

SWIM-SERV-010 Service standard reference

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Requirement

Title	Service standard reference
Identifier	SWIM-SERV-010
Requirement	A service description shall include <ul style="list-style-type: none">• a statement indicating whether the service adheres to a service standard; and if so,• a reference to the service standard;• a statement on any implemented options of the service standard; and• a statement on any deviation from the service standard.
Rationale	The reference to standards is essential information, fostering reuse.
Verification	Completeness: Verify that the statement about adherence to a reference standard is included. Consistency: If the service adheres to a service standard, verify that the reference to the service standard is included. Correctness: Not Applicable.
Examples/Notes	Example service standard references: <ul style="list-style-type: none">• "EUROCAE Arrival Sequence standardised service design, version 1.0";• "Not adherent to a service standard".
Level of Implementation	Mandatory

Guidance

Examples

See the [Service Standard Reference](#) section within the [Donlon TOBT Setting Service Description](#).

Guidance for JSON service description



tentative JSON Guidance

[Guidance for JSON service descriptions](#) integrated within the [SWIM Service Description Handbook](#).

Schema

The guidance concerns JSON Schema v0.0.3 (see [Schema releases](#)).

```
"serviceDescriptionReferences":
```

```

        {
            "description" : "A container for references to documents
describing specific aspects of the service instance.",
            "$ref" : "#/definitions/ServiceDescriptionReferences"
        }

    "ServiceDescriptionReferences" :
    {
        "description" : "References to complementary documents that provide additional
details about the service.",
        "type": "object",
        "additionalProperties": false,
        "required": ["implementedStandard"],
        "properties":
        {
            "implementedStandard":
            {
                "description" : "A standard used for the implementation of the
service.",
                "type" : "array",
                "items" : { "$ref": "#/definitions/ImplementedStandard" },
                "minItems": 1
            },
            ...
        }
    },

    "ImplementedStandard" :
    {
        "description" : "A standard used for the implementation of the service.",
        "type": "object",
        "additionalProperties": false,
        "required": ["standardType", "isConformant"],
        "properties":
        {
            "standardType":
            {
                "description" : "The type of implemented standard.",
                "$ref" : "#/definitions/CodeServiceStandardType"
            },
            "isConformant":
            {
                "description" : "An indication whether the information service
conforms to a reference. [SWIM-SERV-010]",
                "type" : "boolean"
            },
            "title":
            {
                "description" : "The name by which the document is formally
known. [SWIM-SERV-005;SWIM-SERV-010]",
                "type" : "string",
                "minLength":1
            },
            "version":
            {
                "description" : "The current version or revision level of the
document.",
                "type" : "string"
            },
            "conformanceStatement":
            {
                "description" : "A statement about the degree of conformance of
the service against the standard.",
                "type" : "string",
                "minLength":1
            },
            "description":
            {
                "description" : "The description of the entity.",

```

```

        "type" : "string",
        "minLength":1
    },
    "reference":
    {
        "description" : "An external reference at which the standard can
be retrieved or consulted.",
        "type" : "string"
    }
},
}

```

Rules expressed for the cases as defined in Registry URD.

case	rules
COMPLIANT	mandatory
CANDIDATE	same
DEFINITION	(not relevant)

Guidance

Within "implementedStandard" field (itself within "serviceDescriptionReferences" field) create **one instance** of the ImplementedStandard type.

Two cases must be distinguished when filling that structure, depending on whether the service adheres to a service standard or not.

note

implementedStandard is designed to cover other needs. This guidance focuses on SWIM-SERV-010 only.

Case 1 - The service adheres to a service standard

attribute name	description	rule	guidance
standardType	The type of implemented standard.	Mandatory	Select code value SERVICE_STANDARD.
isConformant	An indication whether the information service conforms to a reference. [SWIM-SERV-010]	Mandatory	select code value true
title	The name by which the document is formally known.	Mandatory	provide the name of the service standard or the title of the service standard document.
version	The current version or revision level of the document.	Mandatory	makes clear the version of the service standard this service version adheres to.
conformanceStatement	A statement on any implemented options or deviation from the standard.	Mandatory Conditional	state implemented options of the service standard, if any state deviation from the service standard, if any
description	The description of the entity.	Optional	optionally provide a description of the service standard.
reference	An external reference at which the standard can be retrieved or consulted.	Optional	optionally provide an external link to the service standard. Prefer using this field than an instance of the Document type with code value STANDARD_REFERENCE. Note: In case of doubt, the version field makes clear the version of the standard.

Case 2 - The service does not adhere to a service standard

attribute name	description	rule	guidance
standardType	The type of implemented standard.	Mandatory	Select code value SERVICE_STANDARD.

isConformant	An indication whether the information service conforms to a reference. [SWIM-SERV-010]	Mandatory	select code value false
title	The name by which the document is formally known.	No use	
version	The current version or revision level of the document.	No use	
conformanceStatement	A statement on any implemented options or deviation from the standard.	No use	
description	The description of the entity.	Optional	optionally provide a comment.
reference	An external reference at which the standard can be retrieved or consulted.	No use	

Example

case 1 - adherence

```

"serviceDescriptionReferences": {
  "implementedStandard": [
    {
      "standardType": "SERVICE_STANDARD",
      "isConformant": true,
      "title": "EUROCONTROL Specification for Airspace Management (ASM)
Support System Requirements supporting the ASM processes at local and FAB level, Part II - ASM to ASM
Systems Interface Requirements",
      "version": "1.0",
      "conformanceStatement": "All interfaces have been implemented,
except for the LongTermPlanning interface",
      "description": "ASM to ASM service as from EUROCONTROL-SPEC-179",
      "reference": ""
    }
  ],

```

case 2 - non adherence

```

"serviceDescriptionReferences": {
  "implementedStandard": [
    {
      "standardType": "SERVICE_STANDARD",
      "isConformant": false
    }
  ],

```

A complete JSON example is available in page [JSON example - Donlon TOBT Setting service description](#).