



# Test Assertions for the SCA Web Service Binding Version 1.1 Specification

## Working Draft 02

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### Related Work:

This specification is related to:

- Service Component Architecture Web Service Binding Specification Version 1.1

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None

### Abstract:

This document defines the Test Assertions for the SCA Web Service Binding specification.

The Test Assertions represent the testable items relating to the normative statements made in the SCA Assembly specification. The Test Assertions provide a bridge between the normative statements in the specification and the conformance TestCases which are designed to check that an SCA runtime conforms to the requirements of the specification.

**Status:**

This document was last revised or approved by the [OASIS Service Component Architecture / Bindings \(SCA-Bindings\)](#) TC on the above date. The level of approval is also listed above. Check the "Latest Version" or "Latest Approved Version" location noted above for possible later revisions of this document.

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# 1 Introduction

This document defines the Test Assertions for the SCA Web Service Binding Specification Version 1.1 [SCA-WSBinding].

The test assertions in this document follow the format defined in the OASIS Test Assertion Guidelines specification [TA-GUIDE].

## 1.1 Example Test Assertion

Test assertions are presented in a tabular format with rows corresponding to the entry types defined in [TA-GUIDE].

Assertion ID	BWS-TA-xxxx
Source	[BWSyyyyy]
Target	<kitchenSink/> element of composite file
Prerequisites	The <kitchenSink/> element has a @drain attribute
Predicate	The @drain attribute value of the <kitchenSink/> element is a URI that identifies a portal into the sewage system of the Domain.
Prescription Level	Mandatory
Tags	kitchenSink drain sewage

**Assertion ID:** Is a unique ID for the test assertion. Its format starts with a 3 letter string that identifies the specification to which it relates - "BWS" is for the SCA Web Service Binding specification. This is followed by "-TA-" to indicate that this identifier is for a test assertion. This is then followed by a unique 4 digit number.

**Source:** Is the identifier(s) of the normative statement(s) in the specification to which this assertion relates.

**Target:** Identifies the target which is addressed by this assertion. This is typically some SCA document element, or other SCA artifact but possibly could identify an SCA runtime and its behaviour.

**Prerequisites:** Defines any prerequisites for this test assertion. The prerequisites may be defined in terms of one or more other test assertions that must be true.

**Predicate:** The meat of the assertion - something that should evaluate to true or false for the given target.

**Prescription Level:** Mandatory (for MUST requirements) or Preferred (for SHOULD requirements) or Permitted (for MAY requirements).

**Tags:** Zero or more labels that may be attached to this test assertion - these tags can be used to group sets of assertions.

## 1.2 Terminology

The keywords "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this specification are to be interpreted as described in IETF RFC 2119 [RFC 2119].

## 1.3 Normative References

- [RFC 2119]** S. Bradner. *Key words for use in RFCs to Indicate Requirement Levels*. IETF RFC 2119, March 1997. <http://www.ietf.org/rfc/rfc2119.txt>.
- [TA-GUIDE]** Test Assertion Guidelines, Draft 0.9.9.6, 16 November, 2008.
- [SCA-WSBinding]** OASIS Committee Draft 03, "Service Component Architecture Web Service Binding Specification Version 1.1," July 2009. <http://docs.oasis-open.org/opensca/sca-bindings/sca-wsbinding-1.1-spec-cd03.pdf>

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## 2 Test Assertions

### 2.1 Section 2 Test Assertions

Assertion ID	BWS-TA-20001
Source	[BWS20001]
Target	The reference/binding.ws/@uri attribute
Prerequisites	
Predicate	The value of the attribute is an absolute value
Prescription Level	Mandatory
Tags	"uri attribute" "reference target"

Assertion ID	BWS-TA-20002
Source	[BWS20002]
Target	The binding.ws/@wsdlElement attribute
Prerequisites	
Predicate	The value of the attribute points to an existing WSDL 1.1 element
Prescription Level	Mandatory
Tags	"wsdlElement"

Assertion ID	BWS-TA-20003
Source	[BWS20003]
Target	The service/binding.ws/@wsdlElement attribute
Prerequisites	
Predicate	The value of the attribute is not of the form <WSDL-namespace-URI>#wsdl.service(<service-name>)
Prescription Level	Mandatory
Tags	"wsdlElement"

Assertion ID	BWS-TA-20004
Source	[BWS20004]
Target	The reference/binding.ws/@wsdlElement attribute

Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.service(<service-name>)
Predicate	The set of available ports for that reference-binding is non-empty
Prescription Level	Mandatory
Tags	"wsdlElement" "reference target" "port"
Comment	Awkward wording. Plus the set of available ports is for the reference binding not just the reference.

