



TestCases for the SCA Policy Framework Version 1.1 Specification

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- [Service Component Architecture Policy Framework Specification Version 1.1](#)

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Abstract:

This document defines the TestCases for the SCA Policy specification.

The TestCases represent a series of tests that an SCA runtime must pass in order to claim conformance to the requirements of the SCA Policy specification.

Status:

This document was last revised or approved by the OASIS Service Component Architecture / Policy (SCA-Policy) TC on the above date. The level of approval is also listed above. Check the “Latest Version” or “~~Latest Approved 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 TestCases for the SCA Policy Framework specification.

The tests described in this document are related to the Test Assertions described in the SCA Policy Test Assertions document [POLICY-TA].

1.1 TestCase Structure

The SCA Policy testcases follow a standard structure. They are divided into two main parts:

1. Test Client, which drives the test and checks that the results are as expected
2. Test Application, which forms the bulk of the testcase and which consists of Composites, WSDL files, XSDs and code artifacts such as Java classes, organized into a series of SCA contributions

The basic idea is that the Test Application runs on the SCA runtime that is under test, while the Test Client runs as a standalone application, invoking the Test Application through one or more service interfaces.

Test Client

The test client is designed as a standalone application. The version built here is a Java application which uses the JUnit test framework, although in principle, the client could be built using another implementation technology.

The test client is structured to contain configuration information about the testcase, which consists of:

1. metadata identifying the Test Application in terms of the SCA Contributions that are used and the Composites that must be deployed and run
2. data indicating which service operation(s) must be invoked with input data and expected output data (including exceptions for expected failure cases)

The Java test client consists of a base runtime class, BaseJAXWSTestCase.java. Each actual testcase is implemented by a small class which extends the base runtime class. The bulk of the code required to run a test is held in the base runtime class. The small testcase class contains the configuration for the specific test, which it provides to the code in the base runtime class through a standard interface.

The Java test client base runtime class is structured so that there is a replaceable class called the RuntimeBridge, which is used to communicate with the SCA runtime under test, for the purposes of deploying and running the test application. Each SCA runtime provider can produce a version of this class. The code within the runtime bridge is likely to be highly proprietary and specific to the SCA runtime for which it is written. Which runtime bridge class is used at runtime is controlled by an environment variable or system variable with the name "OASIS_TESTENV_RUNTIME_BRIDGE_CLASS", which is read by the code in BaseJAXWSTestCase.

The Test Client defaults to using Web services to communicate with the test application. The client is structured to permit Web services to be replaced by some other binding (e.g. JMS) should the SCA runtime under test not support Web services as a binding technology.

Test Application

Each Test Application consists of one top level SCA Composite file and one or more other SCA Composite files and their associated artifacts (implementations, interface files), plus test client invocation application described above.

A typical test application has a design where the top level composite offers a single service to the client application over a Web services binding. The top level composite contains one component which offers the service that is used by the client application. The top level composite then contains one or more other components which are used by the first component.

All of the components in the top level composite are implemented by composites. These second level composites then contain typically one component, implemented using a specific technology such as Java POJO. In some cases the implementation may be a third level composite.

The application is structured so that alternative technologies can be used. For example, replacing the contents of the second-level or third-level composites allows different implementation technologies to be tested – eg POJOs or BPEL may be used. Similarly, the binding used to connect from the top level composite to the client application may be changed from Web services to JMS if required, simply by changing the binding on the <service/> of the top level composite.

Which implementation language to use for test artifacts is controlled by a system variable or environment variable which is read by the test client application, with the name "OASIS_TESTENV_IMPL_LANG". This variable can have one of the following values:

- "Java" - for Java implementations

The testcases are designed so that the range of implementation types can be expanded

Test Artifacts Organization

Note that the design of these testcases promotes reuse of artifacts between testcases, so that many testcases share components. For example, components implementing simple invocable services are all implemented using a single parameterized implementation artifact.

All the test artifacts are contained in a number of Contributions, which are simply filesystem directories which are all peers in the filesystem hierarchy. The names of the directories are the names of the Contributions and the names are significant. The names of Contributions containing implementation type specific artifacts (such as Java classes) are also specially structured to allow for replacement of one type of implementation artifact with another.

Broadly, Contribution names are as follows:

- POL_nnnn - a contribution that is specific for a particular testcase, where "nnnn" is the number of the testcase. Often this is required because a particular testcase involves artifacts that contain errors that are statically checkable - an SCA runtime is permitted to reject such artifacts when they are contributed and deployed and it is important to ensure that contributions containing deliberate errors for one testcase do not interfere with the operation of other testcases.
- General - a shared contribution containing implementation type independent artifacts that can be used by many testcases.
- General_Java - a shared contribution containing implementation type dependent artifacts for Java POJOs. These artifacts can include both Java classes and also SCA composites that directly use Java classes.

Note that the names of Contributions containing implementation specific artifacts ends with a name that is specific to the implementation type - so "_Java" is used for Java implementations. Note that the name

following the underscore matches the name used in the "OASIS_TESTENV_IMPL_LANG" variable used to control execution of the test client. The concept is that where there is an implementation type specific contribution, each implementation type must provide its own versions of the same basic artifacts. Typically, this means that each contribution must contain the same set of Composites, but that the implementation type dependent artifacts that these composites use will differ from implementation type to implementation type.

Basically, the setting of the variable is used to select the suffix used for implementation type dependent contributions. If the variable is set to "Java" then the contribution "General_Java" is selected, whereas if the variable is set to "BPEL", the contribution "General_BPEL" is selected.

TestCase Groups

The SCA Policy FW specification [POLICY] contains some optional capabilities in the way that policySets are attached to SCA composites. Specifically, policySets can be attached directly, externally or both ways. An SCA runtime has the freedom to choose which of those three sets of capability to implement. There are three groups of testcases which match each set of capability. In order to claim compliance to the test suite, an SCA implementation has to pass all the tests in at least one of the three groups. The three groups are defined in Section "Testcases Grouped by Optional Capability".

