

ASSESSMENT SUMMARY v1.0.0

Core Public Service Vocabulary Application Profile (CPSV-AP)¹

Semantic Interoperability Community (SEMIC)²

¹ <https://joinup.ec.europa.eu/collection/semantic-interoperability-community-semic/solution/core-public-service-vocabulary/about>

² <https://joinup.ec.europa.eu/collection/semantic-interoperability-community-semic/about>

Change Control

Modification		Details	
Version 1.0.0			
Initial version			

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1. INTRODUCTION

The present document is a summary of the assessment of the **Core Public Service Vocabulary Application Profile** carried out by CAMSS using the CAMSS EIF assessment scenario. The purpose of this scenario is assessing the compliance of a standard or specification with the European Interoperability Framework (EIF)³.

2. ASSESSMENT SUMMARY

The **Core Public Service Vocabulary Application Profile** is a simplified, reusable and extensible data model that captures the fundamental characteristics of a service offered by public administration. It is the basis for the European Catalogue of Services, which aims to facilitate access to public services to different stakeholders.

2.1. Interoperability Principles

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

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

- **Subsidiarity and proportionality**

There is no Member State that includes the CPSV-AP in their national catalogue with the National Interoperability Framework (NIF) aligned with at least 4 out of 5 sections of the European Interoperability Framework (EIF) according to the National Interoperability Framework Observatory (NIFO) factsheets.

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

- **Openness**

The CPSV-AP is publicly available for everyone to study or use at Joinup. Also, the process for the development of the specifications allows the participation of all stakeholders. Moreover, since it has been selected as the backbone of the Catalogue of Services at the European Level, it is demonstrated its use and maturity for the development of products and services.

Additionally, as all the solutions developed in ISA² Programme are under ISA Open Metadata Licence which is perpetual, royalty-free and non-exclusive license to Use and re-Use the Works.

- **Transparency**

The specifications provide a common data model for describing the services of public organisations in the European Union. By improving the discoverability and helping to make available public services, it fosters the visibility of public administrations data and services.

³ https://ec.europa.eu/isa2/eif_en

- **Reusability**
CPSV-AP is a business domain agnostic specification that can be reused in a cross-domain for the description of all types of services provided by public administrations. Moreover, it is available for its use and implementation at the Joinup platform with all its documentation. The application profile can be found for free along within the European Collaborative Platform, Joinup.
- **Technological neutrality and data portability**
The CPSV-AP can be used independently of any software or platform. Moreover, helping the harmonisation of public service description stored in information resources fosters the data portability and information exchange. Therefore, the specification helps to the proper development of European Public Services.

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

- **User-centricity**
By allowing the reuse and improve the shareability of services and the information provided, the CPSV-AP fosters the development of eGovernment and the implementation of the Once-Only Principle.
- **Inclusion and accessibility**
The purpose of CPSV-AP is not related to e-accessibility. Therefore, this criterion is considered not applicable to this specification.
- **Security and privacy**
The CPSV-AP is not directly related to ensuring a trustworthy data exchange. However, it could be part of the mechanisms for the reliability of the data exchanged.
- **Multilingualism**
By allowing the use of datatype “text” that can be codified in the different languages used in the European Union, it fosters the provision of multilingual across-borders.

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

- **Administrative Simplification**
By making Services more discoverable, and ease the availability of them for businesses, citizens, and other public administrations the CPSV-AP fosters the digitisation of the administration and services reducing administrative burden.
- **Preservation of information**
The purpose of CPSV-AP is not related to long term preservation of electronic records. Therefore, this criterion is considered not applicable to this specification.

- **Assessment of effectiveness and efficiency**

After carrying out information retrieval, no document or study has been found assessing the CPOV in terms of efficiency or effectiveness. However, there is an article showing the usefulness of the CPSV-AP for the publication of linked open data from public organisations⁴.

2.2. Interoperability Layers

The interoperability model which is applicable to all digital public services includes:

- Four layers of interoperability: legal, organisational, semantic and technical;
- A cross-cutting component of the four layers, 'integrated public service governance';
- A background layer, 'interoperability governance'.

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

- **Interoperability governance**

This specification can be mapped with the EIRA's ABBs from the semantic view "Core Data Model", and "Data". However, the CPSV-AP is only recommended within the Belgian list of standards.

Also, the CPSV-AP is the backbone of the European Catalogue of Service developed by the ISA2 action "Catalogue of Services". It is used for the description of public services in a common way, fostering its reuse and discoverability across-borders, fostering the collaboration and free movement amongst European countries.

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

The specification is commonly used and accepted as the basis for the Catalogue of Services, whose purpose is to make available and ease to discover the different public services offered across borders. However, no assessment verifying the compliance of CPSV-AP with the European standardisation regulation has been found.

- **Organisational interoperability**

CPSV-AP is not aimed to foster organizational interoperability. The purpose of the specification is not related to the topic.