Assertion ID	BWS-TA-20005
Source	[BWS20005]
Target	SCA runtime
Prerequisites	The value of the attribute reference/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.service(<service-name>) and SCA runtime does not support any of the available ports
Predicate	The SCA runtime raises an error
Prescription Level	Mandatory
Tags	"wsdlElement" "reference target" "error"

Assertion ID	BWS-TA-20006
Source	[BWS20006]
Target	SCA runtime
Prerequisites	The value of the attribute reference/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.service(<service-name>) and the number of available ports is more than one
Predicate	The SCA runtime uses exactly one port for each invocation
Prescription Level	Mandatory
Tags	"wsdlElement" "reference target"
Comment	Untestable?

Assertion ID	BWS-TA-20007
Source	[BWS20007]
Target	The service/binding.ws/@wsdlElement attribute
Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.port(<service-name>/<port-name>)
Predicate	The portType associated with the port is compatible with the service interface and satisfies all the policy constraints of the binding



Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	Would require multiple tests

Assertion ID	BWS-TA-20008
Source	[BWS20008]
Target	SCA runtime
Prerequisites	The value of the attribute service/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.port(<service-name>/<port-name>)
Predicate	The SCA runtime exposes the endpoint specified by the WSDL port or raises an error if the port is not supported
Prescription Level	Mandatory
Tags	"wsdlElement"

Assertion ID	BWS-TA-20009
Source	[BWS20009]
Target	The reference/binding.ws/@wsdlElement attribute
Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.port(<service-name>/<port-name>)
Predicate	The portType associated with the port is compatible superset of the reference interface and satisfies all the policy constraints of the binding
Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	Would require multiple tests

Assertion ID	BWS-TA-20010
Source	[BWS20010]
Target	SCA runtime
Prerequisites	The value of the attribute reference/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.port(<service-name>/<port-name>)
Predicate	The SCA runtime uses the endpoint specified by the WSDL port for invocations or raises an error if the port is not supported
Prescription Level	Mandatory
Tags	"wsdlElement"

Comment	Looks incorrect, what if there is an alternate binding specified?
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Assertion ID	BWS-TA-20011
Source	[BWS20011]
Target	The service/binding.ws/@wsdlElement attribute
Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.binding(<binding-name>)
Predicate	The portType associated with the WSDL binding is compatible with the service interface and satisfies all the policy constraints of the binding
Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	Would require multiple tests

Assertion ID	BWS-TA-20012
Source	[BWS20012]
Target	SCA runtime
Prerequisites	The value of the attribute service/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.binding(<binding-name>)
Predicate	The SCA runtime exposes an endpoint using the specified WSDL binding or raises an error if the WSDL binding is not supported
Prescription Level	Mandatory
Tags	"wsdlElement"

Assertion ID	BWS-TA-20013
Source	[BWS20013]
Target	The reference/binding.ws/@wsdlElement attribute
Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.binding(<binding-name>)
Predicate	The portType associated with the WSDL binding is compatible superset of the reference interface and satisfies all the policy constraints of the binding
Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	Would require multiple tests

Assertion ID	BWS-TA-20014
Source	[BWS20014]
Target	SCA runtime
Prerequisites	The value of the attribute reference/binding.ws/@wsdlElement is of the form <WSDL-namespace-URI>#wsdl.binding(<binding-name>)
Predicate	The SCA runtime uses the WSDL binding specified for reference invocations or raises an error if the WSDL binding is not supported
Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	Looks incorrect, what if there is an alternate binding specified?

