Conformance assessment report

Conformance assessment report is used to capture the result of Conformance assessment.

Use

A conformance assessment report is built by the service provider to communicate how far a service description conforms to the SWIM Service Description specification.

A conformance assessment report can be attached to the service description.

Main use - Final report - communicate conformance

When a service description is made available, the report helps

- the service provider
    - to show that the service description conforms to the specification;
- the service consumer
    - to gain confidence/trust in the service description

Side use - Draft report - manage conformance

Before the service description is published, the conformance assessment report helps the service provider to achieve conformance to the specification

example - during authoring

During authoring (i.e. while the service description is being produced), the report helps the service description author in capturing

- how far the requirements are currently satisfied;
- the location of the corresponding information within the service description, and;
- any deviation to the requirement.

example - during verification

During verification (i.e. when the service description is being verified), the reports helps

- understanding how far the service description conforms to the specification;
- locating the required information in the service description.

Template

Template that can be used to build a conformance report.

Note that according to the use by the service description author, the conformance information may include temporary information about the conformance to the requirement which would be reworked before publication.

Object under Assessment

Reference to the service description being assessed. Typically title, edition and reference date.

Legend

Status

The status column indicates conformance to the requirement, id est how far the requirement is satisfied. The identified status values are

symbol	description
✅	requirement satisfied
❌	Mandatory requirement not satisfied
👎	Recommended requirement not satisfied

Note: in draft assessment reports, the status may include additional temporary values.

Reference

The reference column indicates the location within the service description where the required information elements can be found.

Example: section 2.3.5

Reference information can be omitted when the location is obvious. Examples are 1° sections matching the requirements in title and order; 2° use of a template or a schema that traces to the requirements.

Comment

The comment column provides any additional useful information. This includes justification for not satisfying a requirement.

Note: in draft assessment reports, the comment could include information about work to be done to satisfy the requirement.

Overall Assessment - *(NOT) CONFORM*

Overall result of the conformance assessment of the service description,

- *typically expressed as CONFORM or NOT CONFORM,*
- *complemented by a summary, counting the requirements per status value. Note: The sum of the counts should be equal to 29.*

req count	status	status description
n1	✅	requirement satisfied
n2	❌	Mandatory requirement not satisfied
n3	👎	Recommended requirement not satisfied

Detailed assessment

Conformance assesssment of each requirement from the specification.

Requirement	level	status	reference / comment
General Requirements			
SWIM-SERV-001 Description coverage	M		
SWIM-SERV-002 Description language	M		
SWIM-SERV-003 Define abbreviations	M		
SWIM-SERV-004 Use standard abbreviations	R		
SWIM-SERV-005 Description identification	M		
SWIM-SERV-006 Service identification	M		
SWIM-SERV-007 Service abstract	M		
SWIM-SERV-008 Service provider	M		
SWIM-SERV-009 Service categories	M		
SWIM-SERV-010 Service standard reference	M		
SWIM-SERV-011 Operational needs	M		
SWIM-SERV-012 Service functionality	M		
SWIM-SERV-013 Access and use conditions	M		
SWIM-SERV-014 Quality of service	M		

SWIM-SERV-015 Technical constraint	M Cond		
Service Interface Requirements			
SWIM-SERV-016 Service interfaces	M		
SWIM-SERV-017 Message exchange pattern	M		
SWIM-SERV-018 TI Profile and bindings	M		
SWIM-SERV-019 Protocols and data format	M		
SWIM-SERV-020 Machine-readable interface	M Cond		
SWIM-SERV-021 Service operations	M		
SWIM-SERV-022 Information definition	M		
SWIM-SERV-023 AIRM conformance	M		
SWIM-SERV-024 Filter capabilities	M		
SWIM-SERV-025 Service behaviour	M		
SWIM-SERV-026 Model view	R		
Other Requirements			
SWIM-SERV-027 Service validation	M		
SWIM-SERV-028 Service monitoring	M Cond		
SWIM-SERV-029 Examples of code	R		

Example

Example of use of the template: Conformance assessment - Donlon example