



Enabler Release Definition for LFC

Approved Version 1.0 – 29 Mar 2011

Open Mobile Alliance
OMA-ERELED-LFC-V1_0-20110329-A

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1. Scope

The scope of this document is limited to the Enabler Release Definition of LFC V1.0 enabler according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [OMA-LFC-AD] “Look and Feel Customization Architecture”, Open Mobile Alliance™, OMA-AD-LFC-V1_0, URL:<http://www.openmobilealliance.org/>
- [OMA-LFC-RD] “Look and Feel Customization Requirements”, Open Mobile Alliance™, OMA-RD-LFC-V1_0, URL:<http://www.openmobilealliance.org/>
- [OMA-LFC-TS] “Look and Feel Customization Architecture”, Open Mobile Alliance™, OMA-TS-LFC-V1_0, URL:<http://www.openmobilealliance.org/>
- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997, URL:<http://www.ietf.org/rfc/rfc2119.txt>
- [SCRRULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, URL:<http://www.openmobilealliance.org/>

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/>

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

Enabler Release	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.
LFC Content Server	An entity that supports the delivery of LFC Packages to an LFC enabled device
LFC Element	One characteristic of a device’s LFC (e.g. screen saver, incoming data message alert, ringtone per caller, etc).
LFC Element Settings	The combination of an LFC Element and an associated value for it
LFC Management Server	An entity that issues and handles the commands to perform Remote Management operations to an LFC enabled device
LFC Operations	Operations targeted on LFC Packages or LFC Element Settings which may be invoked on a LFC Client.
LFC Packages	Group of LFC Element Settings that are part of the device’s Look and Feel. This package is used by a Service Provider to describe part or the whole Look and Feel Customization of the device.
Look and Feel	Appearance and behavior of the device’s user interface.
Look and Feel Customization	Process by which all or part of a device’s Look and Feel is modified
Management Object	A data model for information which is a logical part of the interfaces exposed by DM components.
Minimum Functionality Description	Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.
Remote Management	LFC Operations originating from an entity residing on the network to be performed on an LFC capable device
Secure Removable Card	It refers to secure physical devices able to be inserted to and removed from terminal equipments. These devices must be able to protect not only logically but physically the data and/or applications they carry. Typical secure removable medias in the LFC are the UICC’s (see [OMADICT])

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
DLOTA	DownLoad Over The Air
DM	Device Management

LFC	Look and Feel Customization
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
SRC	Secure Removable Card

4. Release Version Overview

The LFC V1.0 enabler supports the Lightweight Model and Remote Management Model. The Lightweight Model is mandatory and the Remote Management Model is optional. Both models support LFC Package operations. LFC Element Setting is not supported in the LFC V1.0 enabler.

4.1 Version 1.0 Functionality

This LFC V1.0 enabler provides the following main functionalities depending on the model applied:

- For the lightweight model which is the mandatory part of this enabler:
 - Delivery of LFC Packages
 - Installation of the LFC Package
 - Activation and deactivation of LFC Package
 - Removal of LFC Package
- For the Remote Management model which is optional in this release, the main functionalities in addition to those mentioned above are:
 - Locking and unlocking LFC Package
 - Query LFC Package
 - Marking default LFC Package

5. Document Listing for LFC

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[OMA_LFC_RD]	OMA-RD-LFC-V1_0-20110329-A	Requirement Document for LFC Enabler
Architecture Document		
[OMA_LFC_AD]	OMA-AD-LFC-V1_0-20110329-A	Architecture Document for LFC Enabler
Technical Specifications		
[OMA_LFC_TS]	OMA-TS-LFC-V1_0-20110329-A	Specification that defines the protocol for LFC Enabler.
Supporting Files		
[LFC_XSD}	OMA-SUP-XSD_LFC_Package_Metadata_Schema-V1_0-20110329-A	<p>This schema provides the LFC Package Metadata schema for the LFC 1.0 enabler.</p> <p>Working file in directory: file: LFC_Package_Metadata_Schema-v1_0.txt path: http://www.openmobilealliance.org/Tech/profiles</p>

Table 1: Listing of Documents in LFC Enabler

6. OMNA Considerations

Management Object Identifier for the LFC MO is: “urn:oma:mo:oma-lfcmo:1.0”.

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 LFC - Client Requirements

This section is normative.

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

Table 2: ERDEF for LFC Client-side Requirements

9. ERDEF for LFC - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-LFC-S-001- <i><<M/O>></i>	LFC Content Server	
OMA-ERDEF-LFC-S-002- <i><<M/O>></i>	LFC Mnagement Server	

Table 3: ERDEF for LFC Server-side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
OMA-ERELED-LFC-V1_0-20110329-A	29 Mar 2011	Status changed to Approved by TP: OMA-TP-2011-0095-INP_LFC_V1_0_ERP_for_Final_Approval