



POTENTIAL interop event

Late April 2024





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General information

Event type:	INTEROP EVENT “Bring your own code” <i>Remote event for testing the maturity level of interfaces between Issuer-Wallet-Reader/Verifier</i>
Date:	tb., between April 15 th and April 26 th 2024
Venue:	Online, further information will be sent upon registration
Platform:	Further information will be sent upon registration
Invitees:	All LSPs, NiScy, Members of OpenID Foundation, Members of OpenWallet Foundation, Members of ISO Organization
Organizer:	POTENTIAL WP2L on behalf of POTENTIAL COO’s and TCOO’s team
Enquiries:	lsp-wp2@bdr.de
Registration:	https://cloud.digital-identity-wallet.eu/apps/forms/s/ALBwtFLALFsboaWr7ocqdRRZ





Rationale

The EU Large Scale Pilots (LSPs) launched in 2023 with the objective of testing the components of the new eIDAS2.0 ecosystem along relevant use cases have been significantly affected by the delayed legislative/ technical specification processes (e.g. ARF, ISO, OID4) and release of usable artefacts (e.g. ref. wallet).

To preserve the engagement of the relying parties involved in the LSPs while supporting the legislative and technical specification activities, the POTENTIAL consortium, in its capacity as largest LSP, decided to organize two consecutive events:

- an interop event at the beginning of 24Q2 (*POTENTIAL interop event* in the following), and
- a hackathon event at the end of 24Q2 (detailed description outside of the scope of this document).

The upcoming *POTENTIAL interop event* aims to test interoperability along the central segments of the wallet ecosystem value chain, i.e. from the issuing to the presentation of attestations for the so-called “remote flow”.

The *POTENTIAL interop event* aims to deliver a first assessment of the current maturity and “integrability” level of the technical components of future participants in the eIDAS2.0 ecosystem swiftly and independently with respect to the publication of any new versions of the ARF.

For that reason, the *POTENTIAL interop event* is organized as a “bring your own code” event allowing all participants to mutually validate both their understanding and implementation of the standards, protocols, and interfaces required for issuing and presentation of attestations.





Eligibility for participation to the *POTENTIAL interop event*

The following eligibility criteria apply to all prospective participants registering for the *POTENTIAL interop event*.

Prospective participants must be members of at least one of the following organizations:

- LSP POTENTIAL,
- LSP DC4EU,
- LSP EWC,
- LSP NOBID,
- OpenID foundation,
- OpenWallet foundation,
- ISO organization.

Prospective participants who want to actively participate to the test cases must be able to deploy at least one of the following capabilities:

- Credential issuance (issuers in the following),
- Digital wallet,
- Readers/ verifiers capabilities.

Prospective participants who wish to actively participate to the test cases must comply with:

- Applicable standards and formats listed in ANNEX A – List of references.

Disclaimer: Please note that the organizers of the POTENTIAL interop event reserve the right to refuse participation to prospective participants who, in the sole judgement of the organizers, do not meet any of the eligibility criteria.



Participation to the *POTENTIAL interop event*

Prospective participants are required to submit the filled registration form by Friday, 15th March 2024 at 23:59 o'clock CET.

The registration form can be found at:

<https://cloud.digital-identity-wallet.eu/apps/forms/s/ALBwtFLALFsboaWr7ocqdRRZ>.

Since the registration to the event is not binding, the organizers of the *POTENTIAL interop event* encourage the prospective participants to submit the registration form by the given deadline and, if necessary, to withdraw the request for participation at a later point in time.

The organizers will review the submitted registration forms and send a confirmation e-mail to all accepted participants by Wednesday, 20th March 2024 at 23:59 o'clock CET.

In preparation for the *POTENTIAL interop event*, the organizers plan to schedule one or more webinars to provide more details on the *POTENTIAL interop event* and address any open questions. Enquiries can be submitted to lsp-wp2@bdr.de.

During the *POTENTIAL interop event*, the organizers will provide access to a suitable collaboration platform and repositories.

After the conclusion of the *POTENTIAL interop event*, the organizers will post-process the results. An aggregated and anonymized summary of the results will be made available to all participants and stakeholders.

Tentative timeline:

- March, 15th 2024 – Deadline for registration,
- March, 20th 2024 – Confirmation participation,
- March, 25th – approx. April, 15th 2024 – Webinars & Q&A,
- Approx. April, 15th – approx. April, 26th 2024 – *POTENTIAL interop event*,
- May, 2024 – Results publication.

Disclaimer: Please note that by registering and participating to the POTENTIAL interop event you agree not to disclose or distribute any kind of information related to the event including, but not limited to, details of other participants or any results or outcomes of the event.



Scope of the *POTENTIAL* interop event

The *POTENTIAL* interop event aims at testing interoperability along the central segments of the wallet ecosystem value chain, i.e. from the issuing to the presentation of attestations. The event focuses on the “remote flow” case, i.e. on the case which does not foresee any proximity interaction among any of the involved components. Three roles will be involved: the issuing, the wallet, and the reader/verifier roles.

