

OMA IOP IMPS Fest#1 Test Report

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Document History	
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Contents

- 1. OMA IOP FEST#1 STATISTICS4**
- 1.1. PRODUCT INFORMATION.....4**
- 1.2. CSP TEST COVERAGE5**
- 1.2.1. Service Access Point.....5
- Presence Service Elements.....6
- 1.2.3. Instant Message Service Elements6
- 1.2.4. Group Service Elements.....7
- 1.2.5. Content Service Elements7
- 1.3. SSP TEST COVERAGE.....7**
- 2. OMA IMPS FEST#1 TEST OBSERVATIONS8**

1. OMA IOP FEST#1 Statistics

1.1. Product Information

Number of OMA members attending the test program:	12
Number of Client Products:	7
Number of Server Products:	10
Number of Test Sessions attempted during event:	37 (148 Test Reports issued)
Number of test sessions completed:	22 (76 compliant test reports)

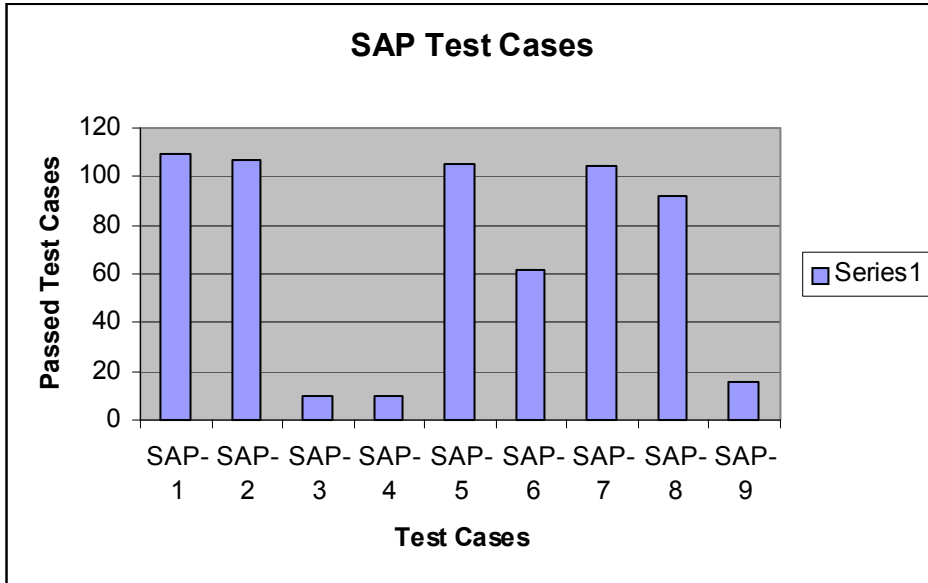
There were 15 incomplete test sessions. These were not finished for the following reasons:

Reason	Number
Time constraints - test session could not be completed in the allocated time period.	2
Problems in a device meant that not all the test cases could be completed.	3
Connectivity problems to with GPRS SIMs	10

1.2. CSP Test Coverage

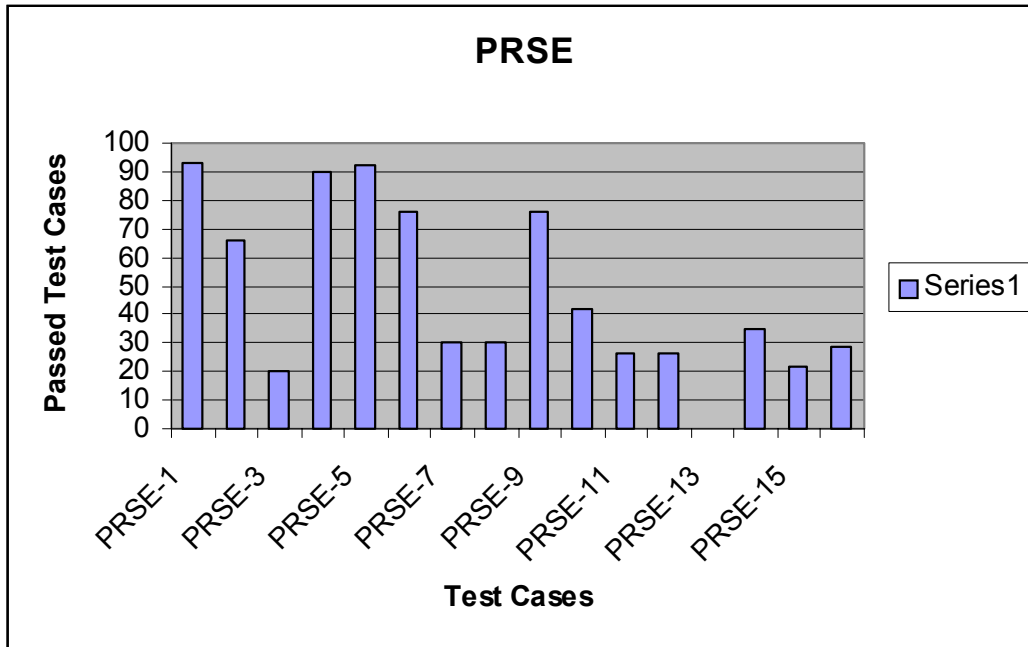
This section contains a breakdown of the recorded PASS verdicts per IMPS service.

