SIQAT v2.2.0

Structural Interoperability Quick Assessment Toolkit

Release notes



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Table of Abbreviations

Table 1: Acronyms

Acronym	Description
ABB	Architectural Building Block
CAMSS	Common Assessment Method for Standards and Specifications
CarTool	Cartography Tool
DIGIT	Directorate-General for Informatics
EC	European Commission
EIF	European Interoperability Framework
EIRA© (EIRA)	European Interoperability Reference Architecture
ELAP	EIRA Library of Architecture Principles (ELAP)
ELIS	EIRA Library of Interoperability Specifications
EU	European Union
IQAT	Interoperability Quick Assessment Toolkit
ISA	Interoperability Services for Public Administrations
IMAPS	Interoperability Maturity Assessment of a Public Service
IMTS	Interoperability Maturity Tools
MS	Member State
PA	Public Administration
SIQAT	Structural Interoperability Quick Assessment Toolkit

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1 INTRODUCTION

1.1 Purpose of this document

This document contains the description of the release version 2.2.0 of the Structural Interoperability Quick Assessment Toolkit (SIQAT).

1.2 Release date

Version 2.2.0 of the SIQAT Survey has been released on the 25th of July 2024 on EU Survey Portal.

1.3 Description

The SIQAT Survey is a highly user-friendly online questionnaire. Designed as a self-assessment tool, the SIQAT survey is designed for public service owners to evaluate **key structural interoperability** aspects of their digital public service. On completion of the survey, the public service owners receive tailored, confidential feedback and recommendations on how to further improve their service.

Details on the individual components of this release are provided in the below Chapter 2 "Release components".

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2 SIQAT v2.2.0 RELEASE COMPONENTS

The SIQAT v2.2.0 release consists of the following release components.

2.1 SIQAT v2.2.0 Online Survey

The SIQAT questionnaire is available as an online survey at the EU Survey portal. The following table presents the changes from the SIQAT release 2.1.0 to the SIQAT release 2.2.0.

Table 2: Updates at the EU Survey Portal

Modification	Details
	Version 2.2.0
SIQAT URL at the EU Survey portal	Date: May 2024 The version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v_2_1_0 has been replaced by the version 2.2.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v_2_2_0 .
	Date: May 2024 The Service Documentation and Knowledge section has been added before the Introduction page as mandatory, in order to check if the provided answers can be elicited from the existing documentation of the digital public service. The following two items have been added to the Service Documentation and
Added Service Documentation and Knowledge section	 To what extent does the service utilise readily available documented knowledge in formal or informal tangible forms, such as manuals, guidelines, written procedures, FAQs, etc., that may be shared to explicitly support its functionality, maintenance and development? 1. The service does not have any available documented knowledge in explicit forms (functional requirements, technical design, user guide, manuals, etc.) 2. The service has little available documented knowledge in explicit forms (functional requirements, technical design, user guide, manuals, etc.) 3. The service has some available documented knowledge in explicit forms (functional requirements, technical design, user guide, manuals, etc.) 4. The service has complete available documented knowledge in explicit forms (functional requirements, technical design, user guide, manuals, etc.). To what extent does the service leverage insights gained through practical experience (tacit knowledge) of its respective stakeholders to support its functionality, maintenance and development? 1. The service cannot leverage practical experience (tacit knowledge) 2. The service leverages in little practical experience (tacit knowledge) 3. The service leverages in some practical experience (tacit knowledge)

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 The service leverages in deep/high practical experience (tacit knowledge).

These two items activate and disable all the sections in the SIQAT questionnaire without affecting the scoring. In case the first options of each of the two items are selected ("The service does not have any available documented knowledge in explicit forms" and "The service cannot leverage practical experience"), all the sections in the SIQAT questionnaire are disabled.

Date: May 2024

Updated the item A4.4

The item "A.4.4 Please specify the email address of the provided service" has been updated as "A.4.4 Please specify the official email address of the contact point for the provided service" in the Service Identification section of the SIQAT questionnaire.

Date: May 2024

Updated the item A5

The item "A5. Service provider: Which tier of public administration is primarily responsible for providing the service?" has been updated as "A5. Service provider: Which public administration tier is primarily responsible for providing the service?" in the Service Identification section of the SIQAT questionnaire.

Date: June 2024

The following updates on the EIRA ABBs have been implemented on the SIQAT questionnaire based on the alignment with new version of EIRA v6.1.0:

- The EIRA ABBs on the item "B2. To what extent is the service compliant with the European Legal Acts concerning the domain of the solution?" have been updated from "Service" and "Legal Act" to "European Legal Act".
- The EIRA ABB on the item "B3. To what extent legislative acts regulate the share of the service?" has been updated from "Service" to "Legal Act".
- The EIRA ABB "Service" has been removed from the item "B4. To what extent legal agreements regulate the share of the service?".