Testing in the issuing segment can be considered successful when the credential is successfully issued to a wallet in the format specified in the corresponding test case. Testing in the presentation segment can be considered successful when a (relying party’s) reader/verifier component successfully requests and verifies the presented credential in the format in focus in the corresponding test case.

The testing activities are organized along tracks, each covering a specific test case. Two tracks were assigned to the issuing segment; four tracks, thereof two marked as “bonus track”, were assigned to the presentation segment. A summary of the tracks and their content can be found in Table 1.

The test cases cover two file types and two document types (attestations):

- File types: mdoc, SD-JWT, and
- Document types: mDL, PID.

The standards, formats, and other supporting documents of relevance for the mentioned file types and document types can be found in ANNEX A – List of references.

*Disclaimer: Please note that the organizers of the *POTENTIAL* interop event will provide a more detailed description of each track upon confirmation of the participation of the prospective participants.*

*Disclaimer: Please note that the organizers of the *POTENTIAL* interop event reserve the right to cancel any track prior to the event. Causes for cancellation include, but are not limited to, force majeure, insufficient number of registered participants for any track, lack of stable specification documents relevant for any track. The organizers will promptly notify participants of any changes to the scope of the *POTENTIAL* interop event.*

Table 1

Segment	Issuance		Presentation			
Success Criteria	The credential is successfully issued to a wallet in the format in focus in the specific test case.		A (relying party's) reader/verifier component successfully requests and verifies the presented credential in the format in focus in the specific test case.			
Required roles	<ul style="list-style-type: none"> • Wallet providers • Providers issuing services (issuers) 		<ul style="list-style-type: none"> • Wallet providers • Providers reader/ verifier application 			
Protocol	OID4VCI		OID4VP			
Scope	Track 1	Track 2	Track 3	Track 4	Track 5 (Bonus Track)	Track 6 (Bonus Track)
Test case	Test OID4VCI with known mdoc format	Test OID4VCI with new SD-JWT credential	Test OID4VP with known mdoc format	Test OID4VP with new SD-JWT credential	Test new mdoc formats	Test RestAPI with known mdoc format
Document / credential	Doctype: org.ISO.18013.5.1.mDL	EU eIDAS PID	Doctype: org.ISO.18013.5.1.mDL	EU eIDAS PID	Doctype(s): eu.europa.ec.eudiw.pid.1; org.iso.7367.1.mVRC	Doctype: org.ISO.18013.5.1.mDL
Protocol / API	OID4VCI profile mdoc	OID4VCI with new SD-JWT credential	OID4VP profile mdoc	OID4VP with new SD-JWT credential	OID4VP profile mdoc,	RestAPI
Specs / prerequisites	<ul style="list-style-type: none"> • ISO/IEC 18013-5 • ISO/IEC TS 23220-3 WD13 • ISO WG4-TF10 	<ul style="list-style-type: none"> • ARF Annex 6 Rule Book • OI DF: openid-4-verifiable-credential-issuance (Implementers draft) 	<ul style="list-style-type: none"> • ISO/IEC 18013-5 • ISO/IEC TS 18013-7 (DTS Ballot text) 	<ul style="list-style-type: none"> • ARF Annex 6 Rule Book • OI DF: openid-4-verifiable-presentation (Implementers draft) 	<ul style="list-style-type: none"> • ARF Annex 6 Rule Book • ISO/IEC TS 7367 WD2 • ISO/IEC TS 23220-4 (DTS Ballot text) • ISO/IEC TS 23220-2 (DTS Ballot text) 	<ul style="list-style-type: none"> • ISO/IEC 18013-5 • ISO/IEC TS 18013-7 (DTS Ballot text)



Out of scope of the *POTENTIAL interop event*

The following items will not be part of the interop event:

- Test of proximity use cases (see interop event planned in 12/2024 in Australia);
- Test of revocation services of mdoc/SD-JWT;
- Secure Area applications/ WCSD/ WSCA;
- Dedicated test on user interfaces at the wallet, or reader/verifier, or issuer services.





ANNEX A – List of references

- ISO/IEC TS 23220-2 (DTS)
- ISO/IEC TS 23220-4 (DTS)
- ISO/IEC TS 18013-7 (DTS)
- ISO/IEC TS 23220-3 (WD13)
- ISO/IEC TS 7367 (WD2)
- ISO/IEC 18013-5
- ISO/IEC TS 23220-2 (DTS Ballot text)
- ISO/IEC TS 23220-4 (DTS Ballot text)
- ISO/IEC TS 23220-2 (DTS Ballot text)
- ISO/IEC TS 18013-7 (DTS Ballot text)
- ISO WG4-TF10
- Doctype: org.ISO.18013.5.1.mDL
- Doctype(s): eu.europa.ec.eudiw.pid.1org.iso.7367.1.mVRC
- <https://github.com/eu-digital-identity-wallet/eudi-doc-architecture-and-reference-framework/releases>
- OIDF: openid-4-verifiable-credential-issuance (Implementers Draft)
- OIDF: openid-4-verifiable-presentation (Implementers Draft)
- <https://datatracker.ietf.org/doc/draft-ietf-oauth-sd-jwt-vc/>

Disclaimer: Please note that changes to this list may occur and will promptly be notified to the participants by the organizers.