1.2 Namespaces and Java Package Names

The SCA Policy testcase suite makes use of some XML namespaces and Java package names, as follows:

SCA Artifact Namespaces

These apply to artifacts such as Composites

<http://docs.oasis-open.org/ns/opensca/scatests/200903>

WSDL Namespace

<http://test.sca.oasisopen.org/>

Java Package name

For Java interface classes and for Java implementation classes

`org.oasisopen.sca.test`

1.3 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 \[RFC 2119\]](#)

1.4 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>.

[POLICY-TA] OASIS Committee Draft 02, “Test Assertions for the SCA Policy Framework 1.1 Specification”, September 2010.

<http://docs.oasis-open.org/opencsa/sca-policy/sca-policy-1.1-test-assertions-CD02.pdf>, “Test Assertions for the SCA Policy Framework 1.1 Specification”, April 2010.

[POLICY] OASIS Committee Draft 04, “SCA Policy Framework 1.1 Specification”, September 2010. <http://docs.oasis-open.org/opencsa/sca-policy/sca-policy-1.1-spec-cd04.pdf>

~~<http://docs.oasis-open.org/opencsa/sca-policy/sca-policy-1.1-test-assertions.pdf>~~

1.5 Non-Normative References

[TBD]

[TBD]

2 TestCases

2.1 Section 3

POL_3001_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_3001_TestCase |
| Test Assertion | POL-TA-30001 |
| Description | Tests that the runtime rejects a composite where the use of an intent conflicts with the configuration of the binding itself. |
| Artifacts | POL_3001_TestCase.java Test_POL_3001.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite Service1.wsdl Service1.java service1Impl.java |
| Expected output | Negative test: "exception" |

POL_3002_TestCasePOL_3002_TestCase

| | |
|----------------|--|
| Testcase ID | POL_3002_TestCase |
| Test Assertion | POL-TA-30002 |
| Description | Tests that the runtime rejects a composite where the use of a policySet conflicts with the configuration of the binding itself. |
| Artifacts | POL_3002_TestCase.java Test_POL_3002.composite TestInvocation.wsdl TestClient_0002.composite TestComposite0.composite Service1.wsdl |

| | |
|-----------------|---|
| | Service1.java service1Impl.java definitions.xml |
| Expected-output | Negative test: "exception" |
| Testcase ID | POL_3002_TestCase |
| Test Assertion | POL-TA-30002 |
| Description | Tests that the runtime rejects a composite where the use of a policySet conflicts with the configuration of the binding itself. |
| Artifacts | POL_3002_TestCase.java Test_POL_3002.composite TestInvocation.wsdl TestClient_0002.composite TestComposite0.composite Service1.wsdl Service1.java service1Impl.java definitions.xml |
| Expected-output | Negative test: "exception" |

POL_3003_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3003_TestCase |
| Test Assertion | POL-TA-30003 |
| Description | Tests that the runtime rejects a definitions file when it contains duplicate intent definitions. |
| Artifacts | POL_3003_TestCase.java Test_POL_3003.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3004_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3004_TestCase |
| Test Assertion | POL-TA-30004 |
| Description | Tests that the runtime rejects a definitions file when it contains an intent definition which has two default qualifiers. |
| Artifacts | POL_3004_TestCase.java Test_POL_3004.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3005_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3005_TestCase |
| Test Assertion | POL-TA-30005 |
| Description | Tests that the runtime rejects a definitions file when it contains an intent definition which has two duplicate qualifiers. |
| Artifacts | POL_3005_TestCase.java Test_POL_3005.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3006_TestCase

| | |
|-------------|-------------------|
| Testcase ID | POL_3006_TestCase |
|-------------|-------------------|

| | |
|-----------------|---|
| Test Assertion | POL-TA-30006 |
| Description | Tests that the runtime rejects a definitions file when it contains a profile intent definition that contains a '.' in its name. |
| Artifacts | POL_3006_TestCase.java Test_POL_3006.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3007_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_3007_TestCase |
| Test Assertion | POL-TA-30007 |
| Description | Tests that when a profile intent is required, that the attached policySet(s) satisfy all the intents required by the profile intent. |
| Artifacts | POL_3007_TestCase.java Test_POL_3007.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_3007 request no invocation" |

POL_3008_TestCase

| | |
|----------------|---|
| Testcase ID | POL_3008_TestCase |
| Test Assertion | POL-TA-30008 |
| Description | Tests that an intentMap provides an unqualified intent that the policySet provides. |
| Artifacts | POL_3008_TestCase.java Test_POL_3008.composite |

| | |
|-----------------|--|
| | TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_3008 request no invocation" |

POL_3009_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3009_TestCase |
| Test Assertion | POL-TA-30010 |
| Description | Tests that a policySet only has one intentMap for any given qualifiable intent. |
| Artifacts | POL_3009_TestCase.java Test_POL_3009.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3011_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_3011_TestCase |
| Test Assertion | POL-TA-30013 |
| Description | Tests that a policySet only has one intentMap for any given qualifiable intent. Tests that a referenced policySet provides a subset of the intents provided by the referencing policySet. |
| Artifacts | POL_3011_TestCase.java Test_POL_3011.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: |

| | |
|--|----------------------------------|
| | "POL_3011 request no invocation" |
|--|----------------------------------|

