Enabler Test Report MMS v1.2
OMA Test Fest (October 2004)
Version 29-Oct-2004

Open Mobile Alliance
OMA-Enabler_Test_Report-MMS-v12-2004-10-29

Contents

1. Scope

This report describes the results from the testing carried out at OMA Test Fest (October 2004) concerning MMS enabler version 1.2.

2. References

2.1 Normative References

[OMAIOPPROC]   OMA Interoperability Policy and Process, http://www.openmobilealliance.org/

[MMSEICS]   MMS version 1.2 Enabler Implementation Conformance Statement (EICS), http://www.openmobilealliance.org/

[ERELD]   "Enabler Release Definition for MMS Version 1.2" Open Mobile Alliance™. OMA-ERELD-MMS-v1_2. URL:http://www.openmobilealliance.org/

[MMS_SPEC]   OMA MMS 1.2 specifications

[EPTR]   Enabler Product Test Report

[ETP]   Enabler Test Plan

[ETS]   Enabler Test Specification for MMS 1.2

2.2 Informative References

3. Terminology and Conventions

3.1   Conventions

This is an informative document, i.e. the document does not intend to contain normative statements.

3.2   Definitions

Client A

> The MMS client, which sends a multimedia message (Mobile Originating)

Client B

> The MMS client, which receives a multimedia message (Mobile Terminating)

Multimedia Messaging Service (MMS)

> A system application by which a client is able to provide a messaging operation with a variety of media types.

MMS Client

> The MMS service endpoint located on the client device.

MMS Proxy-Relay

> A server, which provides access to various messaging systems.

MMS Server

> A server that provides storage and operational support for the MMS service.

MMS SMIL

> A SMIL subset defined for MMS purposes.

3.3   Abbreviations

EICS	Enabler Implementation Conformance Statement
EPTR	Enabler Product Test Report
ETP	Enabler Test Plan
ETS	Enabler Test Specification
MM	Multimedia Message
MMS	Multimedia Messaging Service
MMSC	MMS Proxy/Server
OMA	Open Mobile Alliance
PR	Problem Report

4. Summary

This report gives details of the testing carried out during the OMA Test Fest (October 2004) for MMS version 1.2.

The report is compiled on behalf of OMA by NCC Group.

The work and reporting has followed the OMA IOP processes and policies [OMAIOPPROC].

5. Test Details

5.1 Documentation

This chapter lists the details of the enabler and any documentation, tools or test suites used to prove the enabler.

Date:	October 2004
Location:	Beijing, China
Enabler:	MMS 1.2
Process:	OMA Interoperability Policy and Process [OMAIOPPROC]
Type of Testing	Interoperability Testing
Products tested:	Client-to-server, Client-to-Client
Test Plan:	MMS Enabler Test Plan [ETP]
Test Specification:	MMS Enabler Test Specification [ETS]
Test Tool:	None
Test Code:	MMS v1.2 Reference Content
Type of Test event:	Test Fest
Participants:	Comverse; Nokia; Openwave Systems; SK Telecom / Locus Technologies; SKY MobileMedia Inc; TTPCom
Number of Client Products:	7
Participating Technology Providers for clients:	Nokia; Openwave Systems; SKY MobileMedia Inc; TTPCom *3 other Client participants.*
Number of Server Products:	Comverse; Nokia; SK Telecom / Locus Technologies
Participating Technology Providers for servers:	3
Number of test sessions completed:	28 of 32

5.2 Test Case Statistics

5.2.1 Test Case Summary

This chapter gives an overview of the result for all test cases included in [ETS].

The following status is used in the tables below:

- **Total number of TCs**: Used in the summary to indicate how many test cases there are in total.

- **Number of passed:** Used in the summary to indicate how many of the total test cases successfully passed.

- **Number of failed:** Used in the summary to indicate how many of the total test cases failed.

- **Number of N/A:** Used in the summary to indicate how many of the total test cases have not been run due to one of the implementations not supporting the functionality required to run this test case.

- **Number of OT:** Used in the summary to indicate how many of the total test cases have not been run due to no time to run the test case.

- **Number of INC:** Used in the summary to indicate how many of the total test cases have not been run due to functionality not being tested due to an error in the implementation or other functionality that is required to run this test case.