Assertion ID	BWS-TA-20015
Source	[BWS20015]
Target	The reference/binding.ws/@wsdlElement attribute
Prerequisites	The value of the attribute is of the form <WSDL-namespace-URI>#wsdl.binding(<binding-name>)
Predicate	The endpoint address is either specified by the reference/binding.ws/@uri attribute, or the reference/binding.ws/EndpointReference element, except for the cases where the SCA Assembly specification allows the @uri attribute to be omitted
Prescription Level	Mandatory
Tags	"wsdlElement"
Comment	The predicate should be exemplified to include the exception cases. Would require multiple tests (positive and negative)

Assertion ID	BWS-TA-20016
Source	[BWS20017]
Target	The binding.ws element
Prerequisites	The attribute wsdl:wsdlLocation attribute is present
Predicate	The attribute wsdlElement is also present on the same binding.ws element
Prescription Level	Mandatory
Tags	"wsdlElement" "wsdlLocation"

Assertion ID	BWS-TA-20017
Source	[BWS20018]

Target	The binding.ws/@wsdli:wsdlLocation attribute
Prerequisites	
Predicate	The attribute value points to an existing WSDL 1.1 document
Prescription Level	Mandatory
Tags	"wsdlLocation"
Comment	Minor quibble: why is 'existing' needed here?  Also it should say something more: it shouldn't just point to any WSDL 1.1 doc, but a doc that contain artifacts related to the element pointed to by the wsdlElement attr

Assertion ID	BWS-TA-20018
Source	[BWS20019]
Target	The binding.ws element
Prerequisites	
Predicate	The uri attribute, the endpointReference element and the wsdlElement attribute referring to a WSDL port or service are mutually exclusive
Prescription Level	Mandatory
Tags	"wsdlElement" "uri" "endpoint reference"

Assertion ID	BWS-TA-20019
Source	[BWS20020]
Target	The service/callback/binding.ws element
Prerequisites	
Predicate	The uri attribute or endpointReference element are absent
Prescription Level	Mandatory
Tags	"callback" "uri" "endpoint reference"

Assertion ID	BWS-TA-20020
Source	[BWS20021]
Target	SCA runtime
Prerequisites	
Predicate	All attributes of binding.ws, i.e., name, uri, requires, policSets, wsdlElement, wsdl:wsdlLocation are supported
Prescription	Mandatory

Level	
Tags	"wsdlElement" "uri" "requires" "policySets" "name" "wsdlLocation"

Assertion ID	BWS-TA-20021
Source	[BWS20022]
Target	SCA runtime
Prerequisites	
Predicate	binding.ws/endpointReference element is supported
Prescription Level	Preferred
Tags	"endpointReference" "SCA runtime"

Assertion ID	BWS-TA-20022
Source	[BWS20023]
Target	SCA runtime
Prerequisites	SCA runtime does not support binding.ws/endpointReference element
Predicate	Rejects any conformant SCA WS Binding XML document that contains binding.ws/endpointReference element
Prescription Level	Mandatory
Tags	"endpointReference" "SCA runtime"

Assertion ID	BWS-TA-20023
Source	[BWS20024]
Target	binding.ws element
Prerequisites	
Predicate	Conforms to the schema located at the target namespace
Prescription Level	Mandatory
Tags	"schema"

Assertion ID	BWS-TA-20024
Source	[BWS20025]
Target	SCA runtime
Prerequisites	Reference binding that uses binding.ws does not contain a target address

Predicate	SCA runtime raises an error
Prescription Level	Mandatory
Tags	"target address" "SCA runtime"

Assertion ID	BWS-TA-20025
Source	[BWS20026]
Target	reference/binding.ws
Prerequisites	
Predicate	The target address is specified
Prescription Level	Mandatory
Tags	"target address"

Assertion ID	BWS-TA-20026
Source	[BWS20027]
Target	SCA runtime
Prerequisites	binding.ws is used on a service or a reference that has an interface which is not defined using interface.wsdl
Predicate	A WSDL portType is derived for the service or the reference using the mapping rules defined for that interface type
Prescription Level	Mandatory
Tags	"sca runtime" "interface mapping"
Comment	s/rules/WSDL-mapping rules/

Assertion ID	BWS-TA-20027
Source	[BWS20028]
Target	SCA runtime
Prerequisites	binding.ws is used on a service or a reference that has an interface which is not defined using interface.wsdl
Predicate	An error is raised if the interface used cannot be mapped to a WSDL portType
Prescription Level	Mandatory
Tags	"sca runtime" "interface mapping"

Assertion ID	BWS-TA-20028
Source	[BWS20029]
Target	SCA runtime
Prerequisites	A service that uses binding.ws with an HTTP endpoint is hosted by the SCA runtime
Predicate	The service returns a WSDL description of itself in response to an HTTP GET request with the "?wsdl" suffix added to the service endpoint URL
Prescription Level	Preferred
Tags	"sca runtime" "HTTP GET" "WSDL description"
Comment	s/to that HTTP endpoint/added to the service endpoint URL/