POL_3012_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3012_TestCase |
| Test Assertion | POL-TA-30015 |
| Description | Tests that the runtime rejects a definitions file when it contains a profile intent definition that requires undefined intents. |
| Artifacts | POL_3012_TestCase.java Test_POL_3012.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3013_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3013_TestCase |
| Test Assertion | POL-TA-30016 |
| Description | Tests that the runtime rejects a definitions file when it contains a profile intent definition that excludes an undefined intent. |
| Artifacts | POL_3013_TestCase.java Test_POL_3013.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3014_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3014_TestCase |
| Test Assertion | POL-TA-30017 |
| Description | Tests that the runtime ensures that policySet definitions are unique in the Domain. |
| Artifacts | POL_3014_TestCase.java Test_POL_3014.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3015_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3015_TestCase |
| Test Assertion | POL-TA-30018 |
| Description | Tests that the XPath expression in policySet/@appliesTo is valid. |
| Artifacts | POL_3015_TestCase.java Test_POL_3015.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3016_TestCase

| | |
|----------------|--|
| Testcase ID | POL_3016_TestCase |
| Test Assertion | POL-TA-30019 |
| Description | Tests that the XPath expression in policySet/@attachTo is valid. |
| Artifacts | POL_3016_TestCase.java Test_POL_3016.composite TestInvocation.wsdl |

| | |
|-----------------|---|
| | TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3017_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3017_TestCase |
| Test Assertion | POL-TA-30020 |
| Description | Tests that an intentMap specifies all possible qualifiers for a qualifiable intent. |
| Artifacts | POL_3017_TestCase.java Test_POL_3017.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3018_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3018_TestCase |
| Test Assertion | POL-TA-30021 |
| Description | Tests that an intentMap provides an intent that is provided by the containing policySet. |
| Artifacts | POL_3018_TestCase.java Test_POL_3018.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_3019_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3019_TestCase |
| Test Assertion | POL-TA-30025 |
| Description | Tests that intents defined in the Policy spec are in the SCA Domain. |
| Artifacts | POL_3019_TestCase.java Test_POL_3019.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_3019 request no invocation" |

POL_3020_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_3020_TestCase |
| Test Assertion | POL-TA-30026 |
| Description | Tests that an intent definition with one qualifier has the qualifier marked as a default. |
| Artifacts | POL_3020_TestCase.java Test_POL_3020.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test Negative test: "exceptionPOL_3020 request no invocation" |
| Testcase ID | POL_3020_TestCase |
| Test Assertion | POL-TA-30026 |
| Description | Tests that an intent definition with one qualifier has the qualifier marked as a default. |
| Artifacts | POL_3020_TestCase.java Test_POL_3020.composite TestInvocation.wsdl |

| | |
|-----------------|--|
| | TestClient_0002.composite definitions.xml |
| Expected output | Negative test: "exception" |

2.2 Section 4

POL_4001_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4001_TestCase |
| Test Assertion | POL-TA-40001 |
| Description | Tests that directly attached policySets are ignored when there are externally attached policySets. |
| Artifacts | POL_4001_TestCase.java Test_POL_4001.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative: "exception" |

POL_4002_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4002_TestCase |
| Test Assertion | POL-TA-40002 |
| Description | Tests that directly attached policySets are supported |
| Artifacts | POL_4002_TestCase.java Test_POL_4002.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_4002 request no invocation" |

POL_4003_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4003_TestCase |
| Test Assertion | POL-TA-40003 |
| Description | Tests that externally attached policy sets are supported. |
| Artifacts | POL_4003_TestCase.java Test_POL_4003.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_4003 request no invocation" |

POL_4004_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4004_TestCase |
| Test Assertion | POL-TA-40004 |
| Description | Tests that qualified intents override qualifiable intents in the implementation hierarchy. |
| Artifacts | POL_4004_TestCase.java Test_POL_4004.composite TestCompositeImplIntent.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4005_TestCase

| | |
|-------------|-------------------|
| Testcase ID | POL_4005_TestCase |
|-------------|-------------------|

| | |
|-----------------|--|
| Test Assertion | POL-TA-40005 |
| Description | Tests that qualified intents override qualifiable intents in the implementation hierarchy of service promotion. |
| Artifacts | POL_4005_TestCase.java Test_POL_4005.composite TestCompositeImplIntent.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4006_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4006_TestCase |
| Test Assertion | POL-TA-40006 |
| Description | Tests that intents higher in the structural hierarchy are unioned with intents lower in the structural hierarchy. |
| Artifacts | POL_4006_TestCase.java Test_POL_4006.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4007_TestCase

| | |
|----------------|--|
| Testcase ID | POL_4007_TestCase |
| Test Assertion | POL-TA-40007 |
| Description | Tests that intents higher in the structural hierarchy are unioned with non-mutually exclusive intents lower in the structural hierarchy. |
| Artifacts | POL_4007_TestCase.java |

| | |
|-----------------|---|
| | Test_POL_4007.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: “POL_4007 request service1 operation1 invoked” |

POL_4008_TestCase

| | |
|------------------------|---|
| <u>Testcase ID</u> | <u>POL_4008_TestCase</u> |
| <u>Test Assertion</u> | <u>POL-TA-40008</u> |
| <u>Description</u> | <u>Tests that qualified intents in the structural hierarchy override the unqualified form of the intent.</u> |
| <u>Artifacts</u> | <u>POL_4008_TestCase.java</u> <u>Test_POL_4008.composite</u> <u>TestInvocation.wsdl</u> <u>TestClient_0004.composite</u> <u>definitions.xml</u> |
| <u>Expected output</u> | <u>Positive test:</u> <u>“POL_4008 request service1 operation1 invoked”</u> |

POL_4009_TestCase

| | |
|----------------|---|
| Testcase ID | POL_4009_TestCase |
| Test Assertion | POL-TA-40009 |
| Description | Tests that componentType attached policySets are ignored when policySets are attached to the using component definition. |
| Artifacts | POL_4009_TestCase.java Test_POL_4009.composite TestCompositeImplPolicySet.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |

| | |
|-----------------|-------------------------------|
| Expected output | Negative test: "exception" |
|-----------------|-------------------------------|

