



## Working Group Charter:

### Web Services Profile Testing Tools and Material

1  
2  
3  
4  
5  
6

#### Web Services Profile Testing Tools and Material (WSI.Test)

Revision History		
2002.03.05	Tom Glover / Chris Kurt	Initial version
2002.03.21	Tom Glover	Modifications resulting from review at board meeting
2002.03.12	Jacques Durand	Modified to accommodate expansion of the Basic Profile scope to cover Attachments,. Also incorporates modification to the dates in the original document to reflect the current status and plan.
2003.07.15	Jacques Durand	Significant modifications to extend the scope of the working group to support profile 1.1 as well as all future profiles; to become a long standing WG; to deliver a regularly updated plan.
2003.09.11	Jacques Durand	Abstract further the charter for a long standing group, consolidate comments from Board (July review meeting)
2004.06.08	Narendra Patil	Modifications resulting from TCG meeting related to making the Test Tools Experience as Administrative Document.
2007.09.19	Steve Holbrook	Removed names from chair section. Added line numbers.

7  
8  
9  
10  
11  
12  
13  
14  
15  
16

Document Version: 1.2

Document Editor:

Tom Glover, IBM ([glover@ca.ibm.com](mailto:glover@ca.ibm.com))

Christopher Kurt, Microsoft ([ckurt@microsoft.com](mailto:ckurt@microsoft.com))

Jeff Mischkin, Oracle ([jeff.mischkin@oracle.com](mailto:jeff.mischkin@oracle.com))

Jacques Durand, Fujitsu ([jdurand@fsw.fujitsu.com](mailto:jdurand@fsw.fujitsu.com))

Narendra Patil, Optimyz Software, Inc. ([naren@optimyz.com](mailto:naren@optimyz.com))

Steve Holbrook, IBM ([shh@us.ibm.com](mailto:shh@us.ibm.com))

17 This Working Group will produce Test Material and Tools for testing conformance to the WS-I  
 18 Basic Profile 1.0 , as well as of all WS-I future profiles. Support for testing WS-I profiles  
 19 includes configurable tools that can handle several profiles. It also includes documentation and  
 20 process for supporting the development of Test Material and tools.

## 23 *Table of Contents*

- 25 **1. Goals and Mission**
- 26 **2. Working Group Chair, Co-Chair**
- 27 **3. Scope of Effort**
- 28 **4. Duration of Working Group**
- 29 **5. Deliverables**
- 30 **6. Delivery Program**
- 31 **7. Critical Dependencies with Other WS-I Working Groups**

### 35 **1. Goals and Mission**

37 The Test Working Group will develop the supporting documentation and process for WS-I  
 38 I Test Tools development, and will develop or supervise the development of the Test  
 39 Materials used to test Web service implementations for conformance with Web Services  
 40 profiles.

### 43 **2. Working Group Chair**

46 The Working Group chair will be appointed by the Board on an annual basis, on the  
 47 anniversary of the charter. Should the chair step down the board will appoint a new  
 48 chair.

### 50 **3. Scope of Effort**

52 This Working Group will develop WS-I Test Material and Tools that will facilitate the  
 53 verification of conformance to WS-I profiles.

55 The artifacts monitored and analyzed by the tools include message material, Web  
 56 Service description material and registry material.

58 For each WS-I profile, the working group will define test assertions as a testable  
 59 interpretation of the profile definitions, gathered in Test Assertions documents.

61 The working group will define or supervise the definition of test case material  
 62 necessary to verify that the tools behave as expected, and that multiple WS-I tool  
 63 implementations function in a consistent manner.

66 Tools produced will attempt to implement testing of all assertions within Test Assertion  
 67 documents in support of the use of these tools in the evaluation of profile compliance.

