

# SWIM-SERV-029 Examples of code

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## Requirement

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

## Guidance

No guidance provided.

## 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](#)).

```

"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](#).