



## **Enabler Test Report DRM v1.0**

OMA TestFest (May 2005)  
Version 27-May-2005

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Open Mobile Alliance  
OMA-Enabler\_Test\_Report-DRM-10-20050527

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# 1. Scope

This report describes the results from the testing carried out at OMA TestFest9 May 2005 concerning DRM enabler version 1.0.

## 2. References

### 2.1 Normative References

[OMAIOPPROC]	OMA Interoperability Policy and Process, <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[DRMEICS]	Enabler Implementation Conformance Statement, OMA DRM 1.0 Enabler Release, Draft Version 09-Sep-2003, <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[ERELED]	“Enabler Release Definition for DRM Version 1.0” Open Mobile Alliance™. OMA-ERELED-DRM-v1_0. URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[DL_SPEC]	OMA DRM 1.0 specifications
[EPTR]	Enabler Product Test Report
[ETP]	Enabler Test Plan
[ETS]	Enabler Test Specification for DRM 1.0 Approved Version 1.0, 09-Sep-2003

### 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

None.

### 3.3 Abbreviations

DCF	DRM Content Format
DRM	Digital Rights Management
EICS	Enabler Implementation Conformance Statement
EPTR	Enabler Product Test Report
ETP	Enabler Test Plan
ETS	Enabler Test Specification
OMA	Open Mobile Alliance
PR	Problem Report

## 4. Summary

This report gives details of the testing carried out during the OMA TestFest9 (May 2005) for Digital Rights Management(DRM) version 1.0.

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.

<b>Date:</b>	May 2005
<b>Location:</b>	Helsinki, Finland
<b>Enabler:</b>	DRM 1.0
<b>Process:</b>	OMA Interoperability Policy and Process [OMAIOPPROC]
<b>Type of Testing</b>	Interoperability Testing
<b>Products tested:</b>	Client-to-server
<b>Test Plan:</b>	DRM v1.0 Enabler Test Plan [ETP]
<b>Test Specification:</b>	DRM v1.0 Enabler Test Specification [ETS]
<b>Test Tool:</b>	None
<b>Test Code:</b>	None
<b>Type of Test event:</b>	TestFest
<b>Participants:</b>	Esmertec, Flextronics/Emuzed, IXI Mobile Inc, LG Electronics Inc., Openwave Systems, Siemens AG, Panasonic, TTCOM, Viaccess and 1 other participant.
<b>Number of Client Products:</b>	8
<b>Participating Technology Providers for clients:</b>	Esmertec, Flextronics/Emuzed, IXI Mobile Inc, LG Electronics Inc., Openwave Systems, Siemens AG, Panasonic, TTCOM
<b>Number of Server Products:</b>	2
<b>Participating Technology Providers for servers:</b>	Viaccess and 1 other server participants.
<b>Number of test sessions completed:</b>	16 of 16



## 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:	Number of test sessions:	Total number of TCs:	Number of Passed:	Number of Failed:	Number of N/A:	Number of OT:	Number of INC:	Total:
Client to Server TCs	16	17	211	3	40	6	12	272
<b>Total</b>	<b>16</b>	<b>17</b>	<b>211</b>	<b>3</b>	<b>40</b>	<b>6</b>	<b>12</b>	<b>272</b>

## 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:
DRM-1.0-int-1	To test “Forward Lock” DRM functionality with “binary” encoding.	16	16	0	0	0	-	
DRM-1.0-int-2	To test “Forward Lock” DRM functionality with “base64” encoding.	14	14	0	0	0	-	
DRM-1.0-int-3	To test “Combined Delivery” functionality.	16	16	0	0	0	-	
DRM-1.0-int-4	To test the behaviour when the consuming device does not support “Combined Delivery” functionality.	0	0	0	0	0	-	
DRM-1.0-int-5	To test “Separate Delivery” functionality in case the DCF file indicates that the server intends to push the rights object separately. The DCF containing the content is not forward-locked.	16	13	0	1	2	-	
DRM-1.0-int-6	To test “Separate Delivery” functionality in case the DCF file indicates that the server intends to push the rights object separately. The DCF containing the content is forward-locked (i.e. wrapped inside a DRM message).	12	9	0	1	2	-	

DRM-1.0-int-7	To test “Superdistribution” functionality. The protected content is sent from one consuming device to another. The rights object is obtained by opening a browsing session to the rights issuing service.	16	13	0	1	2	-	
DRM-1.0-int-8	To test “Superdistribution” functionality in case of an unknown MIME type. The consuming device uses the Content-Type field to determine whether the content is suitable for it.	14	11	0	1	2	-	
DRM-1.0-int-9	To test behaviour in the presence of several rights objects for one piece of content.	16	13	0	1	2	-	
DRM-1.0-int-10	To test behaviour in the presence of several rights objects for one piece of content.	16	13	0	1	2	-	
DRM-1.0-int-11	To test <display> and <print> permissions for image files.	16	16	0	0	0	-	
DRM-1.0-int-12	To test <play> permission for a sound file.	16	16	0	0	0	-	
DRM-1.0-int-13	To test <count> constraint for a media object file.	16	16	0	0	0	-	
DRM-1.0-int-14	To test <datetime> constraint for a media object file.	16	14	2	0	0	-	
DRM-1.0-int-15	To test <interval> constraint for a media object file.	16	16	0	0	0	-	
DRM-1.0-int-16	To test the effect of having multiple constraints.	16	15	1	0	0	-	
DRM-1.0-int-17	To test Interval and Datetime constraints with a mobile that does not have a time source (i.e. a situation where the constraint is not understood and cannot be enforced).	0	0	0	0	0	-	

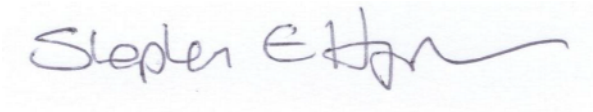
### 5.2.3 Problem Reports

During the activities for TestFest9, there were no problem reports were generated relating to the test materials and test process:

Full details of existing Problem Reports can be found at: <http://www.opengroup.org:8000/OMA-PR/>

## 6. Confirmation

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

A handwritten signature in blue ink that reads "Stephen Higgins". The signature is written in a cursive style with a long, sweeping tail.

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Stephen Higgins - Trusted Zone

## Appendix A. Change History (Informative)

Type of Change	Date	Section	Description