



Enabler Release Definition for Device Apps Network Efficiency (DANE)

Candidate Version 1.0 – 07 May 2013

Open Mobile Alliance
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1. Scope

The scope of this document is limited to the Enabler Release Definition of Device Apps Network Efficiency (DANE) v1.0 according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- [RFC2119] “Key words for use in RFCs to Indicate Requirement Levels”, S. Bradner, March 1997,
[URL:http://www.ietf.org/rfc/rfc2119.txt](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/](http://www.openmobilealliance.org/)
- [DANE_RD_v1_0] “Device Apps Network Efficiency Requirements, Version 1.0 ”, Open Mobile Alliance™, OMA-RD-DANE-V1_0-D,
[URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 2.9, Open Mobile Alliance™,
OMA-ORG-Dictionary-V2_9, [URL:http://www.openmobilealliance.org/](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.

Minimum Functionality Description Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

3.3 Abbreviations

ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

4. Release Version Overview

The OMA DANE Enabler supports the following:

- a set of Device APIs to be exposed to Device Apps by a Device Service Optimizer; through those APIs authorized Apps will register to the Optimizer declaring their needs in terms of QoS, tolerance to delay etc;
- mapping rules (applied by the Device Service Optimizer) between Apps requesting a particular QoS, the related IP flows and network interfaces on Device.

4.1 Version 1.0 Functionality

DANE V1.0 covers:

- Apps Registration and Events Notification API (exposed by “Device Service Optimizer”)
- The DSO inner logics, i.e. how the DSO reacts to Registration request of a Device App
- How the DSO requires a dedicated bearer to the network,
- DSO Measurements functionality and the Events Notification API
- Policies to manage requests from Device Apps.

5. Document Listing for DANE v1.0

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[DANE_RD_v1_0]	OMA-RD-DANE-V1_0-20130507-C	Requirement Document for DANE v1.0 Enabler
Architecture Document		
Technical Specifications		
Supporting Files		

Table 1: Listing of Documents in DANE v1.0 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 DANE v1.0 – Client Requirements

This section is normative.

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

Table 2: ERDEF for DANE Client-side Requirements

9. ERDEF for DANE v1.0 – Server Requirements

This section is normative.

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

Table 3: ERDEF for DANE 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 1.0 History

Document Identifier	Date	Sections	Description
Draft Version OMA-ERELED-DANE-V1_0	23 Feb 2013	All	Initial baseline for RD review.
	18 Apr 2013	5	Updated RD draft version after closure of all Formal Review comments
	25 Apr 2013	5 App A	Updated RD draft version before submission for Candidate approval Editorial: release version fixed in A.2 title
Candidate Version OMA-ERELED-DANE-V1_0	07 May 2013	N/A	Status changed to Candidate by TP Ref #OMA-TP-2013-0120- INP_DANE_V1_0_RD_for_Candidate_approval