Assertion ID	BWS-TA-20029
Source	[BWS20030]
Target	SCA runtime
Prerequisites	A service that uses one of more instances of binding.ws but none of them have HTTP endpoints
Predicate	The SCA runtime provides some means for obtaining the WSDL description of the service
Prescription Level	Preferred
Tags	"sca runtime" "WSDL description"

Assertion ID	BWS-TA-20030
Source	[BWS20032]
Target	SCA runtime
Prerequisites	
Predicate	The SCA runtime supports all the WSDL extensions defined in the namespace "http://docs.oasis-open.org/ns/opencsa/sca/200903"
Prescription Level	Mandatory
Tags	"sca runtime" "WSDL extension"

Assertion ID	BWS-TA-20031
Source	[BWS20033]
Target	SCA runtime
Prerequisites	
Predicate	The SCA runtime supports the WSDL 1.1 binding extension for SOAP 1.1

	over HTTP, as identified by the WSDL element wsoap11:binding that has the @transport attribute with a value of "http://schemas.xmlsoap.org/soap/http"
Prescription Level	Mandatory
Tags	"sca runtime" "WSDL extension" "SOAP 1.1"

Assertion ID	BWS-TA-20032
Source	[BWS20034]
Target	SCA runtime
Prerequisites	
Predicate	The SCA runtime supports the WSDL 1.1 binding extension for SOAP 1.2 over HTTP, as identified by the WSDL element wsoap12:binding that has the @transport attribute with a value of "http://schemas.xmlsoap.org/soap/http"
Prescription Level	Preferred
Tags	"sca runtime" "WSDL extension" "SOAP 1.2"

Assertion ID	BWS-TA-20033
Source	[BWS20035]
Target	?? (definitions XML info set?)
Prerequisites	
Predicate	The <bindingType> element associated with binding.ws includes the SOAP.1_1 intent in its @mayProvides or @alwaysProvides attributes
Prescription Level	Mandatory
Tags	"SOAP 1.1" "bindingType" "intent" "mayProvides" "alwaysProvides"
Comment	What is the target for this?

Assertion ID	BWS-TA-20034
Source	[BWS20036]
Target	?? (definitions XML info set?)
Prerequisites	
Predicate	The <bindingType> element associated with binding.ws includes the SOAP.1_2 intent in its @mayProvides attribute
Prescription Level	Preferred
Tags	"SOAP 1.2" "bindingType" "intent" "mayProvides"



Comment	What is the target for this?
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Assertion ID	BWS-TA-20035
Source	[BWS20037]
Target	SCA runtime
Prerequisites	
Predicate	The SCA runtime raises an error if <binding.ws> is configured with a policy intent that conflicts with the binding instance's configuration
Prescription Level	Mandatory
Tags	"SCA runtime" "intent"

Assertion ID	BWS-TA-40001
Source	[BWS40001]
Target	SCA runtime
Prerequisites	SOAP intent is required
Predicate	The SCA runtime transmits and receives messages using one or more versions of SOAP
Prescription Level	Mandatory
Tags	"SCA runtime" "intent" "SOAP"

Assertion ID	BWS-TA-40002
Source	[BWS40002]
Target	SCA runtime
Prerequisites	SOAP.1_1 intent is required
Predicate	The SCA runtime transmits and receives messages using only SOAP 1.1
Prescription Level	Mandatory
Tags	"SCA runtime" "intent" "SOAP"

Assertion ID	BWS-TA-40003
Source	[BWS40003]
Target	SCA runtime
Prerequisites	SOAP.1_2 intent is required

Predicate	The SCA runtime transmits and receives messages using only SOAP 1.2
Prescription Level	Mandatory
Tags	"SCA runtime" "intent" "SOAP"

Assertion ID	BWS-TA-40004
Source	[BWS40004]
Target	??
Prerequisites	
Predicate	For an SCA service or reference element, the portType from the service's or reference's interface or derived from that interface follows either the rpc-literal pattern or the document-literal pattern
Prescription Level	Mandatory
Tags	"SCA runtime" "intent" "SOAP"
Comment	What is the target here? I see multiple targets: CT, implementation code, service/interface, reference/interface

Assertion ID	BWS-TA-40005
Source	[BWS40005]
Target	SCA runtime
Prerequisites	The transport details are not otherwise determined
Predicate	The default transport binding rules are used
Prescription Level	Mandatory
Tags	"SCA runtime" "default transport binding rules"
Comment	The precondition is vague. What does 'not otherwise determined' mean? Shouldn't we enumerate when this happens?