Test Section:	Total number of TCs:	Number of test sessions:	Number of Passed:	Number of Failed:	Number of N/A:	Number of OT:	Number of INC:
Client to Client TCs	44	28	482	2	246	455	47
Client to Server TCs	56	28	576	7	264	688	33
MMSC Transaction TCs	5	28	18	0	39	83	0
Client Transaction TCs	16	28	42	0	176	230	0
Client B TCs	4	28	31	0	14	62	5
E-mail TCs	9	28	74	1	10	158	9
Creation Mode TCs	6	28	35	2	5	118	8
Content Adaptation	12	28	12	0	54	268	2
Total	**152**	**28**	**1270**	**12**	**808**	**2062**	**104**

5.2.2   Test Case List

This chapter lists the statistics for all test cases included in [ETS].

The following status is used in the tables below:

- **No. of runs(R):** Used to indicate how many times the test cases have been run in total.

- **No. of passed(P):** Used to indicate how many times the test case has been run with successful result.

- **No. of failed(F):** Used to indicate how many times the test case has been run with failed result

- **No. of OT(O):** Used to indicate how many times the test case has not been run due to no time available.

- **No. of INC(I):** Used to indicate how many times the test case has not been run due to errors being found in other functionality required for running this test case.

- **PR:** Used to indicate if any PRs (Problem Reports) have been issued during testing.

- **Note:** Used to indicate the cause of Inconclusive or Fail verdicts.

Test Case:	Test Case Description:	R	P	F	O	I	PR:	Note:
MMS-1.2-int-101	The purpose is to verify that a message with empty content is correctly sent from Client A to Client B and that the received message is reasonably presented, with no error.	22	17	0	4	1		
MMS-1.2-int-102	The purpose is to verify that messages with SMIL layouts, here portrait with text above the image, is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	18	1	8	1		
MMS-1.2-int-103	The purpose is to verify that messages with SMIL layouts, here portrait with text below the image, is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	17	0	11	0		
MMS-1.2-int-104	The purpose is to verify that messages with SMIL layouts, here landscape with text to the left of the image, is correctly sent from Client A to Client B and that the received message is reasonably presented.	16	8	0	8	0		
MMS-1.2-int-105	The purpose is to verify that messages with SMIL layouts, here landscape with text to the right of the image, is correctly sent from Client A to Client B and that the received message is reasonably presented.	16	8	0	8	0		

MMS-1.2-int-106	The purpose is to verify that multiple objects (one image, one text and one audio file) are correctly sent from Client A to Client B and that all contents of the received message is reasonably presented.	28	17	0	10	1	
MMS-1.2-int-107	The purpose is to verify that multiple pages are correctly sent from Client A to Client B and that all pages are reasonably presented in the correct order.	28	17	0	10	1	
MMS-1.2-int-108	The purpose is to verify that multiple pages and objects with page timing are correctly sent from Client A to Client B and that all pages and objects are reasonably presented in the correct order. The timing of the pages follows the specified values or client default values.	28	14	0	13	1	
MMS-1.2-int-109	The purpose is to verify that messages with different SMIL page timing can be sent, received and reasonably presented. This message contains 4 different pages and page times: - Page 1 with page timing 100 ms or client minimum - Page 2 with 5 seconds page timing - Page 3 with page time 20 seconds or client maximum - Page 4 with no page timing Note: Since the last page of a SMIL presentation can be shown indefinitely on a client until further actions, this fourth page is only used for delimitating the period of time that page 3 is displayed. It is then possible to verify that the timing of page 3 received by Client B is the same that was set by Client A.	28	17	0	11	0	
MMS-1.2-int-110	The purpose is to verify that a message where the SMIL part references an object using a long file name is correctly sent from Client A to Client B and that the image is reasonably presented.	28	12	0	11	5	Observation 004
MMS-1.2-int-111	The purpose is to verify that a subject field encoded in UTF-8 correctly sent from Client A to Client B and that the message subject is textually correct.	28	20	0	8	0	
MMS-1.2-int-112	The purpose is to verify that a text object with US-ASCII encoding is correctly sent from Client A to Client B and that the received message is textually correct.	20	12	0	8	0	

