



Enabler Release Definition for Next Generation Service Interfaces

Candidate Version 1.0 – 18 Nov 2009

Open Mobile Alliance
OMA-ERELED-NGSI-V1_0-20091118-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 RD] “Next Generation Service Interfaces Requirements”, Open Mobile Alliance™, OMA-RD-NGSI-V1_0, URL:<http://www.openmobilealliance.org/>
- [NGSI AD] “Next Generation Service Interfaces Requirements Architecture”, Open Mobile Alliance™, OMA-AD-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 |
| ERELD | 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 next generation service interfaces collection 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_0-20091118-C | Requirement Document for NGSI Enabler |
| Architecture Document | | |
| [NGSI_AD] | OMA-AD-NGSI-V1_0-20091125-D | Architecture Document for NGSI Enabler |
| Technical Specifications | | |
| | | |
| | | |
| | | |
| | | |
| Supporting Files | | |
| | | |
| | | |

Table 1: Listing of Documents in NGSI Enabler

6. OMNA Considerations

<< This section is to be used to describe any OMNA items included in the release. This would include, among others:

- Usage of OMA-based Uniform Resource Names (URNs) (including those used as namespace identifiers in Schemas)
- AppIDs for Application Characteristics (AC)
- Managed Object (MO) information for the MO registry
- ISO Object IDs
- PUSH Application Ids
- WAP Wireless Session Protocol (WSP) Content Types
- Presence <service-description> assignments
- Uniform Resource Identifier (URI)-List Registered Usage Names (for XDM)

The format of this section will be left up to the release owners to account for the particular needs they may run into. It should be clear from the written material, though, as to the set of OMNA items needed.

If a new OMNA registry is needed to support the release - clearly this should have been worked with the REL Committee before submitting a Release Document. Failure to do so may result in delays as the required tables are worked up and made publicly available. Another risk is that the table desired is not supported by OMNA (is not a registry type table) and the group will need to re-think how they intend to resolve their needs.

Through the normal development process the OMNA entries or support registries should be accommodated. This should not be trigger to remove the linkage from this section. Thus, if an entry is added to OMNA after the initial Candidate version described the need - the material should stay in this section. It may be useful in subsequent releases to add some text to indicate that the needed items have been accommodated (e.g. add a comment regarding its availability or support as appropriate).

If the release has absolutely no OMNA items to be accommodated - then it should indicate that explicitly with a short description (e.g. this release does not have any OMNA items for handling). This determination probably can not be made until the end of the development phases and editors are encouraged to keep this advisory in place until the Consistency Review.

DELETE THIS COMMENT >>

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

This section is normative.

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

Table 2: ERDEF for NGSI Client-side Requirements

9. ERDEF for NGSI - Server Requirements

This section is normative.

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

Table 3: ERDEF for NGSI Server-side Requirements

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 |