1.2.1. Service Access Point



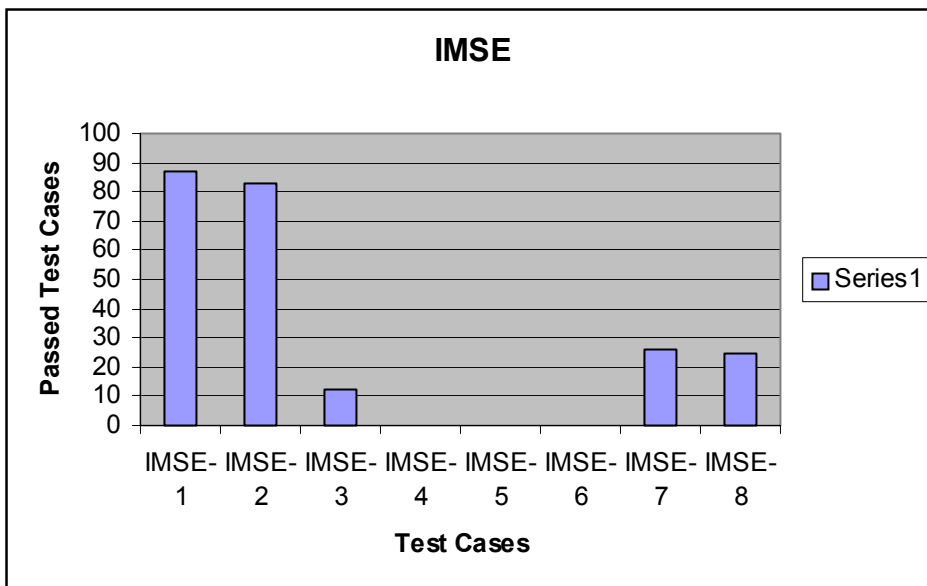
Of the 7 clients attending the OMA IMPS Fest, only 1 client supported the optional SAP-4 feature of support for 4-way login transaction. This is reflected in the results. Generally, the Service Access Point features are well supported, the graph reflecting the different implementation specific capabilities of the Servers relating to the pre-conditions i.e. for SAP-6 (manual disconnect of clients) and SAP-9 (multiple client support).