MMS-1.2-int-113	The purpose is to verify that a text object with UTF-8 encoding is correctly sent from Client A to Client B and that the received message is textually correct.	28	17	0	11	0	
MMS-1.2-int-114	The purpose is to verify that a text object with UTF-16 encoding is correctly sent from Client A to Client B and that the received message is textually correct.	17	6	0	11	0	
MMS-1.2-int-115	The purpose is to verify that a JPG image of the size 80x60 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	17	0	11	0	
MMS-1.2-int-116	The purpose is to verify that a JPG image of the size 160x120 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0	
MMS-1.2-int-117	The purpose is to verify that a JPG image of the size 60x80 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0	
MMS-1.2-int-118	The purpose is to verify that a JPG image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	13	0	13	2	
MMS-1.2-int-119	The purpose is to verify that a GIF87a image of the size 80x60 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	15	0	12	1	
MMS-1.2-int-120	The purpose is to verify that a GIF87a image of the size 160x120 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0	
MMS-1.2-int-121	The purpose is to verify that a GIF87a image of the size 60x80 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	15	0	13	0	
MMS-1.2-int-122	The purpose is to verify that a GIF87a image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	21	4	0	13	4	
MMS-1.2-int-123	The purpose is to verify that an animated GIF89a image of the size 80x60 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0	

MMS-1.2-int-124	The purpose is to verify that an animated GIF89a image of the size 160x120 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	15	0	13	0		
MMS-1.2-int-125	The purpose is to verify that an animated GIF89a image of the size 60x80 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	15	0	13	0		
MMS-1.2-int-126	The purpose is to verify that an animated GIF89a image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	21	5	0	12	4		
MMS-1.2-int-127	The purpose is to verify that a WBMP image of the size 80x60 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	17	0	11	0		
MMS-1.2-int-128	The purpose is to verify that a WBMP images of the size 160x120 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-129	The purpose is to verify that a WBMP images of the size 60x80 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-130	The purpose is to verify that a WBMP images of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	21	8	0	11	2		
MMS-1.2-int-131	The purpose is to verify that an AMR audio NB object/content is correctly sent from Client A to Client B and that the AMR audio NB file/object is reasonably presented.	28	14	0	13	1		
MMS-1.2-int-132	The purpose is to verify that an 13k speech object/content is correctly sent from Client A to Client B and that the 13k speech file/object is reasonably presented.	11	0	0	10	1		
MMS-1.2-int-133	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	23	9	0	11	3		

MMS-1.2-int-134	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	23	9	0	12	2		
MMS-1.2-int-135	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-136	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-137	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-138	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-139	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-140	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-141	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-142	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	10	1	0	7	2		
MMS-1.2-int-143	The purpose is to verify that a vCard object correctly sent from Client A to Client B and that the received vCard is textually correct.	27	13	0	14	0		
MMS-1.2-int-144	The purpose is to verify that a vCalendar object correctly sent from Client A to Client B and that the received vCalendar is textually correct.	24	9	1	13	1		

MMS-1.2-int-201	The purpose is to verify that a message with empty content is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented, with no error.	24	12	0	12	0	
MMS-1.2-int-202	The purpose is to verify that a message in Image Basic Content Class with size under 30k can be sent from Client A to Client B and that the received message is reasonably presented.	23	8	0	14	1	
MMS-1.2-int-203	The purpose is to verify that a message in Image Rich Content Class with size under 100k can be sent from Client A to Client B and that the received message is reasonably presented.	23	3	0	13	7	
MMS-1.2-int-204	The purpose is to verify that a message in Video Rich Content Class with size under 300k can be sent from Client A to Client B and that the received message is reasonably presented.	21	3	4	11	3	Observation 005
MMS-1.2-int-205	The purpose is to verify that multiple pages and objects with page timing are correctly sent from Client A to Client B via the MMSC and that all pages and objects are reasonably presented in the correct order. The timing of the pages follows the specified values or client default values.	28	14	0	14	0	
MMS-1.2-int-206	The purpose is to verify that a message with UTF-8 characters in the Subject-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received and the subject is textually correct.	28	14	0	14	0	
MMS-1.2-int-207	The purpose is to verify that a message with 40 chars in the Subject-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received and the subject is textually correct.	28	15	0	13	0	
MMS-1.2-int-208	The purpose is to verify that a messages with US-ASCII characters in the Subject-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received and the subject is textually correct.	19	9	0	10	0	