Updated the EIRA ABBs

- The EIRA ABBs on the item "B5. To what extent are organisational agreements set in place to share the service?" have been updated from "Service" and "Organisational Agreement" to "Organisational Interoperability Agreement".
- The EIRA ABB "Service" has been removed from the item "B6. To what extent are semantic interoperability agreements set in place to share the service?".
- The EIRA ABB on the item "B7. To what extent are the Semantic Interoperability Specifications documented?" has been updated from "Solution Specifications" to "Semantic Agreement".
- The EIRA ABBs "Service" and "Technical Agreement" have been removed from the item "B8. To what extent are technical agreements set in place to share the service?".
- The EIRA ABB on the item "B9. To what extent does the shared solution rest under the owner's infrastructure?" has been updated from "Computing Hosting, Networking, and Data Hosting Infrastructure" to "Hosting Facility".

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- The EIRA ABB "Solution Specifications" has been removed from the item "B10. To what extent are the Technical Specifications documented?".
- The EIRA ABBs on the item "C2.1. To what extent did legislative acts regulate the reuse of software?" have been updated from "Legislation Catalogue" to "Legal Act" and "Legislation on Data Information and Knowledge Exchange".
- The EIRA ABB on the item "C2.5. To what extent does the application component use open standards or specifications?" has been updated from "Solution Specifications" to "Open Data Policy".
- The EIRA ABB on the item "C.2.7. To what extent does the software use common/well known standard data representation formats?" has been updated from "Data Extraction, Transformation, and Loading Component" to "Data Representation".
- The EIRA ABB "Conformance Testing" has been included in the item "C.2.12. To what extent are resources available for conformance test integration / interoperability of the service?".
- The EIRA ABB on the item "C2.13. To what extent is the software portable to a different technical infrastructure?" has been updated from "Data Portability Policy" to "Technology Interface".
- The EIRA ABB "Adaptive Configuration" has been included in the item "C.2.14. To what extent does your software maintain its performance constant when it is necessary to solve larger problems?".
- The EIRA ABB on the item "C.2.15. To what extent will the shared solution be a part of a third-party infrastructure?" has been updated from "Outsourcing" to "External Facility".
- The EIRA ABBs on the item *C.3.1. To what extent are legislative acts regulating the use of the service?"* have been updated from "Legal Act Representation" and "Legislation Catalogue" to "Legislation on Digital Public Services", "Legal Act" and "Legislation Catalogue".
- The EIRA ABB on the item "C.3.5. To what extent does the service provide a service usage contract?" has been updated from "Specific Agreement" to "Agreement on Provision of Digital Public Services".
- The EIRA ABB on the item "C.3.6. To what extent does the service provide a standardised service contract?" has been updated from "Specific Agreement" to "Agreement on Provision of Digital Public Services".
- The EIRA ABB on the item "C.3.8. To what extent does the service use common and well-known standard data representation formats?" have been updated from "Data Extraction, Transformation, and Loading Component" to "Data Representation".
- The EIRA ABB "Interoperable Digital Public Service Implementation Orientation" has been included in the item "C.3.9. To what extent has the service been developed following "service orientation" good practices, such as a stateless architecture and a black-box approach?".
- The EIRA ABB "Trust Infrastructure Enablers" has been included in the item "C.3.10. To what extent does the service leverage data encryption techniques?".
- The EIRA ABBs on the item "C.3.12 To what extent are resources available for conformance test integration / interoperability of the service?" have been updated from "Conformance Testing Service" to "Test enablers" and "Conformance Testing".

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ELAP v2.0.0 principles alignment	Date: April 2024 ELAP v2.0.0 alignment on the principles performed across the SIQAT questionnaire.
EIRA v6.1.0 alignment	Date: June 2024 EIRA v6.1.0 alignment performed across the items of the SIQAT questionnaire.
Scoring model	Date: July 2024 The existing scoring model per item of SIQAT version 2.1.0 is maintained.
Previous contract change requests	Date: July 2024 All Change Requests (CRs) based on JIRA tickets collected during the previous contract, have been included in the SIQAT version 2.2.0.
	Version 2.1.0
SIQAT URL at the EU Survey portal	Date: November 2022 The version 2.0.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v200 has been replaced by the version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v2_1_0 .
Updated the SIQAT logo	Date: November 2022 The SIQAT logo has been updated in order to be aligned with the Interoperable Europe identity.
Updated the Welcome page	Date: November 2022 The Welcome page has been updated considering the Study on user experience documentation. The page includes the following: • The purpose of the SIQAT survey, • The expected output of the SIQAT survey, • The full name of the Survey in parenthesis. The following items are removed: • The version of the survey, • The unit of analysis paragraph, • The ISA product license.
Updated the Introduction page	Date: November 2022 The Introduction page of the SIQAT questionnaire has been updated considering the Study on user experience documentation. It provides rich information about the solution's positioning, context, approach to complete, preparation information, version, contact approach, and relevant solutions. The introduction page does not require user input and allows users to skip it as needed. A disclaimer was added saying that "The unit of assessment is the "Digital Public Service" and is referred to as "Service" in the survey that follows"