1.2.2. Presence Service Elements



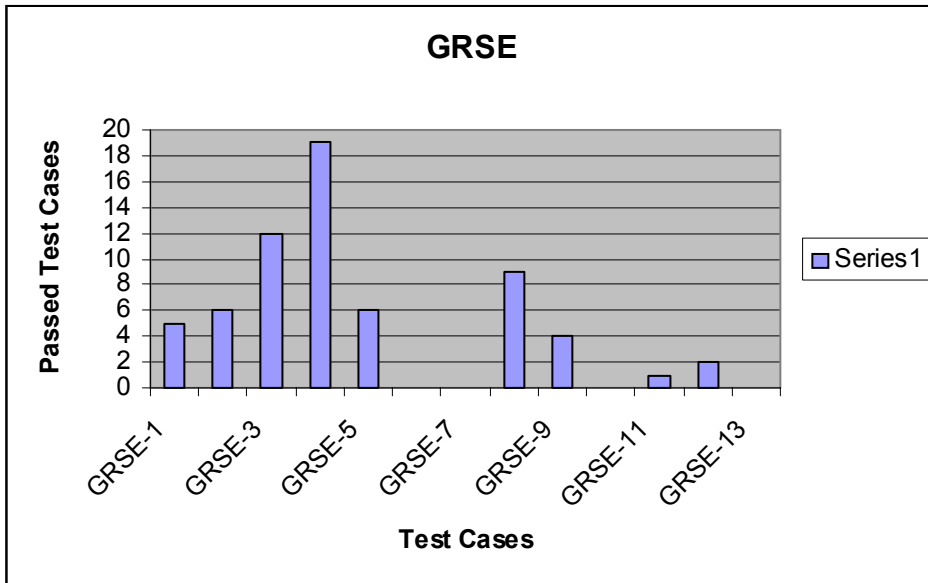
The test cases with the most number of pass verdicts are the mandatory test cases PRSE-1, PRSE-4 and PRSE-5. Of the optional test cases PRSE-2, PRSE-6 and PRSE-9 were the most commonly implemented features. It should be noted that test case PRSE-13 was not executed by any of the attending products.

1.2.3. Instant Message Service Elements



The test cases with the most number of pass verdicts are the mandatory test cases IMSE-1 and IMSE-2. It should be noted that the optional test cases IMSE-4, IMSE-5 and IMSE-6 were not executed by any of the attending products.

1.2.4. Group Service Elements



Only 3 Clients and 4 Servers supported Group functionality. The test cases with the most number of pass verdicts are GRSE-3 and GRSE-4. These test cases require 1 client and 1 Server which may reflect the higher number of pass verdicts.

1.2.5. Content Service Elements

There was 1 Server that supported this feature. No test sessions were executed.

1.3. SSP Test Coverage

During OMA IMPS Fest#1, three of the Server participants conducted ad-hoc SSP testing using the SSP test cases and Test Report proforma. Participants have been encouraged to provide feedback to the OMA IMPS reflector on the SSP test cases.

2. OMA IMPS Fest#1 Test Observations

This section contains details of compliance issues recorded during the OMA IOP Fest#1 test event. Problems have been modified to remove vendor information associated with these issues to present the information in an anonymous manner.

Observation: 001	
Test Case(s):	N/A
Verdict:	N/A
SCR items / ICS:	TRANSP-12
Comment:	<p>The Pre-conditions and Conditionally mandatory status of TRANSP-12 is unclear to the ICS submitter.</p> <p>The SCR item is defined within the SICS as:</p> <p>TRANSP-12 Pre-Requisites: TRANSP-5 or 6 Description: With WSP 1.2 or WSP 2.0 bindings for data channel, only WAP SMS binding or WAP UDP binding is used in CIR channel. Static Requirement: C</p> <p>This Condition for this SCR item does not cater for the situation when a Server does not support the CIR channel but does supports SCR items TRANSP-5 and TRANSP-6.</p>
Recommendation	The SCR item should include reference to TRANSP-2, in the pre-requisite definition since the description of TRANSP-12 refers to CIR behaviour.

Observation: 002	
Test Case(s):	N/A
Verdict:	N/A
SCR items / ICS:	NEWM-6, NEWM-7, NEWM-8 within SICS
Comment:	<p>These SCR items are contradictory:</p> <p>NEWM-6: The MessageInfo structure refers to a message using MessageID : M NEWM-7: The MessageInfo structure refers to a message using MessageURI : M NEWM-8: The MessageInfo structure refers to a message using either MessageID or MessageURI but not both : M</p> <p>i.e. NEWM-8 contradicts the Mandatory status of NEWM-6 and NEWM-7</p>
Recommendation	<p>The Mandatory/Optional status of the SCR items needs to be updated:</p> <p>NEWM-6 and NEW-7 should be defined as Conditional features with NEWM-8 being a Mandatory feature mandating that either NEWM-6 or NEWM-7 should be supported, i.e.</p> <p>NEWM-8 : Mandatory</p> <p>NEWM-6: Conditional - with pre-requisite of NEWM-8 NEWM-7: Conditional - with pre-requisite of NEWM-8</p>