POL_4010_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4010_TestCase |
| Test Assertion | POL-TA-40015 |
| Description | Tests that directly attached policySets are ignored when the runtime does not support directly attached policySets and there are externally attached policySet(s). |
| Artifacts | POL_4010_TestCase.java Test_POL_4010.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4012_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4012_TestCase |
| Test Assertion | POL-TA-40012 |
| Description | A testcase to verify that mutually exclusive intents cause an error. |
| Artifacts | POL_4012_TestCase.java Test_POL_4012.composite TestInvocation.wsdl TestClient_00042.composite |
| Expected output | Negative test: "exception" |

POL_4013_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4013_TestCase |
| Test Assertion | POL-TA-40014 |
| Description | A testcase to verify that external attachment of policySets works correctly. |
| Artifacts | POL_4013_TestCase.java Test_POL_4013.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_4013 request no invocation" |

POL_4015_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4015_TestCase |
| Test Assertion | POL-TA-40013 |
| Description | Tests that directly attached policySets are ignored when the runtime does not support directly attached policySets. |
| Artifacts | POL_4015_TestCase.java Test_POL_4015.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4016_TestCase

| | |
|-------------|-------------------|
| Testcase ID | POL_4016_TestCase |
|-------------|-------------------|

| | |
|-----------------|---|
| Test Assertion | POL-TA-40016 |
| Description | Tests that externally attached policySets are ignored when the runtime does not support them. |
| Artifacts | POL_4016_TestCase.java Test_POL_4016.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4018_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4018_TestCase |
| Test Assertion | POL-TA-40018 |
| Description | Tests that externally attached policySets are ignored when the runtime does not support them, and there are directly attached policySets that are supported. |
| Artifacts | POL_4018_TestCase.java Test_POL_4018.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4019_TestCase

| | |
|----------------|---|
| Testcase ID | POL_4019_TestCase |
| Test Assertion | POL-TA-40024 |
| Description | Tests that policySets on interfaces apply to bindings and services. |
| Artifacts | POL_4019_TestCase.java Test_POL_4019.composite |

| | |
|-----------------|--|
| | TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_4019 request no invocation" |

POL_4020_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4020_TestCase |
| Test Assertion | POL-TA-40025 |
| Description | Tests that policySets on interfaces apply to bindings and services. |
| Artifacts | POL_4020_TestCase.java Test_POL_4020.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Positive test: "POL_4020 request no invocation" |

POL_4024_TestCase

| | |
|----------------|--|
| Testcase ID | POL_4024_TestCase |
| Test Assertion | POL-TA-40027, POL-TA-40028 |
| Description | Tests that when an intent is required, that the attached policySet(s) satisfies the intent. |
| Artifacts | POL_4024_TestCase.java Test_POL_4024.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite Service1.java |

| | |
|-----------------|--|
| | Service1.wsdl definitions.xml |
| Expected output | Positive test: "POL_4024 request service1 operation1 invoked" |

POL_4027_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4027_TestCase |
| Test Assertion | POL-TA-40039 |
| Description | BindingTypes are unique in the Domain. |
| Artifacts | POL_4027_TestCase.java Test_POL_4027.composite TestInvocation.wsdl TestClient_00042.composite Service1.wsdl definitions.xml |
| Expected output | Positive test: "exception" |

POL_4028_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4028_TestCase |
| Test Assertion | POL-TA-40049 |
| Description | A testcase to verify that an error is raised if policySet/@attachTo points to a property. |
| Artifacts | POL_4028_TestCase.java Test_POL_4028.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

POL_4029_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4029_TestCase |
| Test Assertion | POL-TA-40020 |
| Description | Tests that where a <component/> has an <implementation/> element which has a service with an attached intent, that the intent applies to the binding of the <component/> <service/> and must be satisfied by that binding. |
| Artifacts | POL_4029_TestCase.java Test_POL_4029.composite TestInvocation.wsdl Service1.wsdl TestClient_00042.composite TestCompositeSOAP4.composite |
| Expected output | Positive test: "POL_4029 request service1 operation1 invoked" |

POL_4030_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4030_TestCase |
| Test Assertion | POL-TA-40021 |
| Description | Tests that where a <component/> has an <implementation/> element which has a service with an attached unqualified form of an intent and the qualified form of the intent is attached to <service/> element of the component, that the qualified form of the intent applies to the <component/> <service/> and must be satisfied by its binding. |
| Artifacts | POL_4030_TestCase.java Test_POL_4030.composite TestInvocation.wsdl Service1.wsdl TestClient_00042.composite TestCompositeSOAP4.composite |
| Expected output | Positive test: "POL_4030 request service1 operation1 invoked" |

POL_4031_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_4031_TestCase |
| Test Assertion | POL-TA-40022 POL-TA-40037 POL-TA-40050 |
| Description | Tests that where a <component/> has an <service/> element which has a <interface/> subelement with an intent attached to it, that the intent applies to the <component/> <service/> and must be satisfied by its binding. |
| Artifacts | POL_4031_TestCase.java Test_POL_4031.composite TestInvocation.wsdl TestClient_00042.composite Service1.wsdl Service1withSOAPIntent.wsdl TestComposite10.composite |
| Expected output | Positive test: "POL_4031 request service1 operation1 invoked" |

POL_4032_TestCase

| | |
|----------------|---|
| Testcase ID | POL_4032_TestCase |
| Test Assertion | POL-TA-40023 POL-TA-40038 POL_TA_40050 |
| Description | Tests that where a <component/> has an <reference/> element which has a <interface/> subelement with an intent attached to it, that the intent applies to the <component/> <reference/> and must be satisfied by its binding. |
| Artifacts | POL_4032_TestCase.java Test_POL_4032.composite TestInvocation.wsdl TestClient_00042.composite |

| | |
|-----------------|---|
| | Service1.wsdl Service1withSOAPIntent.wsdl TestComposite10.composite |
| Expected output | Positive test: "POL_4032 request service1 operation1 invoked" |