MMS-1.2-int-209	The purpose is to verify that a message with US-ASCII characters in the To-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	19	10	0	9	0		
MMS-1.2-int-210	The purpose is to verify that a message with US-ASCII characters in the Cc-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	19	8	0	11	0		
MMS-1.2-int-211	The purpose is to verify that a message with US-ASCII characters in the Bcc-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	14	3	0	11	0		
MMS-1.2-int-212	The purpose is to verify that a message with UTF-8 characters in the To-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	23	9	0	14	0		
MMS-1.2-int-213	The purpose is to verify that a message with UTF-8 characters in the CC-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	23	8	0	15	0		
MMS-1.2-int-214	The purpose is to verify that a message with UTF-8 characters in the BCC-field is correctly sent from Client A to Client B via MMSC and that the message is successfully received.	20	4	2	14	0		
MMS-1.2-int-215	The purpose is to verify that a message is correctly sent from Client A to Client B via MMSC and that the message is successfully received and message priority is set to Normal.	28	14	0	14	0		
MMS-1.2-int-216	The purpose is to verify that a message is correctly sent from Client A to Client B via MMSC and that the message is successfully received and message priority is set to Low.	24	10	0	14	0		
MMS-1.2-int-217	The purpose is to verify that a message is correctly sent from Client A to Client B via MMSC and that the message is successfully received and message priority is set to High.	24	9	0	15	0		

MMS-1.2-int-218	The purpose is to verify that a message with Message Class Personal is correctly sent from Client A to Client B via MMSC and that the message is successfully received with a Message Class of Personal.	22	8	0	14	0		
MMS-1.2-int-219	The purpose is to verify that a text object with US-ASCII encoding is correctly sent from Client A to Client B via the MMSC and that the received message is textually correct.	18	8	0	10	0		
MMS-1.2-int-220	The purpose is to verify that a text object with UTF-8 encoding is correctly sent from Client A to Client B via the MMSC and that the received message is textually correct.	28	14	0	14	0		
MMS-1.2-int-221	The purpose is to verify that a text object with UTF-16 encoding is correctly sent from Client A to Client B via the MMSC and that the received message is textually correct.	15	4	0	11	0		
MMS-1.2-int-222	The purpose is to verify that a JPG image of the size 80x60 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-223	The purpose is to verify that a JPG image of the size 160x120 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-224	The purpose is to verify that a JPG image of the size 60x80 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-225	The purpose is to verify that a JPG image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	28	14	0	12	2		
MMS-1.2-int-226	The purpose is to verify that a GIF87a image of the size 80x60 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		

MMS-1.2-int-227	The purpose is to verify that a GIF87a image of the size 160x120 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-228	The purpose is to verify that a GIF87a image of the size 60x80 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-229	The purpose is to verify that a GIF87a image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	22	6	0	12	4		
MMS-1.2-int-230	The purpose is to verify that an animated GIF89a image of the size 80x60 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-231	The purpose is to verify that an animated GIF89a image of the size 160x120 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-232	The purpose is to verify that an animated GIF89a image of the size 60x80 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-233	The purpose is to verify that an animated GIF89a image of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	25	9	0	12	4		
MMS-1.2-int-234	The purpose is to verify that a WBMP image of the size 80x60 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-235	The purpose is to verify that a WBMP images of the size 160x120 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		

MMS-1.2-int-236	The purpose is to verify that a WBMP images of the size 60x80 is correctly sent from Client A to Client B via the MMSC and that the received message is reasonably presented.	28	16	0	12	0		
MMS-1.2-int-237	The purpose is to verify that a WBMP images of the size 640x480 is correctly sent from Client A to Client B and that the received message is reasonably presented.	22	10	0	10	2		
MMS-1.2-int-238	The purpose is to verify that an AMR audio NB object/content is correctly sent from Client A to Client B via the MMSC and that the AMR audio NB file/object is reasonably presented.	28	14	0	13	1		
MMS-1.2-int-239	The purpose is to verify that an 13k speech object/content is correctly sent from Client A to Client B and that the 13k speech file/object is reasonably presented.	13	3	0	10	0		
MMS-1.2-int-240	The purpose is to verify that a QCIF video file/object is correctly sent from Client A to Client B and that the QCIF video file/object is reasonably presented.	22	11	0	10	1		
MMS-1.2-int-241	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	22	9	0	12	1		
MMS-1.2-int-242	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	11	3	0	7	1		
MMS-1.2-int-243	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	11	3	0	7	1		
MMS-1.2-int-244	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	11	3	0	7	1		
MMS-1.2-int-245	The purpose is to verify that a sub-QCIF video file/object is correctly sent from Client A to Client B and that the sub-QCIF video file/object is reasonably presented.	11	3	0	7	1		
MMS-1.2-int-246	The purpose is to verify that a vCard object is correctly sent from Client A to Client B via the MMSC and that the received vCard is textually correct.	27	13	0	14	0		