	This also applies for GETM-6, GETM-7 and GETM-8.
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Observation: 003	
Test Case(s):	N/A
Verdict:	N/A
SCR items / ICS:	NEWM-10, NEWM-11 within SICS
Comment:	These SCR items have missing pre-requisites and should be conditional: NEWM-10: The MessageID refers to a message obtainable from IM service element M NEWM-11: The MessageURI refers to a message not obtainable from IM service element M
Recommendation	NEWM-10 is conditional on NEWM-6, the support for MessageID. This should be included in the Pre-Requisite and the SCR item should be denoted as 'C' not 'M' NEWM-11 is conditional on NEWM-7, the support for MessageURI. This also should be included in the Pre-Requisite and the SCR item denoted as 'C' and not 'M'

Observation: 004	
Test Case(s):	N/A
Verdict:	N/A
SCR items / ICS:	GETM-10, GETM-11 within SICS
Comment:	These SCR items have missing pre-requisites and should be conditional: GETM-10: The MessageID refers to a message obtainable from IM service element M GETM-11: The MessageURI refers to a message not obtainable from IM service element M
Recommendation	GETM-10 is conditional on GETM-6, the support for MessageID. This should be included in the Pre-Requisite and the SCR item should be denoted as 'C' not 'M' GETM-11 is conditional on GETM-7, the support for MessageURI. This also should be included in the Pre-Requisite and the SCR item denoted as 'C' and not 'M'

Observation: 005	
Test Case(s):	None
Verdict:	None
SCR items / ICS:	LOGIN-14, LOGIN-15, LOGIN-16, LOGIN-17
Comment:	During the static review of the CICS/SICS submissions, it was noted that there was confusion over the SCR items relating to auto-join functionality. Page 67 of the WV CSP protocol , section 9.1.5 defines the auto-join functionality. The text within the SCR item does not reflect the

	test within section 9.1.5. The text within the SCR items was comment as being ambiguous and confusing for vendors submitting their CICS/SICS.
Recommendation:	A re-review of the SCR items for the Auto-Join feature should be conducted such that the text within the SCR items reflect the text within section [9.1.5 Group Properties] of the CSP protocol specification.

Observation: 006	
Test Case(s):	None
Verdict:	None
SCR items / ICS:	SRCH-15, SRCH-16 and SRCH-19
Comment:	These SCR items refer to Presence features and not Group features. The reference to SAP-12 {Support for searching based on various group properties} is incorrect.
Recommendation:	The Pre-requisite of SAP-12 should be removed for these items.

Observation: 007	
Test Case(s):	None
Verdict:	None
SCR items / ICS:	CAINV-7
Comment:	Item “CAINV-7” has comment “Assuming Recall-Reason is actually Cancel-Reason”.
Recommendation:	The item “CAINV-7” in the SICS should be reviewed to ensure the requirement is correct.

Observation: 008	
Test Case(s):	None
Verdict:	None
SCR items / ICS:	PRNOT-1
Comment:	This refers to Client functionality within the SICS
Recommendation:	The item “PRNOT-1” in the SICS should be reviewed to ensure the requirement is for the Server and not the Client.

Observation: 009	
Test Case(s):	None

Verdict:	None
SCR items / ICS:	CCAPAB-3 in the CICS
Comment:	<p>This SCR item is defined as follows:</p> <p>SCR: CCAPAB-3 Pre-Requisite: SAP-10 Description: The CapabilityResponse message contains the list of capabilities that the server agrees to provide.</p> <p>It was commented that the description for this SCR item implies that it is a Server requirement and not a Client requirement. From a client perspective, the Client should provide the services in the list of capabilities and accept the incoming message.</p>
Recommendation:	Verify that this SCR items should be in the Client's ICS

Observation: 010	
Test Case(s):	None
Verdict:	None
SCR items / ICS:	SRCH-4, SRCH-5, SRCH-6 in the CICS
Comment:	<p>These SCR items are defined as follows:</p> <p>SCR: SRCH-4 Pre-Requisite: SAP-11 or 12 Description: If the request includes more than one Search-Pair-List, the Search-Element is different in each Search-Pair-List.</p> <p>SCR: SRCH-5 Pre-Requisite: SAP-11 or 12 Description: If the request includes more than one Search-Pair-List, the Search-Element is of the same type (user or group) in each Search-Pair-List.</p> <p>SCR: SRCH-6 Pre-Requisite: SAP-11 or 12 Description: If the request includes more than one Search-Pair-List, logical AND operation is assumed between the different pairs.</p> <p>These items do not properly cater for the situation where the Client does not support multiple Search-Pair-Lists. If a Client only uses a single Search-Pair-List, it currently must select these items in the ICS since the pre-conditions are met, but there is actually no requirement on the Client.</p>
Recommendation:	An extra ICS item should be added so that a Client can claim support for multiple Search-Pair-Lists. ICS items SRCH-4, SRCH-5 and SRCH-6 should have this new SCR item added to the Prerequisites.

