

SWIM-SERV-009 Service categories

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Requirement

Title	Service categories
Identifier	SWIM-SERV-009
Requirement	A service description shall include the categories to which the service belongs based on the PCP information exchange areas: <ul style="list-style-type: none">• Aeronautical information exchange;• Meteorological information exchange;• Cooperative network information exchange;• Flight information exchange.
Rationale	Service category information allows discovering services by a series of classification criteria. This requirement supports decision making in terms of service suitability in relation to a particular usage context.
Verification	Completeness: Verify that the PCP category is present. Consistency: Not applicable. Correctness: Not Applicable.
Examples /Notes	Note: It is best practice to include additional category information, and state the service categorisation scheme used, by inclusion or reference. The SESAR 1 ISRM Portfolio [RD 5] is a good source for service categories.
Level of Implementation	Mandatory

Guidance

Examples

See the [Service categories](#) 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](#).



info

Guidance on the full set of categories as available within the European SWIM Registry is provided at requirement [SWIM-REG-0004 Service categorization](#).

Schema

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

```

    "serviceCategorisation":
      {
        "description" : "A taxonomy used to classify a service by the
type of service provided or by some other technological or architectural solution. [SWIM-SERV-009]",
        "$ref" : "#/definitions/ServiceCategorisation"
      },

    "ServiceCategorisation" :
    {
      "description" : "A taxonomy used to classify a service by the type of service
provided or by some other technological or architectural solution. [SWIM-SERV-009]",
      "type": "object",
      "additionalProperties": false,
      "required": ["serviceType", "lifeCycleStage", "businessActivityType",
"intendedConsumer", "informationCategory", "applicationMessageExchangePattern"],
      "properties":
      {
        "informationCategory":
        {
          "description" : "TBD",
          "type" : "array",
          "items" : { "$ref": "#/definitions
/CodeInformationExchangeCategory" },
          "minItems": 1
        },
      },
    },
  },

```

Rules expressed for the cases as defined in Registry URD.

case	rules
COMPLIANT	Mandatory, one or more values
CANDIDATE	same
DEFINITION	same

Guidance

Select **one or more values** in field informationCategory, within field serviceCategorisation.

Enumerated values

Type CodeInformationExchangeCategory defines the Information exchange area as from PCP.

AERONAUTICAL_INFORMATION_EXCHANGE
METEOROLOGICAL_INFORMATION_EXCHANGE
COOPERATIVE_NETWORK_INFORMATION_EXCHANGE
FLIGHT_INFORMATION_EXCHANGE
SWIM_INFRASTRUCTURE_EXCHANGE
<i>Note: This value is not in the scope of SWIM-SERV-009 and should not be used. It is in the enumeration to give complete coverage of the PCP.</i>

Example

```
"serviceCategorisation": {  
  "informationCategory": [  
    "FLIGHT_INFORMATION_EXCHANGE"  
  ],  
}
```

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

More information

More information on service categories can be found on the [Using Service Categories](#) page. It is especially useful when listing "additional category information" as mentioned in the best practice in the requirement.