CAMSS
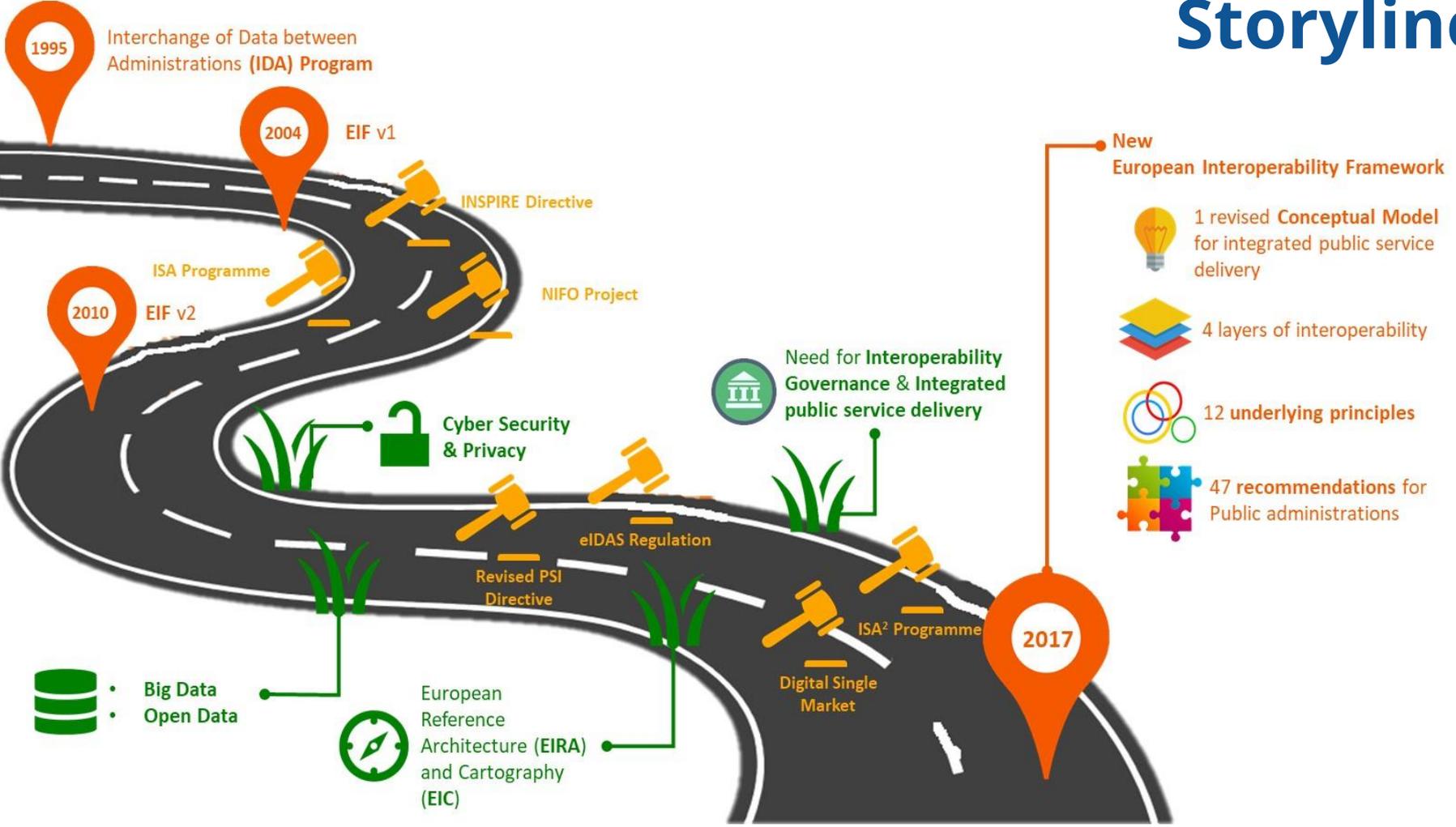
ISA² - Action 2016.27

Common Assessment Method for

Standards and Specifications

CAMSS

COMMON
ASSESSMENT
METHOD FOR
STANDARDS AND
SPECIFICATIONS

European Commission

European Commission

EIF Overview
Storyline

1995 Interchange of Data between Administrations **(IDA) Program**

2004 EIF v1

INSPIRE Directive

ISA Programme

NIFO Project

2010 EIF v2

Cyber Security & Privacy

Need for **Interoperability Governance** & **Integrated public service delivery**

eIDAS Regulation

Revised PSI Directive

ISA² Programme

2017

Digital Single Market

- **Big Data**
- **Open Data**

European Reference Architecture **(EIRA)** and Cartography **(EIC)**

New European Interoperability Framework

1 revised **Conceptual Model** for integrated public service delivery

4 layers of interoperability

12 **underlying principles**

47 **recommendations** for Public administrations

2

The political context: Tallinn Declaration

The Tallinn Declaration recognised that the digital transformation of public administration can be greatly facilitated by interoperability

