

European Commission

CAMSS

COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS

inter europe

Tallinn Declaration *Overview*



METHOD FOR STANDARD AND SPECIFICATIONS

The Tallinn Declaration compels the Member States to take steps towards the interoperability by default

Interoperability by default



"We confirm our commitment to the vision laid out in the EU eGovernment Action Plan 2016-2020 and in the European Interoperability Framework [...] to strive to be open, efficient and inclusive, providing borderless, interoperable, personalised, user-friendly, end-to-end digital public services to all citizens and businesses – at all levels of public administration." (p.3) In this regard, MS will:

"Make use of open source solutions and/or open standards when (re)building ICT systems and solutions (among else, to avoid lock-ins), including those developed and/or promoted by EU programmes for interoperability and standardisation, such as ISA²." (p.6)

"Modernise the design of public services, **procurement** and contracting arrangement to make them compatible with modern and agile ways of developing and deploying digital technology." (p.7)

"Increase the **digital leadership skills** among top civil and public servants and digital skills more widely within the public administration at all levels." (p.7)

EIF Storyline Overview



EIRA supports EIF Implementation



COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS



DECISION (EU) 2015/2240 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

The Common Assessment Method for Standards and Specifications (CAMSS)

Do you struggle dealing with standards?



COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS

5





SPECIFICATIONS

The context



ISA² Programme: From January 2016 to December 2020, this programme has put in place, supported and operated public services and common frameworks for its main beneficiaries, namely public administrations at EU, national, regional and local level, as well as citizens and businesses interacting with those administrations.



Digital Europe Programme: From Jan 2021 to December 2027, that aims at accelerating the recovery and driving the digital transformation of Europe.



EIF: The Commission adopted the European Interoperability Framework (EIF) on the 16th of December 2010. According to the EIF, "decisions on what formalised specifications and technologies to use to ensure interoperability for European public services should be based on transparency, fairness and non-discrimination. One way to do this is to agree on a common assessment methodology and selection process".



EIRA: The European Interoperability Reference Architecture (EIRA) is an architecture content metamodel defining the most salient architectural building blocks (ABBs) needed to build interoperable eGovernment systems. It is an action created and maintained in the context of the ISA² Programme.



Interoperable Europe Act: The regulation aims to set up a new cooperation framework for EU public administrations to ensure the seamless delivery of public services across borders, and to provide for support measures promoting innovation and knowledge exchange. It establishes an interoperability governance structure with a view to creating an ecosystem of shared interoperability solutions for the EU's public sector.

The need

- (1)
- The business need of cross-Administration and cross-border services require that services can interact with each other with ease and hence avoid creating new electronic barriers between administrations.
- Need for public administrations to engage in public procurement of ICT solutions that require cross-administration or cross-border functionalities (plan (2)interoperability architectures).
- 3 Need for formalised specifications in public procurement to avoid vendor lock-in situations.
- (4)Need for interoperability assessments and the share of interoperability solutions for the EU's public sector as laid out by the Interoperable Europe Act.



CAMSS is an established European guide for assessing and selecting standards and specifications for eGovernment projects. It can be used as a reference when building an ICT architecture and for justifying the selection of standards and specifications. For this purpose, CAMSS offers a set of solutions, assets and specifications.



7

What's CAMSS? Support for the Interoperable Europe Act

CAMSS COMMON ASSESSMENT METHOD FOR STANDARDS

AND SPECIFICATIONS

CAMSS contribution to the effective implementation of the Interoperable Europe Act



8

What's CAMSS? CAMSS Users





What's CAMSS? CAMSS Solutions



COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS

	CAMSS Assessment	The evidence supporting the compliance of a technical specification with a reference framework.
	CAMSS Assessment EIF Scenario	This CAMSS Scenario allows to assess the compliance of interoperability specifications with the EIF.
	CAMSS Assessment MSP Scenario	This CAMSS scenario is dedicated to the assessment of formal specifications in the context of public procurement.
	CAMSSaaS (CAMSS as a Service)	A service through which users can request assessments free of charge.
	ELIS (EIRA© Library of Interoperability Specifications)	A collection of specifications to define the interoperability requirements of a Solution categorised using the EIRA's Architecture Building Blocks.
	CSSV (Core Standards and Specifications Vocabulary)	The core vocabulary used to describe specifications and standards.
	CAV (Core Assessment Vocabulary)	The core vocabulary used to describe assessments.
	ELAP (EIRA Library of architecture principles)	The EIRA library of architecture principles (ELAP) is intended to direct government organizations in initiating changes and implementing IT projects.
	ELAP Validator	The ELAP Validator allows for the conformance testing of a designed solution against the principles and guidelines of ELAP.
10	CAMSS Incompatibility Scenario	The CAMSS Incompatibility Scenario aims to evaluate whether integrating a new specification or standard into an existing environment could potentially hinder its interoperability.

