



# SOAP Binding for Multimedia Streaming

## Approved Version 1.0 – 29 May 2012

---

**Open Mobile Alliance**  
OMA-TS-NGSI\_S\_Multimedia\_Streaming-V1\_0-20120529-A

Use of this document is subject to all of the terms and conditions of the Use Agreement located at <http://www.openmobilealliance.org/UseAgreement.html>.

Unless this document is clearly designated as an approved specification, this document is a work in process, is not an approved Open Mobile Alliance™ specification, and is subject to revision or removal without notice.

You may use this document or any part of the document for internal or educational purposes only, provided you do not modify, edit or take out of context the information in this document in any manner. Information contained in this document may be used, at your sole risk, for any purposes. You may not use this document in any other manner without the prior written permission of the Open Mobile Alliance. The Open Mobile Alliance authorizes you to copy this document, provided that you retain all copyright and other proprietary notices contained in the original materials on any copies of the materials and that you comply strictly with these terms. This copyright permission does not constitute an endorsement of the products or services. The Open Mobile Alliance assumes no responsibility for errors or omissions in this document.

Each Open Mobile Alliance member has agreed to use reasonable endeavors to inform the Open Mobile Alliance in a timely manner of Essential IPR as it becomes aware that the Essential IPR is related to the prepared or published specification. However, the members do not have an obligation to conduct IPR searches. The declared Essential IPR is publicly available to members and non-members of the Open Mobile Alliance and may be found on the “OMA IPR Declarations” list at <http://www.openmobilealliance.org/ipr.html>. The Open Mobile Alliance has not conducted an independent IPR review of this document and the information contained herein, and makes no representations or warranties regarding third party IPR, including without limitation patents, copyrights or trade secret rights. This document may contain inventions for which you must obtain licenses from third parties before making, using or selling the inventions. Defined terms above are set forth in the schedule to the Open Mobile Alliance Application Form.

NO REPRESENTATIONS OR WARRANTIES (WHETHER EXPRESS OR IMPLIED) ARE MADE BY THE OPEN MOBILE ALLIANCE OR ANY OPEN MOBILE ALLIANCE MEMBER OR ITS AFFILIATES REGARDING ANY OF THE IPR'S REPRESENTED ON THE “OMA IPR DECLARATIONS” LIST, INCLUDING, BUT NOT LIMITED TO THE ACCURACY, COMPLETENESS, VALIDITY OR RELEVANCE OF THE INFORMATION OR WHETHER OR NOT SUCH RIGHTS ARE ESSENTIAL OR NON-ESSENTIAL.

THE OPEN MOBILE ALLIANCE IS NOT LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, INDIRECT, PUNITIVE, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE USE OF DOCUMENTS AND THE INFORMATION CONTAINED IN THE DOCUMENTS.

© 2012 Open Mobile Alliance Ltd. All Rights Reserved.

Used with the permission of the Open Mobile Alliance Ltd. under the terms set forth above.

# Contents

- 1. SCOPE.....4
- 2. REFERENCES .....5
  - 2.1 NORMATIVE REFERENCES.....5
  - 2.2 INFORMATIVE REFERENCES.....5
- 3. TERMINOLOGY AND CONVENTIONS.....6
  - 3.1 CONVENTIONS.....6
  - 3.2 DEFINITIONS.....6
  - 3.3 ABBREVIATIONS.....6
- 4. INTRODUCTION .....7
  - 4.1 VERSION 1.0 .....7
- 5. WSDL FOR MULTIMEDIA STREAMING WITH MULTIMEDIA LIST HANDLING EXTENSIONS.....8
- APPENDIX A. CHANGE HISTORY (INFORMATIVE).....9
  - A.1 APPROVED VERSION HISTORY .....9
- APPENDIX B. STATIC CONFORMANCE REQUIREMENTS (NORMATIVE).....10
  - B.1 SCR FOR NGSI-8.....10
    - B.1.1 SCR for NGSI-8 Server .....10
    - B.1.2 SCR for NGSI-8.MultimediaListHandling Server.....10

# Tables

- Table 1 SCR for NGSI-8 Server Functions .....10
- Table 2 SCR for NGSI-8 Multimedia List Handling Server Functions .....10

# 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/](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/](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/](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)
- [SCRRULES] “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\_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\_wsd2Java\_axis-1\_4.bat
- ngsi8\_wsd2Java\_axis2-1\_4\_1.bat



## Appendix A. Change History

(Informative)

### A.1 Approved Version History

Reference	Date	Description
OMA-TS-NGSI_S_Multimedia_Streaming-V1_0-20120529-A	29 May 2012	Status changed to Approved by TP Ref TP Doc # OMA-TP-2012-0205-INP_NGSI_S_V1_0_for_Final_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