Digital requirements

The SWIM Service Description specification in various digital means, in support of internal processes, such as service provider requirements management.

- Electronic source
- Search tool
- Requirements in structured format
- Requirements table

Electronic source

source - the official source of the specification as a PDF file

Search tool

searching requirements - web page from the SWIM Registry for the display of the specification requirements, allowing ordering, searching and filtering

Requirements in structured format

requirements in XLS - file with the specification requirements in Excel format

requirement in XML - file with the specification requirements in XML format

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Example of a requirement expressed in XML

```
<requirement>
        <title>Service abstract</title>
        <identifier>SWIM-SERV-007 </identifier>
        <requirementText>A service description shall include an abstract as a small textual description
in plain language summarising the service.</requirementText>
        <rationale>A good abstract is valuable, in particular during service discovery.
        This requirement supports the decisions on whether the described service is suitable for use in
a particular situation.</rationale>
        <verification>
                <completeness>Verify that the element is included.</completeness>
                <consistency>Not Applicable.</consistency>
                <correctness>Not Applicable.  </correctness>
        </verification>
        <examplesNotes>Note: It is best practice for an abstract to summarise the information provided
elsewhere in the service description and not to bring any new information. </examplesNotes>
</requirement>
```

requirements in JSON - file with the specification requirements in JSON format

Example of a requirement expressed in JSON

```
{
        "title":"Service abstract",
        "identifier":"SWIM-SERV-007 ",
        "requirementText":"A service description shall include an abstract as a small textual
description in plain language summarising the service.",
        "rationale":"A good abstract is valuable, in particular during service discovery.  <CR> This
requirement supports the decisions on whether the described service is suitable for use in a particular
situation.",
        "verification":{
                "completeness":"Verify that the element is included.",
                "consistency":"Not Applicable.",
                "correctness":"Not Applicable.  "
        },
        "examplesNotes":"Note: It is best practice for an abstract to summarise the information provided
elsewhere in the service description and not to bring any new information. "
}
```

Requirements table

Requirements table (multi-purpose) - table of requirements that can be used for multiple purposes

The table is limited to requirements' title, ID and implementation level.