EU2017.EE

1. Digital-by-default
2. Once-only
3. Trustworthiness and Security
4. **Openness and transparency**
5. **Interoperability by default**
6. Horizontal enabling policy steps
7. Cross-border by default

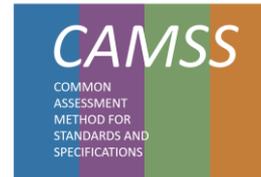eGov Ministerial Declaration

TO IMPROVE YOU NEED TO KNOW WHERE ARE YOU

Standards & technical specifications

Profile standards and technical specifications for use in the EU
Create sample software
Create testing services
Create promotion services

Building Blocks

Provide Hosting (infrastructure)
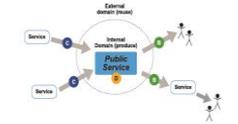*Set SLAs*
Provide dedicated Ops teams

Common Services

CAMSS
COMMON ASSESSMENT METHOD FOR STANDARDS AND SPECIFICATIONS

ASSESSING STANDARDS

IQAT©
Interoperability
Quick
Assessment
Toolkit

ASSESSING EIF CONFORMANCE IN SW COMPONENT

iMAPS
INTEROPERABILITY MATURITY ASSESSMENT OF A PUBLIC SERVICE

ASSESSING EIF CONFORMANCE IN PUBLIC SERVICE

WHAT'S CAMSS?

"Assessment and support on the selection of ICT standards and specifications for eGovernment projects"

❖ Provides a <u>list of ICT standards used</u> by EU Member States,
❖ Provides a free-access <u>library of assessments performed</u> on ICT standards, technical specifications or even organizations.
❖ The Multi-Stakeholder Platform (MSP) <u>leaded by GROW gave positive opinion on CAMSS to the board of the MSP</u> for the March meeting adoption of CAMSS for the evaluation of standards for the EU Catalogue of ICT procurement standards

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

3 DELIVERY MODELS

European Commission

1
USING IT

Do it yourself:

- **You have access to Assessment Resources -** *support to users, improved tools and training resources*

2
RE-USING IT

Reuse Assessments:

- A growing **Collection of Assessments -** *ready for reuse by the Standardisation Community*

- *List to Member States Catalogues of standards*

3
CONSUMING IT

Request the Service:

- **CAMSS as a Service -** *provision of assessments on demand*

STANDARS IN CALLS FOR TENDERS

"p3. The technical specifications shall be formulated in any of the following ways: in order of preference, by reference to European standards, European technical assessments, common technical specifications, international standards, other technical reference systems established by European standardisation bodies or, failing this, their national equivalents; every reference shall be accompanied by the words "or equivalent"

(Art. 139 of the Rules of Application of the Financial Regulation)

8

USE CASES FOR DIGIT

CAMSS
COMMON
ASSESSMENT
METHOD FOR
STANDARDS AND
SPECIFICATIONS

European Commission

1 — USING IT

Business need: *A unit needs to enact an opinion on a standard not previously assessed in the list of CAMSS*

Use case: *The unit enacts the opinion using CAMSS*

2 — RE-USING IT

Business need: *A unit needs to enact an opinion on a standard already assessed in the list of CAMSS*

Use case: *The unit enacts the opinion reusing the existing assessment of the standard in CAMSS*

3 — CONSUMING IT

Business need: *A unit needs support enacting an opinion on an standard*

Use case: *The unit submits request for CAMSSaaS*

Benefit: Normalization of the process , efficiency, quality, know how increase

CAMSS AS A SERVICE

CAMSS SERVICE OFFERING

"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

There are 3 modalities of service:

CAMSSaaS assessment	CAMSSaaS content review	CAMSSaaS compliance review
In this modality the user requests the CAMSS Team to perform the assessment of a technical specification.	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 needed and challenging them in order to strengthen the quality of the assessment as much as possible.	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.