Assertion ID	BWS-TA-40006
Source	[BWS40006]
Target	SCA runtime
Prerequisites	Default transport binding rules are used
Predicate	Additional WSDL bindings can be provided unless policy is applied that restricts this
Prescription Level	Permitted
Tags	"SCA runtime" "default transport binding rules"

Comment	The final clause of the sentences is unnecessary – it is a MAY. Why is this necessary and why is it explicitly called out for only default transport binding
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Assertion ID	BWS-TA-40007
Source	[BWS40007]
Target	SCA runtime
Prerequisites	Default transport binding rules are used along with rpc-literal pattern
Predicate	SCA runtime uses the structural URI associated with the binding as the namespace of the child elements of the SOAP body element
Prescription Level	Preferred
Tags	“SCA runtime” “default transport binding rules” “rpc-literal”

Assertion ID	BWS-TA-50001
Source	[BWS50002]
Target	SCA runtime
Prerequisites	SCA Web Services Callback Protocol is used in conjunction with a bidirectional interface
Predicate	Every request message that invokes the forward interface contain a Callback EPR
Prescription Level	Mandatory
Tags	“SCA runtime” “SCA Web Services Callback Protocol”

Assertion ID	BWS-TA-50002
Source	[BWS50004]
Target	SCA runtime
Prerequisites	The Callback EPR's [address] value is "http://www.w3.org/2005/08/addressing/anonymous" or "http://www.w3.org/2005/08/addressing/none"
Predicate	An Invalid Addressing Header fault is generated as specified in Section 6.4.1 of WS-Addressing 1.0 SOAP Binding
Prescription Level	Mandatory
Tags	“SCA runtime” “SCA Web Services Callback Protocol” “callback EPR”

Assertion ID	BWS-TA-50003
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Source	[BWS50005]
Target	SCA runtime
Prerequisites	The callback interface is invoked using the SCA Web Services Callback Protocol
Predicate	The Callback EPR from a request message that invoked the forward interface is used to invoke the callback interface
Prescription Level	Mandatory
Tags	"SCA runtime" "SCA Web Services Callback Protocol" "callback EPR"

Assertion ID	BWS-TA-50004
Source	[BWS50006]
Target	SCA runtime
Prerequisites	The Callback EPR is selected to invoke the callback interface
Predicate	The rules defined in Section 3.3 of WS-Addressing 1.0 – Core are followed to invoke operations on the callback interface using the Callback EPR
Prescription Level	Mandatory
Tags	"SCA runtime" "SCA Web Services Callback Protocol" "callback EPR"

Assertion ID	BWS-TA-50005
Source	[BWS50007]
Target	SCA runtime
Prerequisites	The request message from which the Callback EPR was obtained contained the wsa:MessageID SOAP header block
Predicate	The callback message contains the wsa:RelatesTo SOAP header block
Prescription Level	Mandatory
Tags	"SCA runtime" "SCA Web Services Callback Protocol" "callback EPR"

Assertion ID	BWS-TA-50006
Source	[BWS50008]
Target	SCA runtime
Prerequisites	The request message from which the Callback EPR was obtained contained the wsa:MessageID SOAP header block
Predicate	The wsa:RelatesTo SOAP header block in the callback message has the relationship type value of "http://docs.oasis-open.org/opencsa/sca-bindings/ws/callback" and the related message id is the wsa:MessageID of the message from which the Callback EPR was obtained

Prescription Level	Mandatory
Tags	“SCA runtime” “SCA Web Services Callback Protocol” “callback EPR”

Assertion ID	BWS-TA-50007
Source	[BWS50009]
Target	SCA runtime
Prerequisites	The request message from which the Callback EPR was obtained does not contain the wsa:MessageID SOAP header block
Predicate	The callback message does not contain the wsa:RelatesTo SOAP header block with a relationship type value of "http://docs.oasis-open.org/opencsa/sca-bindings/ws/callback"
Prescription Level	Mandatory
Tags	“SCA runtime” “SCA Web Services Callback Protocol” “callback EPR”

