



**Enabler Release Definition for
Next Generation Service Interfaces**
Candidate Version 1.0 – 07 Dec 2010

Open Mobile Alliance
OMA-ERELED-NGSI-V1_0-20101207-C

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1. Scope

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

2. References

2.1 Normative References

- [NGSI AD] “Next Generation Service Interfaces Requirements Architecture”, Open Mobile Alliance™, OMA-AD-NGSI-V1_0, URL:<http://www.openmobilealliance.org/>
- [NGSI RD] “Next Generation Service Interfaces Requirements”, Open Mobile Alliance™, OMA-RD-NGSI-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 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_7, 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 [SCR RULES].

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
ERELED	Enabler Release Definition
NGSI	Next Generation Service Interfaces
OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority

4. Release Version Overview

The aim of OMA NGSI v1.0 is to create a collection of abstract definitions for service interfaces, defined as either extensions to Parlay X APIs or as new interfaces, with the focus set to personal communication service extensions including access to external media/data storage or social services. The focus of the NGSI v1.0 is the standardization of new functional APIs essential to the extensions of personalized communication services from the 3rd Party Service Access point of view. In order to allow for advanced service creation based on multiple services/enablers, interface functionalities for identity federation and related obligations as well as management for the composition of services allowing for dynamic service mash-up are included. The focus is not limited to mobile networks only.

4.1 Version 1.0 Functionality

The NGSI Version 1.0 introduces the following functionalities:

- Data Configuration and Management
- Call Control and Configuration
- Multimedia List Handling Extensions
- Context Management
- Registration and Discovery
- Identity Control functionalities

5. Document Listing for NGSI

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[NGSI_RD]	OMA-RD-NGSI-V1_0-20100803-C	Requirement Document for NGSI Enabler
Architecture Document		
[NGSI_AD]	OMA-AD-NGSI-V1_0-20100803-C	Architecture Document for NGSI Enabler
Technical Specifications		
[NGSI-COM]	OMA-TS-NGSI_Common-V1_0-20100803-C	Technical Specification for extensions to common data structure. This is an extension to Parlay X Common specification [3GPP TS 29.199-1].
[NGSI_CCC]	OMA-TS-NGSI_Call_Control_and_Configuration-V1_0-20101207-C	Technical Specification for extensions to Call control and configuration functionalities. This is an extension to Call Control as defined in [3GPP TS 29.199-2], Call Notifications as defined in [3GPP TS 29.199-3], Call Handling as defined in [3GPP TS 29.199-10] and Multimedia Conferencing as defined in [3GPP TS 29.199-12].
[NGSI_CTX]	OMA-TS-NGSI_Context_Management-V1_0-20100803-C	Technical Specification for definition of context management interface.
[NGSI_DCM]	OMA-TS-NGSI_Data_Configuration_and_Management-V1_0-20100803-C	Technical Specification for definition of data management interface.
[NGSI_IDM]	OMA-TS-NGSI_Identity_Control-V1_0-20100803-C	Technical Specification for definition of identity control interface.
[NGSI_MLH]	OMA-TS-NGSI_Multimedia_List_Handling_Extension-V1_0-20101207-C	Technical Specification for extensions to Multimedia List Handling functionalities. This is an extension to Parlay X specification on Multimedia Streaming as described in [3GPP 29.199-19]
[NGSI_REG]	OMA-TS-NGSI_Registration_and_Discovery-V1_0-20100803-C	Technical Specification for definition of service registration and discovery

Table 1: Listing of Documents in NGSI 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 NGSI - Client Requirements

NGSI interfaces are defined as abstract interfaces. There are no client requirements defined.

9. ERDEF for NGSI - Server Requirements

NGSI interfaces are defined as abstract interfaces. There are no server requirements defined.

Appendix A. Change History

(Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No prior version –or- No previous version within OMA

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions OMA-NGSI-V1_0	30 Apr 2009		Baseline document
	21 Jul 2009	2, 3, 4, 5	Updated according to the RD progress
	23 Jul 2009	2.2	Editorial
	26 Aug 2009	5	Updated the section 5 Editorial
	02 Sep 2009	5	Updated the section 5
Candidate Version OMA-ERELED-NGSI-V1_0	18 Sep 2009	N/A	Status changed to Candidate by TP: OMA-TP-2009-0407R01-INP_NGSI_V1_0_RD_for_Candidate_Approval
Draft Versions OMA-ERELED-NGSI-V1_0	20 Oct 2009	4.1	Adaptation to functionality description in AD as per agreed input: OMA-ARC-NGSI-2009-0083-CR_ERELED_Update_for_AD_Review
	16 Nov 2009	3 5	Section 5 updated Editorial fixes: History box Cover page with correct status Removal of empty rows
Candidate Version OMA-ERELED-NGSI-V1_0	18 Nov 2009	All	Notified to TP: OMA-TP-2009-0531-INP_NGSI_V1_0_RD_for_Notification
Draft Version OMA-ERELED-NGSI-V1_0	03 Feb 2010	All	Editorial fixes: 2010 template Section 5 updated
Candidate Version OMA-ERELED-NGSI-V1_0	23 Feb 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0059-INP_NGSI_V1_0_AD_for_Candidate_approval
Draft Versions OMA-ERELED-NGSI-V1_0	03 Jun 2010	4, 5 6, 8, 9	Implemented Agreed changes: OMA-ARC-NGSI-2010-0120R01-CR_ERELED_Update_section_4_and_5 OMA-ARC-NGSI-2010-0135-CR_TS_ALL_Removal_of_SCR_tables
	10 Jun 2010	5	Section 5 updated before submitting to CONR
	08 Jul 2010	5	Section 5 updated before submitting to CONR
Candidate Version OMA-ERELED-NGSI-V1_0	03 Aug 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0324-INP_NGSI_V1_0_ERP_for_Candidate_Approval
Draft Version OMA-ERELED-NGSI-V1_0	22 Oct 2010	5	Section 5 updated before submitting for re-approval
Candidate Version OMA-ERELED-NGSI-V1_0	07 Dec 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0495-INP_NGSI_V1_0_ERP_for_Candidate_re_Approval