POL_4033_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_4033_TestCase |
| Test Assertion | POL-TA-40058 |
| Description | Tests that the @attachTo attribute of an <externalAttachment/> element is a valid XPath 1.0 production expression |
| Artifacts | POL_4033_TestCase.java Test_POL_4033.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml in POL_4033 contribution |
| Expected output | Negative test: "exception" |

2.3 Section 5

POL_5001_TestCase

| | |
|----------------|---|
| Testcase ID | POL_5001_TestCase |
| Test Assertion | POL-TA-50001 |
| Description | A testcase to verify that the runtime can detect unknown implementation types. |
| Artifacts | POL_5001_TestCase.java Test_POL_5001.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |

| | |
|-----------------|-------------------------------|
| Expected output | Negative test: "exception" |
|-----------------|-------------------------------|

2.4 Section 9

POL_9006_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_9006_TestCase |
| Test Assertion | POL-TA-90009, POL-TA-90036 |
| Description | A testcase to verify that a reference with transactedOneWay on a non-global tran component, results in an error from the runtime. |
| Artifacts | POL_9006_TestCase.java Test_POL_9006.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite TestComposite41.composite Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9009_TestCase

| | |
|----------------|--|
| Testcase ID | POL_9009_TestCase |
| Test Assertion | POL-TA-90012, POL-TA-90030 |
| Description | A testcase to verify that a service with transactedOneWay on a non-global tran component, results in an error from the runtime. |
| Artifacts | POL_9009_TestCase.java Test_POL_9009.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite TestComposite41.composite |

| | |
|-----------------|-------------------------------|
| | Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9015_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_9015_TestCase |
| Test Assertion | POL-TA-90021 |
| Description | A testcase to verify that a component with managedTransaction.local and a service with propagatesTransaction, results in an error from the runtime. |
| Artifacts | POL_9015_TestCase.java Test_POL_9015.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9016_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_9016_TestCase |
| Test Assertion | POL-TA-90022 |
| Description | A testcase to verify that a component with noManagedTransaction and a service with propagatesTransaction, results in an error from the runtime. |
| Artifacts | POL_9016_TestCase.java Test_POL_9016.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9017_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_9017_TestCase |
| Test Assertion | POL-TA-90025 |
| Description | A testcase to verify that a reference with propagatesTransaction on a local tran component, results in an error from the runtime. |
| Artifacts | POL_9017_TestCase.java Test_POL_9017.composite TestInvocation.wsdl TestClient_00042.composite TestComposite01.composite TestComposite44.composite Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9018_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_9018_TestCase |
| Test Assertion | POL-TA-90026 |
| Description | A testcase to verify that a reference with propagatesTransaction on a noManagedTransaction component, results in an error from the runtime. |
| Artifacts | POL_9018_TestCase.java Test_POL_9018.composite TestInvocation.wsdl TestClient_00042.composite TestComposite10.composite TestComposite44.composite Service1.wsdl |
| Expected output | Negative test: "exception" |

POL_9019_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_9019_TestCase |
| Test Assertion | POL-TA-90031 |
| Description | Tests that where a <component/> <implementation/> is marked with the intent managedTransaction.local that a reference of the component is not marked with the transactedOneWay intent |
| Artifacts | POL_9019_TestCase.java Test_POL_9019.composite TestInvocation.wsdl TestClient_00042.composite Service1.wsdl TestCompositeOneWayClient.composite TestCompositeOneWay.composite definitions.xml in POL_9019 contribution |
| Expected output | Negative test: "exception" |

POL_9020_TestCase

| | |
|----------------|---|
| Testcase ID | POL_9020_TestCase |
| Test Assertion | POL-TA-90032 |
| Description | Tests that where the <interface/> of a reference involves request/response operations, that the <reference/> using that interface is not marked with the transactedOneWay intent |
| Artifacts | POL_9020_TestCase.java Test_POL_9020.composite TestInvocation.wsdl TestClient_00042.composite Service1.wsdl TestComposite10.composite TestComposite44.composite definitions.xml in POL_9020 contribution |

| | |
|-----------------|-------------------------------|
| Expected output | Negative test: "exception" |
|-----------------|-------------------------------|

POL_9021_TestCase

| | |
|-----------------|---|
| Testcase ID | POL_9021_TestCase |
| Test Assertion | POL-TA-90033 |
| Description | Tests that where the <interface/> of a reference involves request/response operations, that the <reference/> using that interface is not marked with the immediateOneWay intent |
| Artifacts | POL_9021_TestCase.java Test_POL_9021.composite TestInvocation.wsdl TestClient_00042.composite Service1.wsdl TestComposite10.composite TestComposite44.composite definitions.xml in POL_9021 contribution |
| Expected output | Negative test: "exception" |

POL_9022_TestCase

| | |
|----------------|--|
| Testcase ID | POL_9022_TestCase |
| Test Assertion | POL-TA-90034 |
| Description | Tests that where a <component/> <reference/> is marked with the asyncInvocation intent it is not also marked with the propagatesTransaction intent |
| Artifacts | POL_9022_TestCase.java Test_POL_9022.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |

| | |
|-----------------|-------------------------------|
| Expected output | Negative test: "exception" |
|-----------------|-------------------------------|

POL_9023_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_9023_TestCase |
| Test Assertion | POL-TA-90035 |
| Description | Tests that where a <component/> <service/> is marked with the asyncInvocation intent it is not also marked with the propagatesTransaction intent |
| Artifacts | POL_9023_TestCase.java Test_POL_9023.composite TestInvocation.wsdl TestClient_00042.composite definitions.xml |
| Expected output | Negative test: "exception" |