Assertion ID	BWS-TA-50008
Source	[BWS50010]
Target	SCA runtime
Prerequisites	WSCallback policy assertion is present in the effective policy of a service/binding or a reference/binding
Predicate	The SCA Web Services Callback Protocol is used to invoke callbacks for that binding
Prescription Level	Mandatory
Tags	“SCA runtime” “SCA Web Services Callback Protocol” “WSCallback policy assertion”

Assertion ID	BWS-TA-50009
Source	[BWS50013]
Target	WSDL document (?)
Prerequisites	
Predicate	The wsdl:portType that is used does not have WSCallback policy assertion attached
Prescription Level	Mandatory
Tags	“WSCallback policy assertion”
Comment	We haven't defined WSDL document as the target. Is the appropriate target the composite/CT document that points to such a WSDL?

Assertion ID	BWS-TA-50010
Source	[BWS50014]
Target	?
Prerequisites	Policy contains WSCallback policy assertion
Predicate	The policy or the assertion is signed
Prescription Level	Preferred
Tags	"WSCallback policy assertion"
Comment	Policies can be inlined or attached. Which target should be used: WSDL doc, policy attachments, composites/CT/impl code, all of them?

Assertion ID	BWS-TA-50011
Source	[BWS50015]
Target	SCA runtime
Prerequisites	Policy contains WSCallback policy assertion which is either not signed or does not have an associated security token to specify that the signer has the proper claims for the policy
Predicate	The policy is rejected
Prescription Level	Preferred
Tags	"WSCallback policy assertion"

### 3 Cross Mapping of Conformance Statements to Assertions

Conformance statement	Test Assertion
BWS20001	BWS-TA-20001
BWS20002	BWS-TA-20002
BWS20003	BWS-TA-20003
BWS20004	BWS-TA-20004
BWS20005	BWS-TA-20005
BWS20006	BWS-TA-20006
BWS20007	BWS-TA-20007
BWS20008	BWS-TA-20008
BWS20009	BWS-TA-20009
BWS20010	BWS-TA-20010
BWS20011	BWS-TA-20011
BWS20012	BWS-TA-20012
BWS20013	BWS-TA-20013
BWS20014	BWS-TA-20014
BWS20015	BWS-TA-20015
BWS20017	BWS-TA-20016
BWS20018	BWS-TA-20017
BWS20019	BWS-TA-20018
BWS20020	BWS-TA-20019
BWS20021	BWS-TA-20020
BWS20022	BWS-TA-20021
BWS20023	BWS-TA-20022
BWS20024	BWS-TA-20023
BWS20025	BWS-TA-20024
BWS20026	BWS-TA-20025
BWS20027	BWS-TA-20026
BWS20028	BWS-TA-20027
BWS20029	BWS-TA-20028
BWS20030	BWS-TA-20029
BWS20032	BWS-TA-20030
BWS20033	BWS-TA-20031
BWS20034	BWS-TA-20032
BWS20035	BWS-TA-20033
BWS20036	BWS-TA-20034
BWS20037	BWS-TA-20035
BWS40001	BWS-TA-40001
BWS40002	BWS-TA-40002
BWS40003	BWS-TA-40003
BWS40004	BWS-TA-40004

<b>Conformance statement</b>	<b>Test Assertion</b>
BWS40005	BWS-TA-40005
BWS40006	BWS-TA-40006
BWS40007	BWS-TA-40007
BWS50002	BWS-TA-50001
BWS50004	BWS-TA-50002
BWS50005	BWS-TA-50003
BWS50006	BWS-TA-50004
BWS50007	BWS-TA-50005
BWS50008	BWS-TA-50006
BWS50009	BWS-TA-50007
BWS50010	BWS-TA-50008
BWS50013	BWS-TA-50009
BWS50014	BWS-TA-50010
BWS50015	BWS-TA-50011



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## 4 Conformance

There are no conformance statements relating to the Test Assertions.

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## Appendix A. Acknowledgments

The following individuals have participated in the creation of this specification and are gratefully acknowledged

### Participants:

- [Participant name, affiliation | Individual member]
- [Participant name, affiliation | Individual member]
- [Participant name, affiliation | Individual member]

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## Appendix B. Revision History

Revision	Date	Editor	Changes Made
1	09/09/09	Anish Karmarkar	Created the initial draft with the first 15 assertions
2	10/07/09	Anish Karmarkar	Included all the assertions and mappings