number correlates to a column. In our example, the 2200 points of Core Interoperability Principles fall in the EIF Core Interoperability Principles row, and '1761 to 2200' 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 3500

Maximum Score 4400



Section	Score for this Section	
EIF PRINCIPLES SETTING THE CONTEXT FOR EU ACTIONS ON INTEROPERABILITY	20/100	
EIF CORE INTEROPERABILITY PRINCIPLES	1880 /2200	
EIF PRINCIPLES RELATED TO GENERIC USER NEEDS AND EXPECTATIONS	460 /500	
EIF FOUNDATION PRINCIPLES FOR COOPERATION AMONG PUBLIC ADMINISTRATIONS	380 /500	
EIF INTEROPERABILITY LAYERS	760 /1100	

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: 1880/2200

A2 - Does the specification facilitate the publication of open data?

Your answer **✔** YES

100 out of 100 points



A2(a) - To what extent does the specification facilitate the publication of public data as open data?

Your answer **✔** In addition to the requirements stated in the previous answer, the specification supports published data as Linked Data.

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 - Is the specification available with any restrictions related to Fair, Reasonable, and Non-Discriminatory ((F)RAND)?

Your answer YES

100 out of 100 points



A6 - Is the specification licensed on a royalty-free basis?

Your answer YES

100 out of 100 points



A7 - To what extent is the specification sufficiently mature for its use in the development of digital solutions/services?

Your answer The specification is under development with published preview releases.

60 out of 100 points



A8 - To what extent has the specification sufficient market acceptance for its use in the development of digital solutions/services?

Your answer The specification has known implementations but not enough to indicate market acceptance.

40 out of 100 points



A9 - 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



A10 - To what extent does the specification enable the visibility of administrative procedures, rules data, and services?

Your answer The specification actively promotes and supports visibility.

100 out of 100 points



A11 - 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



A12 - 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



A13 - To what extent does the specification ensure the protection of personal data managed by Public Administrations?

Your answer Not Applicable

100 out of 100 points



A14 - 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 used in any domain.

100 out of 100 points



A15 - To what extent is the specification usable beyond the business-specific domain, allowing its implementation across business domains?

Your answer The specification is domain-agnostic, designed to be implemented in any domain.

100 out of 100 points



A16 - Is the specification technology agnostic?

Your answer NO

20 out of 100 points



A17 - Is the specification platform agnostic?

Your answer NO

20 out of 100 points



A18 - 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



A19 - Does the specification allow customisation?

Your answer YES

100 out of 100 points



A20 - Does the specification allow extension?

Your answer YES

100 out of 100 points



A21 - To what extent does the specification enable data portability between systems/applications supporting the implementation of European public services?

Your answer The specification explicitly addresses and enables data portability.

100 out
of 100
points



A22 - To what extent does the specification enable data portability between systems/applications supporting the 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

Score for this Section: 460/500

A23 - 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



A24 - To what extent does the specification enable the e-accessibility?

Your answer The specification explicitly addresses and enables e-accessibility.

100 out
of 100
points



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

Your answer Not Applicable

100 out
of 100
points



A26 - To what extent does the specification enable the secure processing of data?

Your answer Not Applicable

100 out
of 100
points



A27 - 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: 380/500

A28 - Does the specification simplify the delivery of European public services?

Your answer YES

100 out
of 100
points



A29 - Does the specification enable digital service delivery channels?

Your answer YES

100 out
of 100
points



A30 - To what extent does the specification enable the long-term preservation of data/information /knowledge (electronic records included)?

Your answer Not Applicable

100 out
of 100
points



A31 - To what extent are there assessments of the specification's effectiveness?

Your answer There are such assessments that indirectly address the specification.

40 out
of 100
points



A32 - To what extent are there assessments of the specification's efficiency?

Your answer There are such assessments that indirectly address the specification.

40 out
of 100
points



EIF INTEROPERABILITY LAYERS

Score for this Section: 760/1100

A33 - Is the (or could it be) specification mapped to the European Interoperability Architecture (EIRA)?

Your answer YES

100 out
of 100
points



A34 - To what extent can the conformance of the specification's implementations be assessed?

Your answer The specification is complemented by a conformance testing platform to allow testing of implementations.

100 out of 100 points



A35 - Is the specification recommended by an European Member State?

Your answer YES

100 out of 100 points



A36 - Is the specification selected for its use in an European Cross-border project/initiative?

Your answer NO

20 out of 100 points



A37 - Is the specification included in an open repository/catalogue of standards at national level?

Your answer NO

20 out of 100 points



A38 - Is the specification included in an open repository/catalogue of standards at European level?

Your answer NO

20 out of 100 points



A39 - Is the specification a European Standard?

Your answer NO

20 out of 100 points



A40 - Does the specification facilitate the modelling of business processes?

Your answer Not Applicable

100 out of 100 points



A41 - To what extent does the specification facilitate organisational interoperability agreements?

Your answer The specification defines most elements to facilitate such agreements.

80 out of 100 points



A42 - Does the specification encourage the creation of communities along with the sharing of their data and results on national platforms?

Your answer YES

100 out of 100 points



A43 - Does the specification encourage the creation of communities along with the sharing of their data and results on European platforms?

Your answer  YES

100 out
of 100
points



Contact DIGIT-CAMSS@ec.europa.eu

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[CAMSS Assessment EIF Scenario - User Guide](#)

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