2.5 Section 10

POL_10001_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_10001_TestCase |
| Test Assertion | POL-TA-100005 |
| Description | A testcase to verify that the noListener intent is not used on a service. |
| Artifacts | POL_10001_TestCase.java Test_POL_10001.composite TestInvocation.wsdl TestClient_00042.composite |
| Expected output | Negative test: "exception" |

2.6 Section 11

POL_11001_TestCase

| | |
|-----------------|--|
| Testcase ID | POL_11001_TestCase |
| Test Assertion | POL-TA-110001 |
| Description | A testcase to verify that the runtime rejects a composite that does not conform to the Policy FW schema. |
| Artifacts | POL_11001_TestCase.java Test_POL_11001.composite TestInvocation.wsdl TestClient_00042.composite |
| Expected output | Negative test: "exception" |

3 Cross Mapping of Test Assertions to TestCases

| Test Assertion | Test Cases |
|----------------|--|
| POL-TA-30001 | POL_3001_TestCase |
| POL-TA-30002 | POL_3002_TestCaseUntestable - requires policySets written using a specific policy language - none is mandatory |
| POL-TA-30003 | POL_3003_TestCase |
| POL-TA-30004 | POL_3004_TestCase |
| POL-TA-30005 | POL_3005_TestCase |
| POL-TA-30006 | POL_3006_TestCase |
| POL-TA-30007 | POL_3007_TestCase |
| POL-TA-30008 | POL_3008_TestCase |
| POL-TA-30010 | POL_3009_TestCase |
| POL-TA-30011 | Untestable - WS-Policy not required to be supported |
| POL-TA-30013 | POL_3011_TestCase |
| POL-TA-30015 | POL_3007_TestCase POL_3012_TestCase |
| POL-TA-30016 | POL_3013_TestCase |
| POL-TA-30017 | POL_3011_TestCase POL_3014_TestCase |
| POL-TA-30018 | POL_3011_TestCase POL_3015_TestCase |
| POL-TA-30019 | POL_3016_TestCase |
| POL-TA-30020 | POL_3017_TestCase POL_4002_TestCase |
| POL-TA-30021 | POL_3018_TestCase POL_4002_TestCase |
| POL-TA-30025 | POL_3019_TestCase |
| POL-TA-30026 | POL_3020_TestCase |

| Test Assertion | Test Cases |
|----------------|-------------------|
| POL-TA-40001 | POL_4001_TestCase |

| | |
|--------------|--|
| POL-TA-40002 | POL_4002_TestCase |
| POL-TA-40003 | POL_4003_TestCase |
| POL-TA-40004 | POL_4004_TestCase |
| POL-TA-40005 | POL_4005_TestCase |
| POL-TA-40006 | POL_4006_TestCase |
| POL-TA-40007 | POL_4007_TestCase |
| POL-TA-40008 | POL_4008_TestCase |
| POL-TA-40009 | POL_4009_TestCase |
| POL-TA-40010 | Untestable - WS-Policy not required to be supported |
| POL-TA-40011 | Untestable - WS-Policy not required to be supported |
| POL-TA-40012 | POL_4012_TestCase |
| POL-TA-40013 | POL_4015_TestCase |
| POL-TA-40014 | POL_4013_TestCase |
| POL-TA-40015 | POL_4010_TestCase |
| POL-TA-40016 | POL_4016_TestCase |
| POL-TA-40017 | POL_3007_TestCase |
| POL-TA-40018 | POL_4018_TestCase |
| POL-TA-40020 | POL_4029_TestCase |
| POL-TA-40021 | POL_4030_TestCase |
| POL-TA-40022 | POL_4031_TestCase |
| POL-TA-40023 | POL_4032_TestCase |
| POL-TA-40024 | POL_4019_TestCase |
| POL-TA-40025 | POL_4020_TestCase |
| POL-TA-40026 | POL_4012_TestCase |
| POL-TA-40027 | POL_4024_TestCase – delete? TA is preferred |
| POL-TA-40028 | POL_4024_TestCase – delete? TA is preferred |
| POL-TA-40036 | POL_3007_TestCase – delete? TA is preferred |
| POL-TA-40037 | POL_4031_TestCase |
| POL-TA-40038 | POL_4032_TestCase |
| POL-TA-40039 | POL_4027_TestCase |
| POL-TA-40040 | Untestable – no required binding available that meets the prerequisites of the test assertion. |
| POL-TA-40041 | Untestable - requires policySets written using a specific policy language - none is mandatory. |

| | |
|--------------|--|
| POL-TA-40042 | Untestable - requires policySets written using 2 specific policy language - none is mandatory. |
| POL-TA-40043 | Untestable - requires support for WS-Policy which is not mandatory |
| POL-TA-40049 | POL_4028_TestCase |
| POL-TA-40050 | POL_4031_TestCase POL_4032_TestCase |
| POL-TA-40051 | Untestable - requires a redeployment API |
| POL-TA-40052 | Untestable - requires a redeployment API |
| POL-TA-40053 | Untestable - requires a redeployment API |
| POL-TA-40054 | Untestable - requires a redeployment API |
| POL-TA-40055 | Untestable - requires a redeployment API |
| POL-TA-40056 | Untestable - requires a redeployment API |
| POL-TA-40057 | Untestable - requires a measurable required concrete policy |
| POL-TA-40058 | POL_4033_TestCase |
| POL-TA-40059 | Untestable - requires a redeployment API |
| POL-TA-40060 | Untestable - requires a redeployment API |
| POL-TA-40061 | Untestable - requires a redeployment API |

| Test Assertion | Test Cases |
|----------------|-------------------|
| POL-TA-50001 | POL_5001_TestCase |

| Test Assertion | Test Cases |
|----------------|------------|
| POL-TA-70001 | Untestable |
| POL-TA-70002 | Untestable |
| POL-TA-70003 | Untestable |
| POL-TA-70004 | Untestable |
| POL-TA-70005 | Untestable |
| POL-TA-70006 | Untestable |
| POL-TA-70007 | Untestable |

