SOAP Binding for Multimedia Streaming

Candidate Version 1.0 – 07 Dec 2010

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

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Figures

None.

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1. Scope

This document specifies the SOAP binding for NGSI-8 interface [NGSI Multimedia List Handling Extension]. As NGSI-8 is an extension to Parlay-X 19 [3GPP TS 29.199-19] and all the corresponding WSDL files from Parlay-X 19 are affected by the extensions defined by NGSI-8, all the corresponding WSDL are provided together.

2. References

2.1 Normative References

[3GPP TS 29.199-19]	"Open Service Access (OSA) Parlay X web services; Part 19", URL:http://www.3gpp.org/
[NGSI Multimedia List Handling Extension]	"NGSI Multimedia List Handling Extension", Open Mobile Alliance™, OMA-TS-NGSI_Multimedia_List_Handling_Extension-V1_0, URL:http://www.openmobilealliance.org/
[NGSI-SUP-Streaming]	"WSDL package for NGSI Streaming", Open Mobile Alliance™, OMA-SUP-WSDL_ngsi_streaming-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/

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_Multimedia_List_Handling_Extension interface extends Parlay-X Multimedia Streaming interface (Part 19). The XSD file and WSDL files from Parlay-X 19 are used as basis for the extended data files.

To ensure consistency for the usage of the extended Parlay X-19 interface and to respect the references between the interfaces and the related XSD, this specification provides all updated WSDL and XSD files although only one of three interfaces is extended in NGSI-8.

4.1   Version 1.0

This specification provides the SOAP binding for the NGSI-8 interfaces as specified in [NGSI Multimedia List Handling Extension]. The WSDL representation and the verification files as listed in section 5 are contained in the support file [NGSI-SUP-Streaming].

5. WSDL for Multimedia streaming with Multimedia List Handling Extensions

The WSDL representation of Parlay-X Part 19 with NGSI-8 interface extensions is contained in the support file [NGSI-SUP-Streaming] and consists of the following files:

- ngsi_streaming_interface-v1_0.wsdl

- ngsi_streaming_notification_interface_v1_0.wsdl

- ngsi_streaming_notification_manager_interface-v1_0.wsdl

- ngsi_streaming_notification_manager_service-v1_0.wsdl

- ngsi_streaming_notification_service-v1_0.wsdl

- ngsi_streaming_service-v1_0.wsdl

- ngsi_streaming_types-v1_0.xsd

The WSDL files can be verified using the following files:

- ngsi8_wsdl2Java_axis-1_4.bat

- ngsi8_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/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions: OMA-TS-NGSI_S_MultimediaStreaming-V1_0	12 Aug 2010	all	Baseline draft
	09 Sep 2010	2.1, 5	Incorporates input: OMA-ARC-NGSI-2010-0164R01-CR_TS_MultimediaStreaming_Sect5
	23 Sep 2010	Appx B	Incorporates input: OMA-ARC-NGSI-2010-0194-CR_SCRs_for_Multimedia_Streaming_TS
	21 Oct 2010	2,3,4 Appx B	Group's Review on confcall 21 October 2010
Candidate Version: OMA-TS-NGSI_S_MultimediaStreaming-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, MLH-x stands for section x in [NGSI Multimedia List Handling Extension].

B.1   SCR for NGSI-8

B.1.1   SCR for NGSI-8 Server

Item	Function	Reference	Requirement
NGSI-8-SUPPORT-S-001-M	Support for the Multimedia List Handling Extension for the Streaming interface (NGSI-8)	5, MLH-5.4	
NGSI-8-SUPPORT-S-002-M	Support for the SOAP/ XML request & response format	5	

Table 1 SCR for NGSI-8 Server Functions

B.1.2   SCR for NGSI-8.MultimediaListHandling Server

Item	Function	Reference	Requirement
NGSI-8-MLH-S-001-M	Support for Multimedia List Handling	5, MLH-5.4.1.	
NGSI-8-MLH-S-002-M	setPlaylistRequest	5, MLH -5.4.1.1.1	
NGSI-8-MLH-S-003-O	setPlaylistRequest with UserIdentifier	5, MLH -5.4.1.1.1	
NGSI-8-MLH-S-004-O	setPlaylistRequest with OnPresenceStatusRules	5, MLH -5.4.1.1.1	
NGSI-8-MLH-S-005-M	setPlaylistResponse	5, MLH -5.4.1.1.2	
NGSI-8-MLH-S-006-M	clearPlaylist operation	5, MLH -5.4.1.2	

Table 2 SCR for NGSI-8 Multimedia List Handling Server Functions