SWIM-SERV-029 Examples of code

- Requirement
- Guidance
- Guidance for JSON service description
  - Schema
  - Guidance
    - Case 1 - Code example is provided
    - Case 2 - No code example is provided
  - Example

Requirement

Title	Examples of code
Identifier	SWIM-SERV-029
Requirement	A service description **should** include or refer to examples of code exemplifying the implementation of the consuming interface.
Rationale	Best practice to speed up prototyping.
Verification	Completeness: Not Applicable. Consistency: If provided, verify that the provided examples correspond to the described service. Correctness: Not Applicable.
Examples/Notes	Examples include source code in a given programming language, input and output messages.
Level of Implementation	Recommended

Guidance

No guidance provided.

Guidance for JSON service description

Unable to render {include} The included page could not be found.

Schema

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

```
                        "serviceDocument":
                        {
                                "description" : "A document that relates to the information service.",
                                "type" : "array",
                                "items" : { "$ref":"#/definitions/Document" },
                                "minItems": 1
                        }


                "Document" :
                {
                        "description" : "A piece of written, printed, or electronic matter that provides
information or evidence or that serves as an official record.",
                        "type": "object",
                        "additionalProperties": false,

                        "properties":
                        {
                                "documentType":
                                {
                                        "description" : "The type of document.",
                                        "$ref" : "#/definitions/CodeDocumentType"
                                },
                                "title":
                                {
                                        "description" : "The name by which the document is formally
known. [SWIM-SERV-005;SWIM-SERV-010]",
                                        "type" : "string"
                                },
                                "version":
                                {
                                        "description" : "The current version or revision level of the
document.",
                                        "type" : "string"
                                },
                                "description":
                                {
                                        "description" : "The description of the document.",
                                        "type" : "string"
                                },
                                "reference":
                                {
                                        "description" : "An external reference at which the document can
be retrieved or consulted.",
                                        "type" : "string"
                                }
                        }
                }
```

Rules expressed for the cases as defined in Registry URD.

case	rules
COMPLIANT	optional
CANDIDATE	same
DEFINITION	same

Guidance

Two cases must be distinguished depending on whether code example is being provided or not.

Case 1 - Code example is provided

Within "serviceDocument" field (itself within "serviceDescriptionReferences" field) create **one or more instances** of Document with type CODE_EXAMPLE.

See Guidance on serviceDocument on how to fill in documents.

> **message example**
>
> Use document type CODE_EXAMPLE even for message examples. Usage of document type "MESSAGE_EXAMPLE is deprecated.

Case 2 - No code example is provided

Nothing to be mentioned in the JSON service description

Example

case 1 - code example provided

```
        "serviceDocument": [
                {
                    "documentType": "CODE_EXAMPLE"
                    "title": "Example of messages",
                    "version": "1.0",
                    "description": "A set of message examples",
                    "reference": "public:/2019-09/MessageExamples.txt",
                },
                                ...
        ]
```

case 2 - no code example provided

A complete JSON example is available in page JSON example - Donlon TOBT Setting service description.