| Test Assertion | Test Cases |
|----------------|------------|
| POL-TA-80001 | Untestable |

| | |
|--------------|------------|
| POL-TA-80002 | Untestable |
| POL-TA-80003 | Untestable |
| POL-TA-80004 | Untestable |

| Test Assertion | Test Cases |
|----------------|--|
| POL-TA-90003 | Untestable |
| POL-TA-90004 | Untestable |
| POL-TA-90006 | Untestable |
| POL-TA-90007 | Untestable |
| POL-TA-90008 | Untestable |
| POL-TA-90009 | POL_9006_TestCase |
| POL-TA-90010 | Untestable |
| POL-TA-90011 | Untestable |
| POL-TA-90012 | POL_9009_TestCase |
| POL-TA-90013 | Untestable - No required binding available |
| POL-TA-90016 | Untestable |
| POL-TA-90017 | Untestable |
| POL-TA-90018 | Untestable |
| POL-TA-90020 | Untestable |
| POL-TA-90021 | POL_9015_TestCase |
| POL-TA-90022 | POL_9016_TestCase |
| POL-TA-90025 | POL_9017_TestCase |
| POL-TA-90026 | POL_9018_TestCase |
| POL-TA-90027 | Untestable |
| POL-TA-90028 | Untestable |
| POL-TA-90030 | POL_9009_TestCase |
| POL-TA-90031 | POL_9006_TestCase POL_9019_TestCase |
| POL-TA-90032 | POL_9020_TestCase |
| POL-TA-90033 | POL_9021_TestCase |
| POL-TA-90034 | POL_9022_TestCase |
| POL-TA-90035 | POL_9023_TestCase |
| POL-TA-90036 | POL_9006_TestCase |

| Test Assertion | Test Cases |
|----------------|---|
| POL-TA-100001 | POL_3019_TestCase |
| POL-TA-100002 | POL_4030_TestCase |
| POL-TA-100003 | Untestable |
| POL-TA-100004 | Untestable - JMS binding not a required binding |
| POL-TA-100005 | POL_10001_TestCase |
| POL-TA-100006 | Untestable |
| POL-TA-100007 | Untestable - EJB binding not a required binding |
| POL-TA-100008 | Untestable - EJB binding not a required binding |

| Test Assertion | Test Cases |
|----------------|--------------------|
| POL-TA-110001 | POL_11001_TestCase |

4 Catalog of Test Artifacts

4.1 Composite Files - lower level

| Name | Valid | Description |
|--|--------------|--|
| TestClient_00042.composite | Y | Contains a service, property and optional reference that receives control from the test client. |
| TestComposite10.composite | Y | Contains a component that implements Service1. |
| TestComposite44.composite | Y | Contains a component that implements Service1 and has a reference to another component. |
| TestCompositeSOAP.composite | Y | Contains the use of the SCA defined SOAP intent. |
| Name | Valid | Description |
| TestClient_0002.composite | Y | Contains a service, property and optional reference that receives control from the test client. |
| TestComposite0.composite | Y | Contains a component that implements Service1. |
| TestComposite1.composite | Y | Contains a component that implements Service1 and has a reference to another component. |
| TestComposite2.composite | Y | Contains a component that implements Service1 and has a reference to another component that exposes a callback interface. |
| TestComposite3.composite | Y | Contains a component that implements a service with a callback. |

4.2 Java Interfaces – General_Java contribution

| Name | Description |
|--|--|
| Service1.java | Interface with one request/response operation called operation1 |
| Name | Description |
| Service1.java | Interface with one request/response operation called operation1 |
| Service3Callback.java | Interface with one request/response operation called callback1 |

| | |
|---------------------------|--|
| Service3WithCallback.java | Interface that implements Service1 and declares Service3Callback as a callback interface |
|---------------------------|--|

4.3 Java Implementation Classes - General_Java

| Name | Description |
|---------------------------|--|
| ASM_0002_Client.java | Basic class that receives operation call from test client, and has one optional reference |
| Service1Impl.java | Implements Service1 by returning the value of the serviceName property on the component |
| Service1Impl2.java | Implements Service1 by passing the invocation on to it's reference and then returning the value of the serviceName property on the component |
| Name | Description |
| ASM_0002_Client.java | Basic class that receives operation call from test client, and has one optional reference |
| service1Impl.java | Implements Service1 by returning the value of the serviceName property on the component |
| service1Impl2.java | Implements Service1 by passing the invocation on to it's reference and then returning the value of the serviceName property on the component |
| service3Impl1.java | Implements Service3WithCallback |
| Service1CallbackImpl.java | Implements Service1 and also callback on the injected callback (Service3Callback) interface |

4.4 WSDL Interface Files - General

| Name | Description |
|-----------------------|--|
| Service1.wsdl | PortType with one request/response operation called operation1 |
| TestInvocation.wsdl | PortType used to invoke a test application |
| Name | Description |
| Service1.wsdl | PortType with one request/response operation called operation1 |
| Service3Callback.wsdl | PortType with one request/response operation |

| | |
|---------------------|--|
| | called callback1 |
| TestInvocation.wsdl | PortType used to invoke a test application |
| | |

4.5 Policy files - General

| Name | Description |
|---------------------------|--|
| General - definitions.xml | Contains a base set of policySets and intents that are used to test syntactic conformance statements |

NOTE: Some testcase contributions also have a definitions.xml file. The existence of such a file usually indicates that it contains a statically checkable error.