Observation: 011	
Test Case(s):	GROUPS [10,11,12,13]
Verdict:	N/A

SCR items / ICS:	See test cases for SCR items
Comment:	<p>During execution of the GROUPS test cases, most servers will interpret the denotation used for Group ID definition to define the group as public or private.</p> <p>In section 5.2.6 of the CSP specification, it provides the following examples of Group ID:</p> <p>wv:john/mygroup@imps.com wv:john/mygroup wv:/technicalforum wv:/technical_forum@imps.com</p> <p>Most servers will interpret the first two of these as Public Groups (since the username is included) and the last two as Private Groups (since no username is specified).</p> <p>It is not thought that this convention is not explicitly stated within any of the specifications.</p>
Recommendation:	<p>The relevant areas of the specification should be revisited, with a view to including a description of this convention.</p> <p>A PR should be raised on this area of the specification requesting clarification of the denotation.</p>

Observation: 012	
Test Case(s):	SAP-*
Verdict:	FAIL
SCR items / ICS:	See test cases for SCR items
Comment:	<p>There was an interoperability problems between client and server caused by the use of the 'chunked' HTTP header being used when the Client tries to establish a connection with the server.</p> <p>This led to the test session being aborted.</p>
Recommendation:	Interoperability issue between client and server which should be investigated and resolved between the relevant parties.

Observation: 013	
Test Case(s):	PRSE-1
Verdict:	FAIL
SCR items / ICS:	See test cases for SCR items
Comment:	There was an interoperability problem between client and server such that the server used an un-negotiated service feature causing the test case to fail.

Recommendation:	Interoperability issue between client and server which should be investigated and resolved between the relevant parties.
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Observation: 014	
Test Case(s):	IMSE-1
Verdict:	FAIL
SCR items / ICS:	-
Comment:	According to the logging, the client receives the instant message however it is not displayed to the user at the UI. This is a problem within the client and needs to be resolved.
Recommendation:	The problem with the client should be investigated and resolved by the relevant party.

Observation: 015	
Test Case(s):	SAP-*
Verdict:	FAIL
SCR items / ICS:	
Comment:	The test session had to be aborted because the client did not support 100/1xx results. In particular the 102 response.
Recommendation:	The problem with the client should be investigated and resolved by the relevant party.

The following observations were raised on the Feedback forms provided to all participants. Where comments are repeated, these have been combined into a single observation. Feedback has been paraphrased for brevity.

Observation: 016	
Comment:	A number of SMS and GPRS connectivity problems were experienced. Also SIM cards did not arrive as promised.
Recommendation:	The provision of network facilities should be reviewed for the next event.

Observation: 017	
Comment:	Two proprietary implementations that differ from the specification can still achieve compliance as the focus is on testing interoperability only. Emphasis should be on compliance rather than interoperability.
Recommendation:	Need for a Reference implementation should be revisited.

Observation: 018	
Comment:	An interest was expressed in having binding information available prior to the Fest.
Recommendation:	Investigate possibility and practicability of having this information available prior to the start of the Fest.

Observation: 019	
Comment:	The timing of this Fest was questioned, being the week before Christmas. This may have affected attendance – perhaps require a minimum number of participants. It was also remarked that there could be less Fests during the year. The location was also queried, as was the lack of windows in the test room.
Recommendation:	Review the Fest Schedule for the forthcoming year.

Observation: 020	
Comment:	The differing lengths of test sessions (e.g. ½ hour shorter in the morning) caused some difficulty to testers. Some testers were scheduled to test in these short sessions each day. Some testers were not scheduled to test against all available devices.
Recommendation:	Possibility of avoiding different session lengths should be investigated. If they must happen, the differences should be taken into account when designing the Test Schedule.

Observation: 021	
Comment:	Scope of the tests is limited and should be widened.
Recommendation:	Coverage of Test Plan should be reviewed.