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	The reference "Contact: For any general or technical questions, please send an email to DIGIT-IMAPS@ec.europa.eu ." has been added for contacting purposes at the SIQAT questionnaire.
	Date: November 2022
Updated the IMTs user journey	The updated IMTs user journey has been added to the Introduction section of the IMAPS questionnaire and illustrates the structure, and the logic behind the IMTs survey starting from the IMAPS questionnaire and continues with SIQAT and GIQAT.
Included	Date: November 2022
reference for the IMTs solutions	A reference for all the Interoperability Assessment Tools (IMTs) has been added to the Introduction section of SIQAT questionnaire.
	Date: November 2022
Included reference for the EIRA version	The reference "The SIQAT survey is based on the <u>European Interoperability</u> <u>Reference Architecture</u> , in particular to the version EIRA v5.0.0 . The EIRA was created in the context of <u>Action 2016.32</u> of the ISA ² Programme and is being maintained under the Interoperable Europe public initiative. The EIRA provides a common terminology that can be used by people working for public administrations in various architecture and system development tasks." has been added in the Introduction section of SIQAT questionnaire.
	Date: November 2022
Added the Legal notices section	The SIQAT survey's Introduction section should be followed by the Legal notices section regarding the Study on user experience documentation. The Legal notices section includes clearly communicating legal information, licensing information and disclaimers, generally anything linked to user approval and consent.
	This page also collects the user's consent on the sharing and processing of data, any relevant publishing of information, as well as the user's willingness to be contacted.
	The privacy statement was also added in this section.
	Date: November 2022
Included disclaimer for the responsibility of European Commission	The EC's logo and the disclaimer "By no means will the Interoperability assessment imply any endorsement of the EC to the assessed specification. Likewise, the use of SIQAT© implies that the user accepts that the EC is not liable on the assessment nor on any direct or indirect consequence/decision of such assessment." has been added in the Legal notices section of SIQAT questionnaire.
Updated the table	Date: November 2022
with maturity levels	The SIQAT table with the maturity levels has been updated to be compliant with GIQAT and IMAPS. The scoring was removed.

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Updated the Service	Date: November 2022
Identification	The Service Identification section of the SIQAT questionnaire has been
section	separated from the Introduction section.
	Date: November 2022
	A.1.1 Please provide your name
	A.1.2 Please provide your email address
	A.1.3 Please provide your phone number
	A.2 Please indicate the country of the organisation providing the service
	A.2.1 Please indicate the country if not in the list above
	A.3 Please provide your role in your organization
	A.4 A service is a digital service rendered in the public interest. What is the name of the service that you provide to the end users (citizens, businesses or other public administrations)?
The following Questions are added in the	A.4.1 Please provide the public service catalogue name and URI, if it is applicable for the service.
Identification	A.4.2 Please give a brief description of the service
section	A.4.3 Appearance: How does the service deliver the outcome towards the end user group?
	A.4.4 Please specify the email address of the provided service.
	A.5 Service provider: Which tier of public administration is primarily responsible for providing the service?
	A.5.1 Are the solutions provided by a Directorate-General of the European Commission?
	A.5.2 Please indicate the Directorate-General of the European Commission
	A.6 Please indicate in which sector is the service provided.
	A.7 What is the end user group to whom the service is delivered?
	A.8 At what administrative level is the service provided
Updated the	Date: November 2022
mouse over on	The content that was present with the "mouse over" function in the Architecture section, was removed.
	Date: November 2022
	The alongside information has been updated on the SIQAT questionnaire and
Updated the alongside	includes the following links and documents:
information	Useful links: ISA Product License v1.4, Share your feedback, Share your feedback,
	Background Documents: SIQAT User Guide, SIQAT User Journey.
	Furthermore, a contact form was added to collect the users doubts.