- **Semantic Interoperability**

The Core Public Service Vocabulary Application Profile provides a common data model for the description of basic aspects of the public services provided by public administrations. By providing a standardised method for the description and reuse of information in human and machine-readable formats, it fosters the publication of data as linked open data.

⁴<https://www.researchgate.net/publication/325495548> On using the core public sector vocabulary CPSV to publish a citizen's guide as linked data

- **Technical interoperability**

This technical interoperability layer is covered by the core interoperability principle "Openness".

3. ASSESSMENT RESULTS

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

Category	Automated Score	Assessment Strength	# Favourable	# Unfavourable	# Not Applicable
Principle setting the context for EU actions on interoperability	0%	100%	0	1	0
Core interoperability principles	100%	95%	18	0	1
Principles related to generic user needs and expectations	100%	50%	2	0	2
Foundation principles for cooperation among public administrations	50%	67%	1	1	1
Interoperability layers*	90%	91%	18	2	2
Overall Score	88%	85%	29	4	6

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

With a 85% of assessment strength, this assessment can be considered representative of the specification compliance with the EIF principles and recommendations.

The Overall Automated Score of 88% demonstrates that the specification supports the European Interoperability Framework in the domains where it applies.

INTEROPERABILITY PRINCIPLES

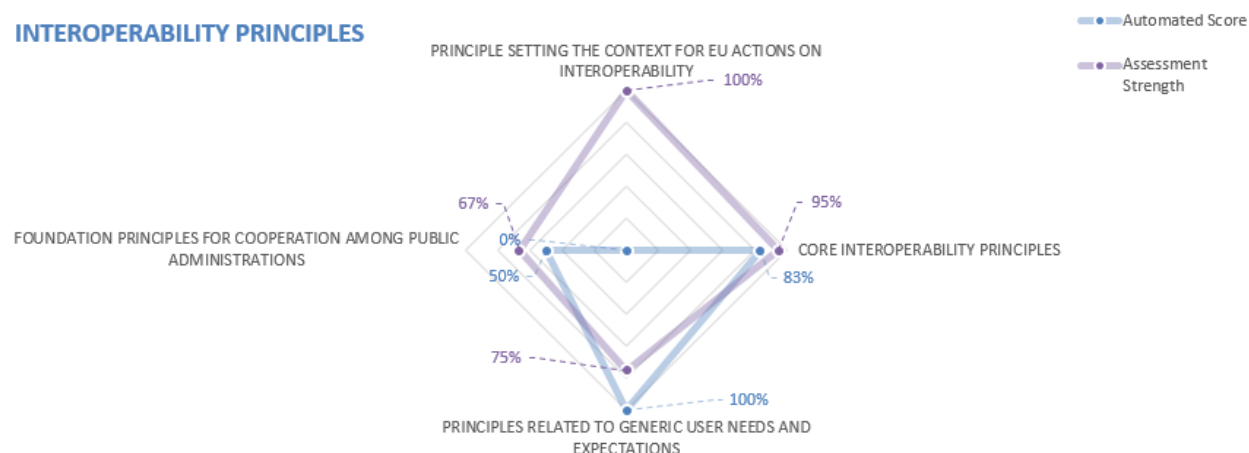


Figure 1. Interoperability principles Results

INTEROPERABILITY LAYERS

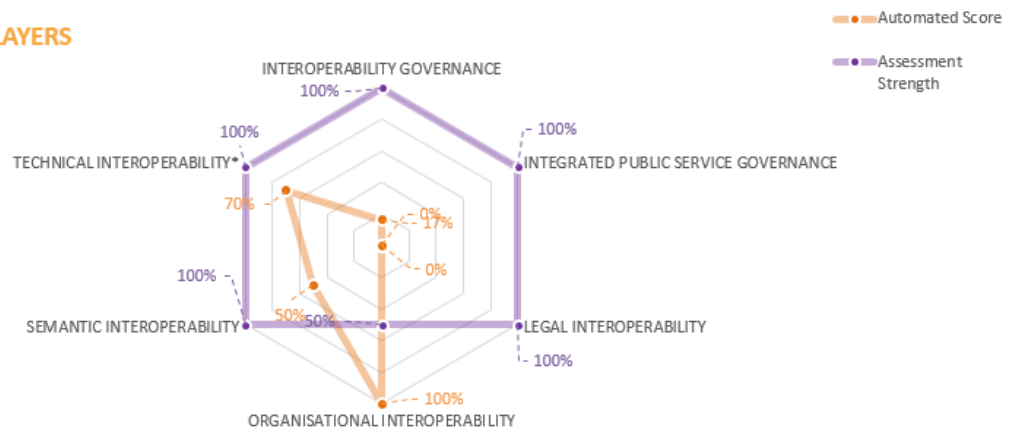


Figure 2. Interoperability layers Results