MMS-1.2-int-247	The purpose is to verify that a vCalendar object correctly sent from Client A to Client B via the MMSC and that the received vCalendar is textually correct.	26	11	1	14	0		
MMS-1.2-int-248	The purpose is to verify that a message with an MSISDN/MDN address in the "To:"-field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	28	16	0	12	0		
MMS-1.2-int-249	The purpose is to verify that a message with an MSISDN/MDN address in the "Cc:"-field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	28	14	0	14	0		
MMS-1.2-int-250	The purpose is to verify that a message with MSISDN/MDN address in the "Bcc:"-field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	20	7	0	13	0		
MMS-1.2-int-251	The purpose is to verify that messages can be simultaneously and correctly sent from Client A to multiple MSISDN/MDN clients and multiple email recipients via MMSC and that the message is successfully received by all the recipients listed in the "To:"-field.	28	12	0	16	0		
MMS-1.2-int-252	The purpose is to verify that messages can be simultaneously and correctly sent from Client A to multiple MSISDN/MDN clients and multiple email recipients via MMSC and that the message is successfully received by all the recipients listed in the "Cc:"-field.	20	7	0	13	0		
MMS-1.2-int-253	The purpose is to verify that messages can be simultaneously and correctly sent from Client A to multiple MSISDN/MDN clients and multiple email recipients via MMSC and that the message is successfully received by all the recipients listed in the "Bcc:"-field.	19	5	0	14	0		
MMS-1.2-int-254	The purpose is to verify that a message with a single email address in the "To:"-field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	28	10	0	17	1		

MMS-1.2-int-255	The purpose is to verify that a message with a single email address in the "Cc:"-field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	27	9	0	17	1		
MMS-1.2-int-256	The purpose is to verify that a message with a single email address in the Bcc- field is correctly sent from Client A to Client B via MMSC server and that the message is successfully received.	20	5	0	14	1		
MMS-1.2-int-301	The purpose is to verify that a message with the From-field left empty is correctly sent from Client A to Client B via MMSC and that the MMSC has processed/validated and inserted the correct MSISDN/MDN number of Client A and the message is successfully received with the correct MSISDN/MDN number of Client A in the From–field of the message.	15	2	0	13	0		
MMS-1.2-int-302	The purpose is to verify that a message sent with a Validity Period/Expiry Time, set by the client, is accepted by the MMSC.	23	6	0	17	0		
MMS-1.2-int-303	The purpose is to verify that a message Validity Period/Expiry Time set by the client can be overwritten or redefined by the MMSC.	28	4	0	24	0		
MMS-1.2-int-304	The purpose is to verify that a message sent with a Delivery Time, set by the Client A, is delivered at the specified time to the receiving Client B.	20	6	0	14	0		
MMS-1.2-int-305	The purpose is to verify that when a client does not set the message time stamp, the MMSC will set the time stamp.	15	0	0	15	0		
MMS-1.2-int-401	The purpose is to verify that a message with a request for delivery report is correctly sent from Client A to Client B via MMSC and that the originator can receive a delivery report with the Retrieved status after successful message delivery.	28	12	0	16	0		
MMS-1.2-int-402	The purpose is to verify that a message with a request for delivery report from Client A to Client B via MMSC and that the originator can receive a delivery report with the Rejected status after message rejection.	24	9	0	15	0		

