



SOAP Binding for Identity Control

Candidate Version 1.0 – 07 Dec 2010

Open Mobile Alliance
OMA-TS-NGSI_S_Identity_Control-V1_0-20101207-C

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1. Scope

This document specifies the SOAP binding for the NGSI-13 and NGSI-14 interfaces [NGSI Identity Control]. These new interfaces are exposed by the NGSI Enabler to support resolution of identifiers, as well as registration, revocation, and deletion of identifiers.

2. References

2.1 Normative References

[NGSI Identity Control]	“NGSI Identity Control”, Open Mobile Alliance™, OMA-TS-NGSI_Identity-V1_0, URL: http://www.openmobilealliance.org/
[NGSI-SUP-IdentityManagement]	“WSDL package for NGSI Identity Control”, Open Mobile Alliance™, OMA-SUP-WSDL_ngsi_identity_management-V1_0, URL: http://www.openmobilealliance.org/
[NGSI-SUP-IdentityResolution]	“WSDL package for NGSI Identity Control”, Open Mobile Alliance™, OMA-SUP-WSDL_ngsi_identity_resolution-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 2.8, Open Mobile Alliance™, OMA-ORG-Dictionary-V2_8, URL: http://www.openmobilealliance.org/
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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” and “Introduction”, are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

None in this version.

3.3 Abbreviations

NGSI	Next Generation Service Interfaces
NGSI-S	SOAP Bindings for NGSI
OMA	Open Mobile Alliance

4. Introduction

The NGSI Identity Control interfaces do not extend any Parlay-X interfaces. This specification provides all WSDL and XSD files needed to implement these interfaces.

4.1 Version 1.0

This specification provides the SOAP binding for the NGSI-13 and NGSI-14 interfaces as specified in [NGSI Identity Control]. The WSDL representation and the verification files as listed in section 5 are contained in the support files [NGSI-SUP-IdentityResolution] and [NGSI-SUP-IdentityManagement].

5. WSDL for Identity Control

The WSDL representation for the NGSI-13 interface is contained in the support file [NGSI-SUP-IdentityResolution] and consists of the following files:

- ngsi-identity-resolution-interface-v1_0.wsdl
- ngsi-identity-resolution-service-v1_0.wsdl

The above WSDL files can be verified using the following files:

- n13_wsdl2Java_axis-1_4.bat
- n13_wsdl2Java_axis2-1_4_1.bat

The WSDL representation for the NGSI-14 interface is contained in the support file [NGSI-SUP-IdentityManagement] and consists of the following files:

- ngsi-identifier-types-v1_0.xsd
- ngsi-identity-management-interface-v1_0.wsdl
- ngsi-identity-management-service-v1_0.wsdl

The above WSDL files can be verified using the following files:

- n14_wsdl2Java_axis-1_4.bat
- n14_wsdl2Java_axis2-1_4_1.bat

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
n/a	n/a	No previous version within OMA

A.2 Draft Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions: OMA-TS-NGSI_S_Identity_Control-V1_0	12 Aug 2010	All	Skeleton document created
	09 Sep 2010	1, 2.1, 4, 5	Incorporated: OMA-ARC-NGSI-2010-0178-CR_TS_Identity_Control_Intro-Scope_Refs OMA-ARC-NGSI-2010-171R01
	13 Sep 2010	Appx B	Incorporated: OMA-ARC-NGSI-2010-0187R01-CR_SCRs_for_Identity_Control_TS
	21 Oct 2010	2, 3.3, 4.1, Appendix B	Group's review on confcall 21 October 2010
Candidate Version: OMA-TS-NGSI_S_Identity_Control-V1_0	07 Dec 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0500-INP_NGSI_S_V1_0_ERP_for_Candidate_Approval

Appendix B. Static Conformance Requirements (Normative)

The notation used in this appendix is specified in [SCRRULES].

