



VO Web Service Basic Profile Status

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VO WS Basic Profile

■ Reminder :

- Recommendation about how to implement Web Services in the frame of IVOA
 - Takes into account existing documents (<http://www.ws-i.org/>, ...)
 - Includes IVOA existing work (Support Interfaces, ...)

■ Milestones :

- New document available at IVOA
 - <http://www.ivoa.net/internal/IVOA/IvoaGridAndWebServices/VO-WS-Basic-Profile-0.22.pdf>
 - Providing tools to check the conformance
- ## ■ Final support in the VOTech (cycle 2) framework

Conformance checking

- **WS-I Conformance checking tools can be used but cannot be integrated (currently) in IVOA own tool (restricted license)**
 - Request to WS-I for a less restrictive license
 - Guide about how to use quickly the checking tools

- **IVOA recommendations checking**
 - A tool has been created
 - In a first step, it checks the conformance to the Support interfaces
 - Example : `getAvailability()` must be defined and must return an XML document conform to availability schema
 - **1.0 version will be available at :**
 - <http://cdsweb.u-strasbg.fr/cdsws.gml>

Assertion format

```

<?xml version="1.0" encoding="UTF-8"?>
<vowsbasicprofile version="1.0">
  <description>
    This document contains the test assertions for the
    IVOA WS Basic Profile working draft.
  </description>
  <testAssertion id="WSBP0001" type="required" enabled="true">
    <context>getAvailability() interface is mandatory (Support Interfaces working draft)</context>
    <assertionDescription>...</assertionDescription>
    <failureMessage>The mandatory getAvailability interface is missing</failureMessage>
    <failureDetailDescription>...</failureDetailDescription>
    <additionalEntryTypeList>
      <wsdlInput>http://cdsws.u-strasbg.fr/axis/services/Sesame?wsdl</wsdlInput>
      <OutputChecking type="interface">getAvailability</Output>
    </additionalEntryTypeList>
    <referenceList>
      <reference profileID="VOWSBP_0.22">R0106</reference>
    </referenceList>
  </testAssertion>
  <testAssertion id="WSBP0002" type="required" enabled="true">
    <context>getAvailability() interface must return an XML document conform to availability schema 0.2</context>
    <assertionDescription>...</assertionDescription>
    <failureMessage>getAvailability do not return an XML file conform to availability schema 0.2</failureMessage>
    <failureDetailDescription>...</failureDetailDescription>
    <additionalEntryTypeList>
      <wsdlInput>http://cdsws.u-strasbg.fr/axis/services/Sesame?wsdl</wsdlInput>
      <OutputChecking type="XSD">http://www.ivoa.net/internal/IVOA/IvoaGridAndWebServices/availability-v0.2.xsd</Output>
    </additionalEntryTypeList>
    <referenceList>
      <reference profileID="VOWSBP_0.22">R0106</reference>
    </referenceList>
  </testAssertion>
  ...

```

Future (and Conclusion)

- **Waiting on other “rules” (from other IVOA recommendations) to include in the profile (?)**
- **Volunteers to test the tool (IVOA side) and the Guide (WS-I side) ?**
- **Connection with other WG or creation of other Basic Profile on the same model for other IVOA work (checking tools are useful : automatic checking in case of new submission of a service in the Registry...) ?**