

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](#).