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	Date: November 2022
Updated the	IMTs End User Feedback Survey, was added.
Rating section	The reference "Contact: For any general or technical questions, please send an email to DIGIT-IMAPS@ec.europa.eu ." has been added for contacting purposes at the end of the Rating section of the SIQAT questionnaire.
Replaced the	
phrase "digital public service"	Date: November 2022
with "service" to reduce repetition	The phrase "digital public service" has been replaced with "service" on the SIQAT questionnaire.
Ensuring	Date: November 2022
consistency in the formatting of the	The formatting was updated to ensure that all the items, the content and the titles are using the same fonts across all IMTS. Abbreviations were removed
text	
Alignment regarding the	Date: November 2022
uniqueness and	The surveys of the IMTs have been compared against each other in terms of
overlapping across the IMTs	uniqueness and overlapping in the items.
	Date: November 2022
EIRA v5.0.0 alignment	EIRA v5.0.0 alignment performed across the items of the SIQAT questionnaire. A reference was also added in the Introduction section.
	Date: November 2022
More info	The More Info functionality was added. It provides information regarding the EIRA ABBs that are relevant to the particular item.
FIF main similar	Date: November 2022
EIF principles alignment	EIF alignment on the principles and recommendations performed across the SIQAT questionnaire.
CAMSS	Date: November 2022
vocabulary alignment	CAMSS vocabulary alignment performed across the SIQAT questionnaire.
Previous contracts	Date: November 2022
change requests	SIQAT didn't have any change requests in the previous contract
	Version 2.0.0
	Date: March 2022
Items updated	The content of the items has been updated according to the detailed PO review

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Scoring model updated Date: March 2022 The scoring of the survey has been updated according to updated version of the items. Date: March 2022 The logo of the survey has been included in the side menu Product license added Product license added Date: March 2022 The ISA product license (v1.4) has been included in the side menu as a hyperlink Contact information updated Date: March 2022 The contact information has been updated and it is present in the side menu Date: March 2022 Reporting abuse added Propup message Date: March 2022 The survey layout provided by the EU survey platform) coherently with the IMAPS survey Date: March 2022 The display of the disclaimer and the privacy statement, has been inserted in the page before the introduction Date: March 2022 The display of the disclaimer and the privacy statement, has been inserted in the page before the introduction Date: March 2022 The survey are not allowed to view the content of the Survey if they have not agreed on the Terms and Conditions Date: March 2022 In Information updated Date: March 2022 In the Introduction section includes the user inputs as well as background information about the survey Expected profiles pare: March 2022 In the Introduction section there is added information about the expected profiles per section (e.g. the survey targets end-users who have expertise in law-makers) Position of the questions in the Introduction section has been updated, to ensure consistency among the interoperability assessment toolkits. Styling of the sections updated Date: March 2022		
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1)ate, Match 31177	•	
		Date: March 2022

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	The surveys sections' title styling is updated to ensure it is consistent through the survey
Navigation titles added	Date: March 2022 The sections titles have been included in the top navigation and progress bar
Styling of questions updated	Date: March 2022 The surveys questions styling has been updated to ensure it is consistent throughput the survey
Numbering of questions updated	Date: March 2022 The surveys questions numbering has been updated to ensure it is consistent throughput the survey
EIF Interoperability view added	Date: March 2022 Below every question a text field is added that describes the EIF Interoperability View.
Interoperability Enabler and manifestation text fields added	Date: March 2022 Below every question a text field has been added to describe whether the question refers to enabler or manifestation.
PURIs links updated	Date: March 2022 The PURIs links that are present in the questions have been updated Note: in the next contract those PURIs will be updated with the latest version of EIRA
Summarise box included	Date: March 2022 At the bottom of every section, it has been included a comment summarize box that the user could us
Rating feedback created	Date: March 2022 A new page has been created to allow rating to be provided by the users as feedback

2.2 SIQAT v2.2.0 User Guide

A PDF document describing the user guide of SIQAT including the SIQAT model, the SIQAT survey and the recommendations of each SIQAT question.

Table 3: Updates at SIQAT User Guide

Modification	Details
	Version 2.2.0
Updated SIQAT user guide	Date: July 2024 The User Guide is a consolidated document that includes the previous release components "User guide", "Questionnaire" and "Recommendations".