MMS-1.2-int-403	The purpose is to verify that a message with a request for delivery report from Client A to Client B and that the originator can receive a delivery report with the Expired status after message expiration.	26	8	0	18	0		
MMS-1.2-int-404	The purpose is to verify that a message with a request for delivery report from Client A to multiple recipients and that the originator can receive a separate delivery report for each recipient, with the correct Delivery Status for each recipient after message delivery or message delivery attempt (in the case of Expired Status) to each separate recipient.	23	7	0	16	0		
MMS-1.2-int-405	The purpose is to verify that a message with request for Read-Reply report is correctly sent from Client A to Client B via MMSC and that the read report contains the date on which the message was read	15	2	0	13	0		
MMS-1.2-int-406	The purpose is to verify that a message with a request for Read-Reply report is correctly sent from Client A to Client B via MMSC and that the originator can receive a read report after message has been read and that the current date of the read report is set by the MMSC when not set by Client B.	13	0	0	13	0		
MMS-1.2-int-407	The purpose is to verify that a message with a request for a Read-Reply report is correctly sent from Client A to multiple recipients via MMSC and that the originator can receive a separate and correct Read-Reply report from each recipient after the message has been read by each recipient.	15	2	0	13	0		
MMS-1.2-int-408	The purpose is to verify that a message with a request for Read-Reply report is correctly sent from Client A to Client B via MMSC and that the originator can receive a read report after message has been read	15	2	0	13	0		
MMS-1.2-int-409	The purpose is to verify that a message that is forwarded without prior retrieval has the previously sent-by field set to the originator of the initial message.	13	0	0	13	0		
MMS-1.2-int-410	The purpose is to verify that a message that is forwarded without prior retrieval has the previously sent-date field set to the date of the initial message.	13	0	0	13	0		

MMS-1.2-int-411	The purpose is to verify that a message addressed to a client can be forwarded without prior retrieval. The originally addressed client shall NOT retrieve the message. The messages forwarded from one client to another client shall be received in full and be reasonably presented.	13	0	0	13	0		
MMS-1.2-int-412	The purpose is to verify that a message forwarded with a Validity Period/Expiry Time, set by the client, is accepted by the MMSC.	18	0	0	18	0		
MMS-1.2-int-413	The purpose is to verify that a messages addressed to a client can be forwarded without prior retrieval. The originally addressed client shall NOT retrieve the message. The messages forwarded from one client to another client shall be received in full and be reasonably presented. The forwarding Client B can receive a delivery report with the Retrieved status after successful message delivery.	14	0	0	14	0		
MMS-1.2-int-414	The purpose is to verify that a messages addressed to a client can be forwarded without prior retrieval. The originally addressed client shall NOT retrieve the message. The forwarding Client B can receive a delivery report with the Rejected status after message rejection.	14	0	0	14	0		
MMS-1.2-int-415	The purpose is to verify that a message addressed to a client can be forwarded without prior retrieval. The originally addressed client shall NOT retrieve the message. The forwarding Client B can receive a delivery report with the Expired status after message expiration.	14	0	0	14	0		
MMS-1.2-int-416	The purpose is to verify that a message addressed to a client can be forwarded without prior retrieval. The originally addressed client shall NOT retrieve the message. The forwarding Client B can receive a read report after message has been read.	14	0	0	14	0		
MMS-1.2-int-501	The purpose is to verify that a message is correctly sent from Client A to Client B and that the message is immediately retrieved by using the Immediate Retrieval mode.	28	15	0	13	0		

MMS-1.2-int-502	The purpose is to verify that a message is correctly sent from Client A to Client B and that the message is retrieved by using the Deferred Retrieval mode.	26	11	0	15	0		
MMS-1.2-int-503	The purpose is to verify that a message is correctly sent from Client A to Client B and that Client B can reject the messages and not attempt message download.	21	5	0	16	0		
MMS-1.2-int-504	The purpose is to verify that the terminal is able to receive a message containing DRM protected content and that the received objects are properly protected.	23	0	0	18	5		Observation 006
MMS-1.2-int-601	The purpose is to verify that a text object is correctly sent from Client A to an email recipient via MMSC and that the received message is reasonably presented.	28	13	0	15	0		
MMS-1.2-int-602	The purpose is to verify that an image object is correctly sent from Client A to an email recipient via MMSC and that the received message is reasonably presented.	28	13	0	15	0		
MMS-1.2-int-603	The purpose is to verify that an audio object is correctly sent from Client A to an email recipient via MMSC and that the received message is reasonably presented.	28	11	0	17	0		
MMS-1.2-int-604	The purpose is to verify that that a message with multiple objects (text, image, audio and presentation) is correctly sent from Client A to an email recipient via MMSC and that the received message is reasonably presented.	28	11	0	17	0		
MMS-1.2-int-605	The purpose is to verify that a message with multiple objects (text, image, audio and presentation) is correctly sent from an email sender to an MMS client (Client B) via MMSC and that the received message is reasonably presented.	28	4	0	21	3		
MMS-1.2-int-606	The purpose is to verify that a vCard object is correctly sent from Client A to an email recipient via MMSC and that the received vCard is textually correct.	28	10	0	17	1		
MMS-1.2-int-607	The purpose is to verify that a vCalendar object correctly sent from Client A to an email recipient via MMSC and that the received vCalendar is textually correct.	25	7	0	18	0		