69 When the testing target is a Web Services platform or tool that implements a  
 70 specification that is itself underlying to a profile (such as SOAP, WSDL, HTTP), the  
 71 working group is not required to handle exhaustive testing of such tools or platforms

72 for conformance to such underlying specifications. It is assumed that this level of  
73 conformance is already provided by specific test suites and tools that are out of the  
74 scope of this charter. Web Service platform or development tool under test are  
75 expected to have passed conformance to the underlying specifications they claim to  
76 implement.

77  
78 This Working Group will not develop WS-I Profiles, Scenarios, Sample Applications, or  
79 any material other than that which is either listed in the deliverables section of this  
80 Charter, or which is supporting these deliverables.  
81

82  
83 **4. Duration of Working Group**  
84

85 This Working Group replaces the WS-I Basic Profile Testing Tools and Material Working  
86 Group. It has no fixed end date. Prior to the annual anniversary of the Working  
87 Group's inception, the Board of Directors will re-confirm this Charter.  
88

89  
90 **5. Deliverables**  
91

92 The Test Tools Development Working Group will produce the following types of  
93 deliverable material:  
94

- 95 1. WS-I Testing Methodology White paper.
- 96 2. WS-I Testing Tools Specification for the testing of one or more profiles.
- 97 3. At least one implementation of each Testing Tools specification, packaged in such  
98 a way that they can be used by Web Services developers, with supporting user  
99 documentation. Whenever a programming language is involved, each tool release  
100 will include at least two equivalent implementations, one in C# and one in Java, as  
101 required by the by-laws, Article VII, Section 1.
- 102 4. Test Assertions Documents: one or more documents for each profile to be tested,  
103 in a format such that they can be processed as input to the Testing Tools.
- 104 5. WS-I Experience Report: Tool Development as a component of WS-I Profile  
105 Development. Testing Tools Experience Report will be used and classified as an  
106 Administrative document and will not be published for external use.
- 107 6. Test environment and test cases for verifying the conformance of testing tools to  
108 their specification, as well as to verify the equivalence of different  
109 implementations.  
110

111 In addition to these deliverables, the working group will also develop and apply processes for:  
112

- 113
- 114 7. Collecting feedback and controlling the production and delivery of errata.
- 115 8. Producing and maintaining a list of current errata for each tool and document  
116 (specifications and test assertions).
- 117 9. Deciding whether a software deliverable is ready for vote as working group draft or  
118 as board approval draft, by using and applying specific release guideline criteria.  
119

120  
121  
122 **6. Delivery Programs**  
123

124 Deliverables will be provided from the Working Group to the Board for board approval  
125 on a schedule to be agreed and coordinated by the Technical Coordination Group  
126 (TCG). The detailed content and schedule for each deliverable or each group of  
127 deliverables - typically covering a one year period - will be described in a document  
128 called "Profile Testing Tools Working Group Delivery Program".  
129

130 Before being considered an official work target for the working group, a Delivery  
131 Program must be agreed upon by the TCG, and submitted to the WS-I board. It must be  
132 approved by the board. Any change requested to the Delivery Program (e.g. nature of  
133 content, delivery dates) must also be approved by the TCG and by the board.  
134  
135  
136

137 **7. Critical Dependencies with Other WS-I Working Groups**  
138

- 139
- 140 1. The Testing Tool Working Group will require the timely delivery of the definition of  
141 the Web Services Profile under test. Testing tools typically need a minimum of two  
142 weeks to adjust to an update of a profile under test..
  - 143 2. The Testing Tool Working group will use the Sample Applications produced by the  
144 Web Services Basic Sample Application Working Group to verify the quality and  
145 usability of Testing Tools and configurations. Conversely, the Sample Application  
146 WG needs the Testing Tools to verify conformance of their application material,  
147 before release.
  - 148 3. The Testing Tools Working Group will require timely review of its Test Assertion  
149 Documents by the Profile working groups, for consistency with their profile  
150 definitions. Conversely, the testing Tools WG will give feedback to the Profile  
151 working groups about their profile definitions.  
152