



# **Enabler Release Definition for Mobile Broadcast Services**

Candidate Version 1.1 – 13 Oct 2009

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**Open Mobile Alliance**  
OMA-ERELED-BCAST-V1\_1-20091013-C

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# 1. Scope

The scope of this document is limited to the Enabler Release Definition of Mobile Broadcast Services (BCAST) according to OMA Release process and the Enabler Release specification baseline listed in section 5.

## 2. References

### 2.1 Normative References

[BCAST11-BCMCS-Adaptation]	"Broadcast Distribution System Adaptation – 3GPP2/BCMCS", Open Mobile Alliance™, OMA-TS-BCAST_BCMCS_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-Distribution]	"File and Stream Distribution for Mobile Broadcast Services", Open Mobile Alliance™, OMA-TS-BCAST_Distribution-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-DVBH-IPDC-Adaptation]	"Broadcast Distribution System Adaptation – IPDC over DVB-H", Open Mobile Alliance™, OMA-TS-BCAST_DVB_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-DVBSH-IPDC-Adaptation]	"Broadcast Distribution System Adaptation – IPDC over DVB-SH", Open Mobile Alliance™, OMA-TS-BCAST_DVBSH_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-EREILD]	"Enabler Release Definition for Mobile Broadcast Services", Open Mobile Alliance™, OMA-EREILD-BCAST-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-ETR]	"Enabler Test Requirements for Mobile Broadcast Services", Open Mobile Alliance™, OMA-ETR-BCAST-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST1.1-FLO-IP Adaptation]	"Broadcast Distribution System Adaptation -FLOIP", Open Mobile Alliance™, OMA-TS-BCAST_FLO_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-MBMS-Adaptation]	"Broadcast Distribution System Adaptation – 3GPP/MBMS", Open Mobile Alliance™, OMA-TS-BCAST_MBMS_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-Requirements]	"Mobile Broadcast Services Requirements", Open Mobile Alliance™, OMA-RD-BCAST-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-ServContProt]	"Service and Content Protection for Mobile Broadcast Services", Open Mobile Alliance™, OMA-TS-BCAST_SvcCntProtection-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-Services]	"Mobile Broadcast Services", Open Mobile Alliance™, OMA-TS-BCAST_Services-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST11-SG]	"Service Guide for Mobile Broadcast Services", Open Mobile Alliance™, OMA-TS-BCAST_ServiceGuide-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[BCAST1.1WiMAX-Adaptation]	"Broadcast Distribution System Adaptation – WiMAZ", Open Mobile Alliance™, OMA-TS-BCAST_WiMAX_Adaptation-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[RFC2119]	"Key words for use in RFCs to Indicate Requirement Levels", S. Bradner, March 1997, URL: <a href="http://www.ietf.org/rfc/rfc2119.txt">http://www.ietf.org/rfc/rfc2119.txt</a>
[SCR RULES]	"SCR Rules and Procedures", Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>
[IOPPROC]	"OMA Interoperability Policy and Process", Version 1.1, Open Mobile Alliance™, OMA-IOP-Process-V1_1, URL: <a href="http://www.openmobilealliance.org/">http://www.openmobilealliance.org/</a>

## 2.2 Informative References

- [OMADICT] "Dictionary for OMA Specifications", Version x.y, Open Mobile Alliance™, OMA-ORG-Dictionary-Vx\_y, URL:<http://www.openmobilealliance.org/>
- [BCAST11-Architecture] "Mobile Broadcast Services Architecture", Open Mobile Alliance™, OMA-AD- BCAST-V1\_1, URL: <http://www.openmobilealliance.org/>

## 3. Terminology and Conventions

### 3.1 Conventions

The key words “MUST”, “MUST NOT”, “REQUIRED”, “SHALL”, “SHALL NOT”, “SHOULD”, “SHOULD NOT”, “RECOMMENDED”, “MAY”, and “OPTIONAL” in this document are to be interpreted as described in [RFC2119].

