



Reference Release Definition for SMIL for the Mobile Domain

Candidate Version 1.0 – 04 Dec 2012

Open Mobile Alliance
OMA-RRELD-MobileDomainSMIL-V1_0-20121204-C

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1. Scope

The scope of this document is limited to the Reference Release Definition of SMIL for the Mobile Domain according to OMA Release process and the Reference Release document baseline listed in section 5.

2. References

2.1 Normative References

- [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)
- [MobileDomainSMIL_RD] “Mobile Domain SMIL Requirements”, Feb 2006, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [SMIL21] “Synchronized Multimedia Integration Language (SMIL 2.1)” W3C Candidate Recommendation 28 September 2005, <http://www.w3.org/TR/2005/PR-SMIL2-20050928/>

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version x.y, 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 “Release Version Overview” are normative, unless they are explicitly indicated to be informative.

3.2 Definitions

Reference Release	A set of specifications and/or white papers which form a formal deliverable of OMA. The release can be referenced or otherwise used to support implementable enabler releases, but it cannot by itself be implemented in products.
Reference Release Definition	A definition of the documents that are included in a Reference Release.
Multimedia Synchronization	Process of temporal coordination of multiple multimedia objects for the purpose of ensuring that each object is rendered according to the predefined rules.
Synchronized Multimedia Content	Multimedia content capable of multimedia synchronization.
Synchronized Multimedia Object	Multimedia object capable of multimedia synchronization.

3.3 Abbreviations

OMA	Open Mobile Alliance
OMNA	Open Mobile Naming Authority
SMIL	Synchronized Multimedia Integration Language
RRELD	Reference Release Definition
SVG	Scalable Vector Graphics
MMS	Multimedia Messaging Service

4. Release Version Overview

Synchronized Multimedia Integration Language (SMIL) as defined by W3C is a language for integrating multiple XML applications in a synchronized manner..

W3C issued SMIL 2.1[SMIL21] as W3C Proposed Recommendation to give a stable specification to be based on, in September 2005.. In order to guarantee that these profiles meet the requirements of OMA members, it is important to define OMA requirements and liaise with W3C to insure OMA requirements are met.

This reference release includes requirement document for Mobile Domain SMIL. The goal of the requirement document is to produce a OMA-wide single multimedia synchronization requirement which lead to a single synchronization profile in the mobile markets. It is used to determine the selection of modules defined in external organizations or to feed additional requirements to external organizations for an industry-wide single profile.

4.1 Version 1.0 Functionality

OMA requirements for SMIL fall into three main areas:

1. What is the subset of features and modules of full SMIL2.1 that are appropriate for the mobile environment and resource limited devices.
2. What are the requirements for SMIL 2.1 usable in a wide range of OMA clients from browsers to MMS.
3. What are the features of SMIL2.1 that are aligned to OMA SVG for Mobile Domain for its SMIL Animation use.

5. Document Listing for Mobile Domain SMIL

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[MobileDomainSMIL_RD]	OMA-RD-MobileDomainSMIL-V1_0-20060209-C	Requirement Document for Mobile Domain SMIL Reference Package

Table 1: Listing of Documents in Mobile Domain SMIL Reference Release

6. OMNA Considerations

There is no required OMNA registration.

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
OMA-xyyz-V1_0-20021001-A	01 Oct 2002	Initial document to address the basic starting point Ref TP Doc# OMA-TP-2002-1234-xyyzForApproval
OMA-xyyz-V1_1-20030405-A	05 Apr 2003	description of changed Ref TP Doc# OMA-TP-2003-0321-xyyzV1_1forApproval

A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions	08 Feb 2012	All	Template
OMA-ERELED-MobileDomainSMIL-V1_0	13 Nov, 2012	All	Overall changes with agreed CR: OMA-CD-2012-0123-CR_MobileDomainSMIL_RRELD_Update
Candidate Version	04 Dec 2012	All	Status changed to Candidate by TP Doc#: OMA-TP-2012-0447-INP_SMIL_V1_0_RRP_for_Candidate_approval
OMA-ETR-MobAR-V1_0			