MMS-1.2-int-608	The purpose is to verify that a vCard object correctly sent from an email sender to an MMS client (ClientB) via MMSC and that the received vCard is textually correct.	26	2	1	20	3	
MMS-1.2-int-609	The purpose is to verify that a vCalendar object is correctly sent from Client A to an email recipient via MMSC and that the received vCalendar is textually correct.	23	3	0	18	2	
MMS-1.2-int-701	The purpose is to verify that oversized content added to a message is refused in RESTRICTED mode in Client A and that the device is limited to the addition of allowable content within the core domain.	28	10	0	18	0	
MMS-1.2-int-702	The purpose is to verify that content outside core domain is prohibited when Client A is in RESTRICTED mode.	28	9	0	19	0	
MMS-1.2-int-703	The purpose is to verify that inclusion content with oversized image resolution not belonging to the core domain is prohibited when Client A is in RESTRICTED mode.	28	7	1	20	0	
MMS-1.2-int-704	The purpose is to verify that a non conformant message is refused to be forwarded when Client A is in RESTRICTED mode.	25	2	0	20	3	
MMS-1.2-int-705	The purpose is to verify that a non conformant message is refused to be forwarded when Clien A is in RESTRICTED mode.	28	5	0	20	3	
MMS-1.2-int-706	The purpose is to verify that a message containing non conformant content is refused to be forwarded when Client A is in RESTRICTED mode.	26	2	1	21	2	
MMS-1.2-con-801	The purpose is to verify that the MMS Relay/Server has mechanisms to enable or disable major content adaptation.	24	2	0	22	0	
MMS-1.2-con-802	The purpose is to verify that the MMS Relay/Server has a mechanism to make available the original content of the MM to the end-user when major content adaptation is or needs to be applied	24	0	0	24	0	
MMS-1.2-con-803	The purpose is to verify that the MMS Relay/Server updates labels in the presentation element after media type adaptation is applied	25	0	0	25	0	
MMS-1.2-con-804	The purpose is to verify that the MMS Relay/Server updates the file extensions and MIME types after media format adaptation is applied.	25	2	0	23	0	

MMS-1.2-con-805	The purpose is to verify that an image with a greater resolution than 160x120 is correctly sent from Client A larger than Image Basic Content Class to Client B in Content Class Image Basic and that the received image is less than or equal to 160x120.	25	2	0	23	0		
MMS-1.2-con-806	The purpose is to verify that a GIF87 image larger than 30k is correctly sent from Client A larger than Image Basic Content Class to Client B in Content Class Image Basic and that the received image is less than or equal to 30k.	25	2	0	23	0		
MMS-1.2-con-807	The purpose is to verify that a JPEG image larger than 30k is correctly sent from Client A larger than Image Basic Content Class to Client B in Content Class Image Basic and that the received image is less than or equal to 30k.	25	0	0	23	2		
MMS-1.2-con-808	The purpose is to verify that a GIF89 image larger than 30k is correctly sent from Client A larger than Image Basic Content Class to Client B in Content Class Image Basic and that the received image is less than or equal to 30k in GIF87 (or JPEG).	25	2	0	23	0		
MMS-1.2-con-809	The purpose is to verify that a SP-MIDI file larger than 30k is correctly sent from Client A larger than Image Basic Content Class to Client B in Content Class Image Basic and that the received message does not contain the file.	21	0	0	21	0		
MMS-1.2-con-810	The purpose is to verify that a video file is correctly sent from Client A (either in content class Video Basic or Video rich) to Client B in Content Class Image Basic and that the received image is less than or equal to 30k and has a resolution of 160x120 or less.	21	2	0	19	0		
MMS-1.2-con-811	The purpose is to verify that a video file is correctly sent from Client A (either in content class Video Basic or Video Rich) to Client B in Content Class Image Rich and that the received image is less than or equal to 100k.	21	0	0	21	0		

| MMS-1.2-con-812 | The purpose is to verify that a video file larger than 100k is correctly sent from Client A in content class Video Rich to Client B in Content Class Video Basic and that the received video file is less than or equal to 100k. | 21 | 0 | 0 | 21 | 0 | | |

5.2.3   Observations

The following issues were captured by the Trusted Zone during the OMA Test Fest.