5 Testcases Grouped by Optional Capability

These three testcase groups can be found in the [Test_Client](#) contribution within the SCA Policy Testcases.

| Testcase Group | Testcases |
|---|---|
| AllDirectAttachTests.java | POL_3001_TestCase , POL_3003_TestCase , POL_3004_TestCase , POL_3005_TestCase , POL_3006_TestCase , POL_3007_TestCase , POL_3008_TestCase , POL_3009_TestCase , POL_3011_TestCase , POL_3012_TestCase , POL_3013_TestCase , POL_3014_TestCase , POL_3015_TestCase , POL_3017_TestCase , POL_3018_TestCase , POL_3019_TestCase , POL_3020_TestCase , POL_4001_TestCase , POL_4002_TestCase , POL_4003_TestCase , POL_4004_TestCase , POL_4005_TestCase , POL_4006_TestCase , POL_4007_TestCase , POL_4008_TestCase , POL_4009_TestCase , POL_4012_TestCase , POL_4016_TestCase , POL_4018_TestCase , POL_4019_TestCase , POL_4020_TestCase , POL_4024_TestCase , POL_4027_TestCase , POL_4029_TestCase , POL_4030_TestCase , POL_4031_TestCase , POL_4032_TestCase , POL_4033_TestCase , POL_5001_TestCase , POL_9006_TestCase , POL_9009_TestCase , POL_9015_TestCase , POL_9016_TestCase , POL_9017_TestCase , POL_9018_TestCase , POL_9019_TestCase , POL_9020_TestCase , POL_9021_TestCase , POL_9022_TestCase , POL_9023_TestCase , POL_10001_TestCase , POL_11001_TestCase |
| AllExtAttachTests.java | POL_3001_TestCase , POL_3003_TestCase , POL_3004_TestCase , POL_3005_TestCase , POL_3006_TestCase , POL_3007_TestCase , POL_3008_TestCase , POL_3009_TestCase , POL_3011_TestCase , POL_3012_TestCase , POL_3013_TestCase , POL_3014_TestCase , POL_3015_TestCase , POL_3016_TestCase , POL_3017_TestCase , POL_3018_TestCase , POL_3019_TestCase , POL_3020_TestCase , POL_4001_TestCase , POL_4002_TestCase , POL_4003_TestCase , POL_4004_TestCase , POL_4005_TestCase , POL_4006_TestCase , POL_4007_TestCase , POL_4008_TestCase , POL_4009_TestCase , POL_4010_TestCase , POL_4012_TestCase , POL_4013_TestCase , POL_4015_TestCase , POL_4019_TestCase , POL_4020_TestCase , POL_4024_TestCase , POL_4027_TestCase , POL_4028_TestCase , POL_4029_TestCase , POL_4030_TestCase , POL_4031_TestCase , POL_4032_TestCase , POL_4033_TestCase , POL_5001_TestCase , POL_9006_TestCase , POL_9009_TestCase , POL_9015_TestCase , POL_9016_TestCase , POL_9017_TestCase , POL_9018_TestCase , POL_9019_TestCase , POL_9020_TestCase , POL_9021_TestCase , POL_9022_TestCase , POL_9023_TestCase , POL_10001_TestCase , POL_11001_TestCase |
| AllTests.java | POL_3001_TestCase , POL_3003_TestCase , POL_3004_TestCase , POL_3005_TestCase , POL_3006_TestCase , POL_3007_TestCase , POL_3008_TestCase , POL_3009_TestCase , POL_3011_TestCase , POL_3012_TestCase , POL_3013_TestCase , POL_3014_TestCase , POL_3015_TestCase , POL_3016_TestCase , POL_3017_TestCase , POL_3018_TestCase , POL_3019_TestCase , POL_3020_TestCase , POL_4001_TestCase , POL_4002_TestCase , POL_4003_TestCase , |

[POL_4004_TestCase](#), [POL_4005_TestCase](#), [POL_4006_TestCase](#),
[POL_4007_TestCase](#), [POL_4008_TestCase](#), [POL_4009_TestCase](#),
[POL_4010_TestCase](#), [POL_4012_TestCase](#), [POL_4013_TestCase](#),
[POL_4018_TestCase](#), [POL_4019_TestCase](#), [POL_4020_TestCase](#),
[POL_4024_TestCase](#), [POL_4027_TestCase](#), [POL_4028_TestCase](#),
[POL_4029_TestCase](#), [POL_4030_TestCase](#), [POL_4031_TestCase](#),
[POL_4032_TestCase](#), [POL_4033_TestCase](#), [POL_5001_TestCase](#),
[POL_9006_TestCase](#), [POL_9009_TestCase](#), [POL_9015_TestCase](#),
[POL_9016_TestCase](#), [POL_9017_TestCase](#), [POL_9018_TestCase](#),
[POL_9019_TestCase](#), [POL_9020_TestCase](#), [POL_9021_TestCase](#),
[POL_9022_TestCase](#), [POL_9023_TestCase](#), [POL_10001_TestCase](#),
[POL_11001_TestCase](#)

6 Conformance

There are no conformance statements relating to the TestCases.

Appendix A: Acknowledgments

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

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Appendix B: Revision History

| Revision | Date | Editor | Changes Made |
|----------------------------|--------------------------|----------------------------|--|
| 1 | 10/14/09 | David Booz | Initial version sections 3 and 4 |
| 2 | 11/11/09 | David Booz | Completed first pass of all test cases |
| 3 | 05/11/10 | Mike Edwards | Sync up with TestAssertions CD01 |
| 4 | 05/28/10 | David Booz | Misc editorial updates |
| 5 | 06/04/10 | David Booz | More updates based on review comments |
| 6 | 06/14/10 | David Booz | Misc updates from review with TC – applied Issue 120, 121. |
| CD01 | 06/21/10 | David Booz | Editorial updates for CD01. |
| CD01 rev1 | 09/15/10 | David Booz | Apply 123,124,125,126 |
| CSD01 rev2 | 11/10/10 | David Booz | Apply 128 and prep for next CSD |