

Inspection and Approval Requirements

for

Federation Architecture for Composed Infrastructure Services (FACIS)

Federation Architecture Pattern Principal Credential Issuance (PCI)

FACIS.FAP_PCI

Purpose

The inspection and the approval process follow a twofold approach of (1) verification in software process and (2) validation in software testing.

(1) is a process of ongoing community-driven quality assurance in the dimensions of architectural and code design and to check if the software has been built according to the specifications. The verification process involves reviews, walk-throughs, and inspection. (2) is a dynamic mechanism of testing and validating whether the resulting product meets the specifications or not. The validation process involves unit testing, integration testing, system testing, and user acceptance testing.

According to the FACIS FAP PCI Technical Development Requirements (the document is included in the tender documents), all code and non-code artefacts will be maintained in the assigned GitHub source code repository provided by the client or entitled parties.

Project Plan

The contractor must submit a project plan for approval within the first week after the project kick-off. The project plan must include:

- Project plan as GANTT Chart with at least 4 milestones:
 - Plan approval
 - BDD documentation as Milestone (no later than one month after project plan approval).
 - Code ready for QA
 - Final validation
- Project team
- DevOps management and tools
- Related open-source packages to be included as runtime components (pre-checked according to license requirements)
- A final list of acceptance criteria derived from the related specification document and the implementation strategy

After submission, the plan will be reviewed within 2 weeks by the client.

Validation & Acceptance

The validation will be done against the final acceptance criteria according to the project plan, functional requirements, and the validation and acceptance criteria of the FACIS FAP PCI specification document. The client will perform the final assessment and approval according to the acceptance criteria. All BDD tests defined within the document must be green and fully functional.

The contractor must inform the client 2 weeks at the latest prior to readiness of the lot for the QA planning. The client will step into the coordination of the approval procedure.

Please note that the use of licenses that are not compliant with Eclipse licenses must be reported and, if possible, avoided to ensure that resulting software remains Eclipse-compatible.

Traceability

During the project phase, the progress should be presented bi-weekly to the client to demonstrate the current progress and requirement fulfilment status. This shall enable a quick understanding of issues and adjustment potentials. Each milestone must be delivered together with the BDD tests and full Eclipse IP scan and documentation.

Final Report

A final report in relation to

FACIS.FAP_PCI Inspection and Approval Requirements

- Specification document
- Project plan
- Acceptance criteria
- Evidence bundles per gate (hashes, reports, PDFs, logs, AI inference outputs).

Trace matrix and BDD run logs will be prepared by the contracted partner and the client.