5.2.3.1   EICS issues

This section details issues with the MMS v1.2 Enabler Implementation Conformance Statement (EICS) [MMSEICS].

Observation: 001	
Document:	EICS Client OMA MMS 1.2 Enabler Release OMA-ICS-MMS-Client-V1_2-20040301-D
Section	`MMSCONF-VRC-C-003, (Page 34/40)` `MMSCONF-VRC-C-004, (Page 34/40)` `MMSCONF-VRC-C-007, (Page 34/40)` `MMSCONF-IRC-C-007, (Page 32/40)` `MMSCONF-VBC-C-007  (Page 33/40)`
Comment:	These SCR items refer to the retrieval of a message and therefore do not have anything to do with the Client capability to send a message.
Recommendation:	Re-review SCR criteria.

Observation: 002	
Document:	EICS Client OMA MMS 1.2 Enabler Release OMA-ICS-MMS-Client-V1_2-20040301-D
Section	`MMSCONF-MED-C-004 (Page 37/40)`
Comment:	The SCR items refer to the presentation of a retrieved message and therefore do not have anything to do with the Client capability to send a message.
Recommendation:	Re-review SCR criteria.

Observation: 003	
Document:	EICS Client OMA MMS 1.2 Enabler Release OMA-ICS-MMS-Client-V1_2-20040301-D
Section	`MMSCONF-CAD-C-001 (Page 39/40)`
Comment:	The SCR items refer to the presentation of a retrieved message and therefore do not have anything to do with the Client capability to send a message.
Recommendation:	Re-review SCR criteria.

5.2.3.2 Enabler Test Suite (ETS) issues

This section details issues with the Enabler Test Specification for OMA MMS v1.2.

Observation: 004	
Document:	Enabler Test Specification for MM1.2 Approved Version 09-April-2004
Test Case	MMS-1.2-int-110
Comment:	It was commented that the test case is considered as invalid as per the minutes of the Orlando plenary (September 2004).
Recommendation:	Re-review to determine if test case is valid.

Observation: 005	
Document:	Enabler Test Specification for MM1.2 Approved Version 09-April-2004
Test Case	MMS-1.2-int-204
Comment:	The content provided for testing is of size(299Kb) with MMS Headers this means that the message has size(301Kb) which exceeds the 300Kb limit.
Recommendation:	Re-review test case.

Observation: 006	
Document:	Enabler Test Specification for MM1.2 Approved Version 09-April-2004
Test Case	MMS-1.2-int-504
Comment:	The purpose is to verify that the terminal is able to receive a message containing DRM protected content and that the received objects are properly protected. There is no ability for the Client or the Server to create protected content. This needs to be created by a DRM Server and passed to the MMSC to wrap up as an MMS message. The test verifies the capability of the client to decode the DRM MIME types
Recommendation:	Re-review test case.

5.2.3.3 MMS v1.2 Specification issues

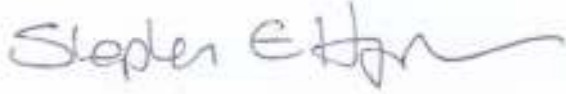This section details issues with the OMA MMS v1.2 specification.

None.

5.2.3.4   MMS v1.2 general Feedback

MMS General Feedback	
General	It was suggested that to improve Pre-testing, that testing is conducted in the following sequence: (1) MMSC conduct some basic end-to-end infrastructure testing with the operator to validate connectivity for WAP PPG, SMSC, WAP Gateway and APNs. (2) That Pre-Testing be only client/server and not client/server/client. It typically takes 20 minutes for a client to configure settings for client/server testing and to resolve any client/server issues. Client/Server/Client simply adds to the complexity of setup. (3) That testing consists of client/server/client when both clients have completed pre-testing.
General	The test session length is increased to be ½ day for each test session.

6. Confirmation

This signature states that the included information is true and valid.

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Stephen Higgins - MMS Trusted Zone

Appendix A.   Change History   (Informative)

Type of Change	Date	Section	Description