The “Reference” column of the SCR tables below refers to a section in this document. Additionally, this column also refers to the appropriate section in the TS of the abstract interface definitions, if applicable.

Hereby, IC-x stands for section x in [NGSI Identity Control].

Support for NGSI-13 does not require support for NGSI-14 interface and vice versa. This means, the SCR items for NGSI-13 interface (in section B.1) and the SCR items for NGSI-14 interface (in section B.2) are independent from each other.

B.1 SCR for NGSI-13

B.1.1 SCR for NGSI-13 Server

Item	Function	Reference	Requirement
NGSI-13-SUPPORT-S-001-M	Support for the Identity Resolution Interface (NGSI-13)	5, IC-5.1.4	
NGSI-13-SUPPORT-S-002-M	Support for the SOAP/XML request & response format	5	

Table 1 SCR for NGSI-13 Server Functions

B.1.2 SCR for NGSI-13.Resolve.Identifier Server

Item	Function	Reference	Requirement
NGSI-13-RES-ID-S-001-M	Support for Identifier Resolution	5, IC-5.1.4.1	
NGSI-13-RES-ID-S-002-M	ResolveIdentifier operation	5, IC-5.1.4.1.1	

Table 2 SCR for NGSI-13 Identifier Resolution Server Functions

B.2 SCR for NGSI-14

B.2.1 SCR for NGSI-14 Server

Item	Function	Reference	Requirement
NGSI-14-SUPPORT-S-001-M	Support for the Identity Management Interface (NGSI-14)	5, IC-5.1.5	
NGSI-14-SUPPORT-S-002-M	Support for the SOAP XML request & response format	5	

Table 3 SCR for NGSI-14 Server Functions

B.2.2 SCR for NGSI-14.Management.Identifier Server

Item	Function	Reference	Requirement
NGSI-14-MGMT-ID-S-001-M	Support for Identifier Management	5, IC-5.1.5.2	
NGSI-14-MGMT-ID-S-002-M	CreateIdentifier request	5, IC-5.1.5.2.1.1	
NGSI-14-MGMT-ID-S-003-O	CreateIdentifier request with NewIdentifier	5, IC-5.1.5.2.1.1	
NGSI-14-MGMT-ID-S-004-O	CreateIdentifier request with TargetIdentifier	5, IC-5.1.5.2.1.1	
NGSI-14-MGMT-ID-S-005-O	CreateIdentifier request with Policy	5, IC-5.1.5.2.1.1	
NGSI-14-MGMT-ID-S-006-O	CreateIdentifier request with IdentifierType	5, IC-5.1.5.2.1.1	
NGSI-14-MGMT-ID-S-007-M	CreateIdentifier response	5, IC-5.1.5.2.1.2	
NGSI-14-MGMT-ID-S-008-M	GetTargetsOfIdentifier operation	5, IC-5.1.5.2.6	
NGSI-14-MGMT-ID-S-009-M	RevokeIdentifier operation	5, IC-5.1.5.2.7	
NGSI-14-MGMT-ID-S-0010-M	DeleteIdentifier operation	5, IC-5.1.5.2.8	

Table 4 SCR for NGSI-14 Identifier Management Server Functions

B.2.3 SCR for NGSI-14.Managemet.Policy Server

Item	Function	Reference	Requirement
NGSI-14-MGMT-POL-S-001-M	Support for Policy Management	5, IC-5.1.5.2	
NGSI-14-MGMT-POL-S-002-M	SetIdentifierPolicy operation	5, IC-5.1.5.2.2	
NGSI-14-MGMT-POL-S-003-M	GetIdentifierPolicyByPolicyId operation	5, IC-5.1.5.2.3	
NGSI-14-MGMT-POL-S-004-M	GetIdentifierPolicyByTargetID operation	5, IC-5.1.5.2.4	
NGSI-14-MGMT-POL-S-005-M	ClearIdentifierPolicy operation	5, IC-5.1.5.2.5	

Table 5 SCR for Policy Management Server Functions