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SIQAT URL at the EU Survey portal	Date: May 2024 The version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT v 2 1 0 has been replaced by the version 2.2.0 https://ec.europa.eu/eusurvey/runner/SIQAT v 2 2 0.
Updated SIQAT items on Questionnaire	 Date: July 2024 The following items have been updated to SIQAT version 2.2.0: Item A4: Please specify the official email address of the contact point for the provided service, Item A5: Service provider: Which public administration tier is primarily responsible for providing the service?.
Scoring model	Date: July 2024 The existing scoring model per item of SIQAT version 2.1.0 is maintained.
	Version 2.1.0
Updated SIQAT user guide	Date: November 2022 The User Guide is a consolidated document that includes the previous release components "User guide", "Questionnaire" and "Recommendations".
SIQAT user journey	Date: November 2022 The project team created a simple "user journey" to give more context and explanation to the user how IMTS surveys can be used. This visual is shown as part of the introduction to the survey at the EU Survey portal, it describes the structure, and the logic behind the IMTS surveys including the SIQAT questionnaire that explains the structure, target stakeholders, etc.
SIQAT URL at the EU Survey portal	Date: November 2022 The version 2.0.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v200 has been replaced by the version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v2_1_0
Scoring model	Date: November 2022 The existing scoring model of SIQAT version 2.0.0 is maintained.

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2.3 SIQAT v2.2.0 Publication on Joinup

The public web page (https://joinup.ec.europa.eu/collection/interoperability-maturity-tools-imts-digital-public-services/solution/siqat) describing SIQAT version 2.2.0.

Table 4: Changes in SIQAT Joinup page

Modification	Table 4: Changes in SIQAT Joinup page Details
	Version 2.2.0
SIQAT URL at the EU Survey portal	Date: May 2024 The version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v_2_1_0 has been replaced by the version 2.2.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v_2_2_0 .
SIQAT Release components	Date: July 2024 The version 2.2.0 includes the following release components: SIQAT v2.2.0 EU Survey portal SIQAT v2.2.0 User Guide; SIQAT v2.2.0 Publication on Joinup; SIQAT v2.2.0 Value proposition; SIQAT v2.2.0 Release package; ISA product license.
	Version 2.1.0
SIQAT URL at the EU Survey portal	Date: November 2022 The version 2.0.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v200 has been replaced by the version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v2_1_0 .
SIQAT Release components	Date: November 2022 The version 2.1.0 includes the following release components: SIQAT v2.1.0 EU Survey portal SIQAT v2.1.0 User Guide v1.0.0; SIQAT v2.1.0 Publication on Joinup; SIQAT v2.1.0 Value proposition v1.0.0; SIQAT v2.1.0 Release package; ISA product license.
Version 2.0.0	
SIQAT URL at the EU Survey portal	Date: March 2022 The version 2.0.0 https://ec.europa.eu/eusurvey/SIQAT_v200/management/overview
SIQAT Release components	Date: March 2022 The version 2.0.0 includes the following release components:

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- SIQAT v2.0.0 EU Survey portal
- SIQAT 2.0.0 Publication on Joinup;
- SIQAT v2.0.0 Release package;
- ISA product license.

2.4 SIQAT v2.2.0 Value Proposition

A PDF document, which provides the value proposition of SIQAT v2.2.0.

Table 5: SIQAT value proposition

Modification	Details	
Version 2.2.0		
SIQAT URL at the EU Survey portal	Date: May 2024 The version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT v 2 1 0. has been replaced by the version 2.2.0 https://ec.europa.eu/eusurvey/runner/SIQAT v 2 2 0 .	
Version 2.1.0		
SIQAT URL at the EU Survey portal	Date: May 2024 The version 2.0.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v200 has been replaced by the version 2.1.0 https://ec.europa.eu/eusurvey/runner/SIQAT_v2_1_0 .	
Version 2.0.0		
SIQAT URL at the EU Survey portal	Date: November 2022 SIQAT version 2.0.0: https://ec.europa.eu/eusurvey/runner/SIQAT_v_2_0_0	

2.5 SIQAT v2.2.0 Release

An archive containing each of the above mentioned files.

Table 6: Changes in SIQAT Release package

Modification	Details	
Version 2.2.0		
Release package of all release components – SIQAT v2.2.0	Date: July 2024 The version 2.2.0 includes the following release components: SIQAT v2.2.0 User Guide; SIQAT v2.2.0 Value proposition; SIQAT v2.2.0 Release notes; ISA product license.	

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	Version 2.1.0	
Release package of all release components – SIQAT v2.1.0	The package of SIQAT version 2.1.0 includes the "User guide" "Questionnaire" "Value Proposition".	
Version 2.0.0		
Release package of all release components – SIQAT v2.0.0	The package of SIQAT version 2.0.0 includes the "Questionnaire".	

2.6 ISA Product License v1.4

The license under which the SIQAT is released.

Table 7: Changes in ISA Product License

Modification	Details
	Version 2.2.0
ISA Product License Version	ISA Product License v1.4

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