



SOAP bindings for Call Notification

Candidate Version 1.0 – 07 Dec 2010

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

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1. Scope

This document specifies the SOAP binding for NGSI-5 interface [NGSI Call Control and Configuration]. As NGSI-5 is an extension to Parlay-X Part 3 [3GPP TS 29.199-3] and all the corresponding WSDL files from Parlay-X Part 3 are affected by the extensions defined by NGSI-5, all the corresponding WSDL files are provided together.

2. References

2.1 Normative References

- [3GPP TS 29.199-3] “Open Service Access (OSA) Parlay X web services; Part 3:Call Notification”, 3GPP TS 29.199-3 Rel.8, [URL:http://www.3gpp.org/](http://www.3gpp.org/)
- [NGSI Call Control and Configuration] “NGSI Call Control and Configuration”, Open Mobile Alliance™, OMA-TS-NGSI_Call_Control_and_Configuration-V1_0, URL:<http://www.openmobilealliance.org/>
- [NGSI-SUP-CallNotification] “WSDL package for NGSI Call Notification”, Open Mobile Alliance™, OMA-SUP-WSDL_ngsi_call_notificaiton-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](http://www.ietf.org/rfc/rfc2119.txt)
- [SCR RULES] “SCR Rules and Procedures”, Open Mobile Alliance™, OMA-ORG-SCR_Rules_and_Procedures, [URL:http://www.openmobilealliance.org/](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/](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” 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_Call_Notification_Extension interface extends Parlay-X Call Notification interface (Part 3). The XSD file and WSDL files from Parlay-X Part 3 are used as basis for the extended data files.

To ensure consistency for the usage of the extended Parlay X Part 3 interface and to respect the references between the interfaces and the related XSD, this specification provides all updated WSDL and XSD files.

4.1 Version 1.0

This specification provides the SOAP binding for the NGSI-5 interfaces as specified in [NGSI Call Control and Configuration]. The WSDL representation and the verification files as listed in section 5 are contained in the support file [NGSI-SUP-CallNotification].

5. WSDL for Call Notification

The WSDL representation for the NGSI-5 interface is contained in the support file [NGSI-SUP-CallNotification] and consists of the following files:

- `ngsi_call_direction_interface-v1_0.wsdl`
- `ngsi_call_direction_service-v1_0.wsdl`
- `ngsi_call_direction_manager_interface-v1_0.wsdl`
- `ngsi_call_direction_manager_service-v1_0.wsdl`
- `ngsi_call_notification_interface-v1_0.wsdl`
- `ngsi_call_notification_service-v1_0.wsdl`
- `ngsi_call_notification_manager_interface-v1_0.wsdl`
- `ngsi_call_notification_manager_service-v1_0.wsdl`
- `ngsi_call_notification_types-v1_0.xsd`

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

- `ngsi5_wsdl2Java_axis-1_4.bat`
- `ngsi5_wsdl2Java_axis2-1_4_1.bat`

Appendix A. Change History (Informative)

A.1 Approved Version History

Reference	Date	Description
None yet.		

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions: OMA-TS-NGSI_S_Call_Notification-V1_0	12 Aug 2010	All	Skeleton document
	16 Sep 2010	1, 2.1, 4	Add Intro, Scope, and Reference section text CRs implemented: OMA-ARC-NGSI-2010-0177R01- CR_TS_Call_Notification_Intro_Scope_Refs
	24 Sep 2010	2.1, Annex B	Added SCR, fixed typo in reference section. CRs implemented: OMA-ARC-NGSI-2010-0197R01-CR_SCR_for_Call_Notification_TS
	08 Oct 2010	Annex B	Modifications for NGSI-5.CN Server CRs implemented: OMA-ARC-NGSI-2010-0205- CR_SCR_for_Call_Notification_
	21 Oct 2010	All	Groups' Review during conference call 21 October 2010
Candidate Version: OMA-TS-NGSI_S_Call_Notification-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. Additionally, this column also refers to the appropriate section in the TS of the abstract interface definitions, if applicable.

Hereby, CCC-x stands for section x in [NGSI Call Control and Configuration] and PX3-x stands for section x in [3GPP TS 29.199-3].

B.1 SCR for NGSI-5 Server

Item	Function	Reference	Requirement
NGSI-5-SUPPORT-S-001-M	Support for the Call Control extension Interface (NGSI-4)	5, CCC-6.1	
NGSI-5-SUPPORT-S-002-M	Support for the SOAP/ XML request & response format	5	

Table 1 SCR for NGSI-5 Server Functions

B.2 SCR for NGSI-5.CN Server

Item	Function	Reference	Requirement
NGSI-5-CN-S-001-M	Support for the Call Direction Interface	5, PX3-8.1	
NGSI-5-CN-S-002-M	Support for Call Direction to handle “Busy”, “NotReachable”, “NoAnswer”, “CalledNumber” call events	5, PX3-8.1.5	
NGSI-5-CN-S-003-O	Support for Call Direction to handle the call event with a list of participants to be forward in forwarding	5, PX3-8.1.1 CCC-6.1.3.1	
NGSI-5-CN-S-004-O	Support for Call Direction to handle the call event with ring back media extension	5, PX3-8.1.1 CCC-6.1.3.1	
NGSI-5-CN-S-005-O	Support for Call Direction to handle the call event with alerting media extension	5, PX3-8.1.1 CCC-6.1.3.1	
NGSI-5-CN-S-006-O	Support for Call Direction to handle the call event with address display setting extension for anonymous call	5, PX3-8.1.1 CCC-6.1.3.1	
NGSI-5-CN-S-007-O	Support for Call Direction to handle the case “Busy” with call recording extension	5, PX3-8.1.1 CCC-6.1.3.1	

Table 2 SCR for NGSI-5 Call Notification Server Functions