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

What's CAMSS? CAMSS Assets



CAMSS Assessment Library	Catalogue of the assessments produced using CAMSS Tools. Each assessment constitutes a CAMSS Solution and is fully reusable.
CAMSS List of Standards	List with all the standards and technical specifications recommended by the Member States of the EU.
CAMSS Change Management Process	Process to formalise how requests for changes and the development of new releases of CAMSS are managed.
CAMSS RDF Conversor	Transformation tool developed in Python for the transformation of the CAMSS Assessments (EIF, MSP) in Excel format to RDF formats.
CAMSS Specifications Graph	Data set of assertions on individuals belonging to the Core Standards and Specifications Vocabulary (CSSV). Simplifying, the description of standards and specifications using the CSSV.
CAMSS Assessment Graph	Data set containing the assertions of all assessments produced with the CAMSS method.

What's CAMSS? CAMSS Assessments





CAMSS Assessments EIF Scenario

The CAMSS Assessment EIF Scenario contains different sections according to the insights and recommendations of the European Interoperability Framework (EIF). This CAMSS Scenario allows for the assessment of 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.

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https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/camss-assessment-eif-scenario

CAMSS Assessments EIF Scenario Value Proposition

(CAMSS)



CAMSS Assessments MSP Scenario

This CAMSS scenario is dedicated to the assessment of formal specifications in the context of public procurement. The criteria used are laid out in the Annex II of the regulation on standardisation 1025_2012 as requirements for the identification of ICT technical specifications for their use in procurement. This scenario is used to support the Multi-Stakeholder platform for European Standardisation on the identification of technical specifications.

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15

CAMSS Assessments MSP Scenario Value Proposition



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https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/camss-assessment-msp-scenario

CAMSS Assessment Incompatibility Scenario

The CAMSS Incompatibility Scenario aims to evaluate whether integrating a new specification or standard into an existing environment could potentially hinder its interoperability. This scenario helps determine the impact of introducing new digital business capabilities or adapting to new interoperability requirements by examining how the new specification might affect the current system's ability to exchange data and information effectively.

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Incompatibility Scenario solution

CAMSS Assessment Incompatibility Scenario Value Proposition



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CAMSS as CAMSSaa	s s Service
CAMSSaaS solution CAMSS	"CAMSSaaS is the service provided by CAMSS for th assessments on demand"

vided by CAMSS for the execution and review of essments on demand" Request the service at: DIGIT-CAMSS@ec.europa.eu

COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS

There are 3 modalities of service:

\bigcirc	CAMSS Assessment		
	In this modality the user requests the CAMSS Team to perform the assessment of a technical specification.		
\bigcirc	CAMSSaaS Content Review		
2	In this modality the user requests the CAMSS Team to review an already performed assessment. The CAMSS Team will perform an in-depth review of the information, improving the answers of the user when need and challenging them in order to strengthen the quality of the assessment as much as possible.		
\frown	CAMSSaaS Compliance Review		
3	In this modality the user requests the CAMSS Team to review an already performed assessment. The CAMSS Team will perform a review of the assessment in order to determine if it has been properly filled, not challenging the actual content of it.		

https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/camss-service-camssaas

CAMSS as s Service *CAMSSaaS*



METHOD FOR STANDARD AND SPECIFICATIONS

"CAMSSaaS is the service provided by CAMSS for the execution and review of assessments on demand"



Request the service at: DIGIT-CAMSS@ec.europa.eu

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2

3

CAMSSaaS Value Proposition





21

ELIS EIRA Library of Interoperability Specifications

ELIS sourt The EIRA Library of Interoperability Specifications (ELIS) contains and extensively documents the specifications describing the interoperability requirements of the different EIRA v5.0.0 architecture building blocks. As an element of the EIRA, the ELIS constitutes a tool for supporting architects on the process of modelling EIRA-based solutions.

"The ELIS is a modelling tool-agnostic but not architecture-agnostic library of interoperability specification"

The ELIS is implemented by CarTool, and its metrics can be consulted over time in the following link: CAMSS

COMMON ASSESSMENT METHOD FOR STANDARD AND SPECIFICATIONS





https://joinup.ec.europa.eu/collection/common-assessment-method-standards-andspecifications-camss/solution/elis









The CSSV is the vocabulary used for the information exchange related to standards and specifications amongst software solutions, and also for the description of themselves like EIRA, CPSV, IMAPS, amongst other specifications. The CSSV is the key element for the development of the EIRA Library of Interoperability Specifications (ELIS).

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https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/core-standards-and-specifications-vocabulary-cssv

CSSV Value Proposition







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The Core Assessment Vocabulary represents and defines what an "Assessment" of "assets" is and how to perform the assessment based on "Criteria". It is a domain-agnostic vocabulary, meaning that it can be used to assess any type of assets.



https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/core-assessment-vocabulary-cav







The ELAP is a library intended to direct government organizations in initiating changes and implementing IT projects. The principles are described in relation to relevant policy frameworks, established standards, building blocks and examples that are already available, so that they are as recognisable as possible in practice.

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This library is implemented in the CarTool in the same way the EIRA Library of Interoperability Specifications (ELIS) is. In addition, ELAP will be also accessible through the CAMSS collection in Joinup.





The **ELAP Validator** is a comprehensive tool developed to **address a variety of needs in the design and implementation of interoperability solutions** within public institutions in Europe. The ELAP Validator allows for the conformance testing of a designed solution against the principles and guidelines of ELAP



https://joinup.ec.europa.eu/collection/common-assessment-method-standards-and-specifications-camss/solution/elap-validator

ELAP and ELAP Validator Value Proposition







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