EXAMPLE OF ASSESSMENT FOR THE MULTI-STAKE HOLDER PLATFORM
(EU CAT OF ICT STANDARDS FOR e-PROCUREMENT)

CAMSS
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STIX and TAXII (OASIS)

ASSESSMENT SUMMARY

OASIS STIX 1.2 and TAXII 1.1 Technical specifications

I. Introduction

This document reports to the Multi-Stakeholder Platform on ICT Standardisation, hereafter 'the MSP', on assessments of two technical specifications (TS), **STIX** and **TAXII of OASIS.** This assessment has been performed following the CAMSS methodology in full compliance to Annex II criteria set out in the Regulation 1025/2012[1], hereafter 'the standardisation regulation'. The findings may be used by the MSP to evaluate and provide their advice on STIX and TAXII identification by the Commission for referencing in public procurement as pursuant to articles 13 & 14 of the standardisation regulation.

II. Assessment Summary

During our assessment, we found evidence supporting the two TS, STIX and TAXII, satisfactorily compliant with the standardisation regulation Annex II criteria.

Market acceptance is evidenced by implementations by more than sixty vendors. Interoperability with EU implementations and standards is evidenced by the choice of XML and HTTPS as base specifications for STIX and TAXII, by liaisons between OASIS and EU standardisation bodies, and by the presence of a STIX/TAXII subcommittee dedicated to interoperability. There is no known or publicly acknowledged interoperability issue between the implementations of STIX and TAXII and implementations of existing European or international standards.

- **Coherence** is evidenced by the absence of known existing conflict with EU or international standards, the absence of planned adoption or existing European Standards covering the area of cyber threat data (Cyber Threat Intelligence), and by the recommendation by the European ENISA security agency to adopt a STIX and TAXII-based solution to cover cyber threats,.

- **OASIS is a non-profit standardisation organisation which follows an open process.** The MSP has already identified TS of OASIS in the past, and positively evaluated the compliance of its process with Annex II criteria.

    a) **Openness** of the TS development process is evidenced on one side by OASIS bylaws, in particular art. 12. Section 2 on the qualification of members which allows for any organisation or individual to become a Member and on the other side by the TC process which describes an open balloting process.

    b) **Consensus.** That the decision making process is consensus based and does not favour any particular stakeholder is evidenced by OASIS' policy guidelines on the TC process which describe fair TC voting rules and by the requirement of a public review as part of the approval process (TC process, 3.4).

III. Assessment Results

This section presents an overview of the results of the CAMSS assessments for both, STIX and TAXII. The CAMSS "Strength" indicator measures the reliability of the assessment by calculating the number of 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 categories and an "Overall Score".

- **STIX**

Category	Automated Score	CAMSS Strength	# Favourable	# Unfavourable	# Not Applicable
Market acceptance	100 %	100 %	3	0	0
Coherence principle	100 %	100 %	3	0	0
Attributes	100 %	100 %	6	0	0
Requirements	89 %	100 %	8	1	0
Overall Score	**97%**	**100%**	**20**	**1**	**0**

The STIX's assessment, with a 100% CAMSS Strength, demonstrates that the technical specification is fully compliant with the CAMSS MSP scenario assessment criteria and therefore with standardisation regulation Annex II. The Overall Score is 97%; STIX fully meets the criteria regarding Market Acceptance, Coherence and Attributes however it lacks in terms of Neutrality and Stability requirements.
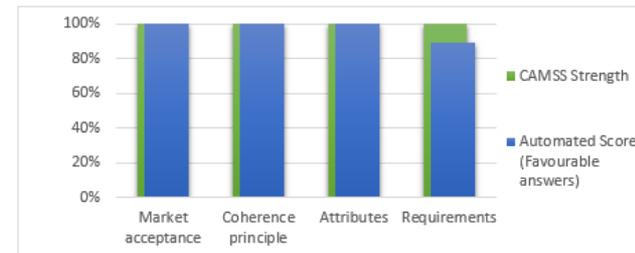
CAMSS assessment for STIX

camss_method_v1.1.0_scenario_msp_STIX.ods

CAMSS method (v1.1.0) scenario MSP - STIX.xlsm

CAMSS assessment for TAXII

camss_method_v1.1.0_scenario_msp_TAXII.ods

CAMSS method (v1.1.0) scenario MSP - TAXII.xlsm

CAMSS Summary Report for STIX and TAXII

CAMSS SUMMARY REPORT_STIX_TAXII (OASIS).docx

WHAT OUR USERS SAY

CAMSS

A solution by ISA² Programme

"The CAMSS methodology has proved to be useful in the context of the procedure for the identification of ICT Technical specifications by the Commission provided for in Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardization."

Belén-Niceas Martínez Arriola
Senior Policy Officer, DG for Internal Market, Industry, Entrepreneurship and SMEs
GROW.F.3: KETs, Digital Manufacturing and Interoperability