All sections and appendixes, except “Scope”, "Release Version Overview" and “Conformance Requirements Notation Details”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in sections 8 and 9 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

### 3.2 Definitions

<b>Enabler Release</b>	Collection of specifications that combined together form an enabler for a service area, e.g. a download enabler, a browsing enabler, a messaging enabler, a location enabler, etc. The specifications that are forming an enabler should combined fulfil a number of related market requirements.
<b>Minimum Functionality Description</b>	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

### 3.3 Abbreviations

<b>BCMCS</b>	3GPP2 Broadcast Multicast Services
<b>DM</b>	Device Management
<b>DRM</b>	Digital Rights Management
<b>DVB-H</b>	Digital Video Broadcast - Handheld
<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELED</b>	Enabler Release Definition
<b>IPSEC</b>	Internet Protocol – Secure
<b>ISMACryp</b>	Internet Streaming Media Alliance enCrypted
<b>MBMS</b>	3GPP Multimedia Broadcast Multicast Services
<b>MO</b>	Management Object
<b>OMA</b>	Open Mobile Alliance
<b>ROAP</b>	Rights Object Acquisition Protocol
<b>SRTP</b>	Secure Real-Time Transport Protocol
<b>XBS</b>	Extensions for Broadcast Systems
<b>XML</b>	Extensible Markup Language

## 4. Release Version Overview

### 4.1 Version 1.0 Functionality

This document outlines the Enabler Release Definition for Mobile Broadcast Services 1.0 (BCAST 1.0) and the respective conformance requirements for clients and servers implementing claiming compliance to it as defined by Open Mobile Alliance across the specification baseline.

### 4.2 Version 1.1 Functionality

In addition to BCAST 1.0, this document outlines the Enabler Release Definition of Mobile Broadcast Services 1.1 (BCAST 1.1 ), which provides 3 new BDSs (DVB-SH, WiMAX, and FLO-IP) and the enhancement of existing functions and the respective conformance requirements for clients and servers implementing claiming compliance to it as defined by Open Mobile Alliance across the specification base line.



## 5. Document Listing for Mobile Broadcast Services

This section is normative.

Doc Ref	Permanent Document Reference	Description
<b>Requirement Document</b>		
[BCAST1_1-Requirements]	OMA-RD-BCAST-V1_1-20090324-C	Requirement Document for Mobile Broadcast Services
<b>Architecture Document</b>		
[BCAST11-Architecture]	OMA-AD-BCAST-V1_1-20091013-C	Architecture Document for Mobile Broadcast Services
<b>Technical Specifications</b>		
<b>Supporting Files</b>		
TBD		

**Table 1: Listing of Documents in Mobile Broadcast Services Enabler**

## 6. OMNA Considerations

## 7. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column **MUST** be a valid `ScrItem` according to [SCRRULES].
- Feature/Application:** Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.
- Requirement:** Expression in the column **MUST** be a valid `TerminalExpression` according to [SCRRULES] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

## 8. ERDEF for Mobile Broadcast Services - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-<<ENABLER>>-C-001-<<M/O>>	<<ENABLER>> Client	

**Table 2: ERDEF for Mobile Broadcast Services Client-side Requirements**

## 9. ERDEF for Mobile Broadcast Services - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-<<ENABLER>>-S-001-<<M/O>>	<<ENABLER>> Server	

**Table 3: ERDEF for Mobile Broadcast Services Server-side Requirements**

## Appendix A. Change History (Informative)

### A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version

### A.2 Draft/Candidate Version 1.1 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-ERELED-BCAST-V1_1	03 Dec 2008	all	Baseline
	26 Feb 2009	5	Document listing updated
Candidate Version OMA-ERELED-BCAST-V1_1	24 Mar 2009	n/a	Status changed by TP TP ref# OMA-TP-2009-0114- INP_BCAST_V1_1_RD_for_Candidate_Approval
Draft Versions OMA-ERELED-BCAST-V1_1	14 Jul 2009	all	The list of Normative reference is updated The list of informative reference is updated. The list of TSs is updated
	22 Sep 2009	5	Document listing updated
Candidate Version OMA-ERELED-BCAST-V1_1	13 Oct 2009	n/a	Status changed to Candidate by TP TP ref# OMA-TP-2009-0447- INP_BCAST_V1_1_AD_for_Candidate_approval