



Enabler Release Definition for Scalable Vector Graphics (SVG) Mobile Domain

Approved Version 1.0 – 17 Mar 2009

Open Mobile Alliance
OMA-ERELED-SVG_Mobile_Domain-V1_0-20090317-A

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1. Scope

The scope of this document is limited to the Enabler Release Definition of Scalable Vector Graphics (SVG) for the Mobile Domain according to OMA Release process and the Enabler Release specification baseline listed in section 5.

2. References

2.1 Normative References

- ESMP11 “ECMAScript Mobile Profile”, Version 1.1, Open Mobile Alliance™, OMA-TS-ESMP-V1_1
- [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/)
- SVGT12 “Scalable Vector Graphics (SVG) Tiny 1.2 Specification”, W3C Candidate Recommendation, 10 August
2006, URL: <http://www.w3.org/TR/SVGMobile12/>

2.2 Informative References

- [OMADICT] “Dictionary for OMA Specifications”, Version 1.4, Open Mobile Alliance™,
OMA-ORG-Dictionary-V1_4, [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”, "Release Version Overview" and “Conformance Requirements Notation Details”, are normative, unless they are explicitly indicated to be informative.

The formal notation convention used in sections 7 and 8 to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCR RULES].

3.2 Definitions

Enabler Release Collection of specifications that combined together form an enabler for a service area, e.g. a download enabler, a browsing enabler, a messaging enabler, a location enabler, etc. The specifications that are forming an enabler should combined fulfil a number of related market requirements.

3.3 Abbreviations

DOM	Document Object Model
ERDEF	Enabler Requirement Definition
ERELD	Enabler Release Definition
OMA	Open Mobile Alliance
RME	Rich Media Enabler
SVG	Scalable Vector Graphics

4. Release Version Overview

SVG for the Mobile Domain is the endorsement and encapsulation of the W3C profiled specification “Scalable Vector Graphics (SVG) Tiny 1.2 Specification” [SVGT12]. It supports the same functionality found in the W3C specification, and is broken down into modules to support the development of test requirements and a test suite.

SVG is an XML based declarative language for describing both static and dynamic graphical objects. As it is based on the Document Object Model (DOM), graphics built with SVG are modifiable and extendable. SVG supports the use of ECMAScript [ESMP11] as its embedded scripting language (the same language used with XHTML Mobile Profile as part of the browsing engine).

SVG Tiny 1.2 is a profile of SVG that is designed for lower power graphical devices (such as mobile handsets) . It is expected that SVG will be the basis for display environments that wish to extend the graphical capabilities found in the browser, and in browser based rendering environments. The first application of SVG for the Mobile Domain will be in the Rich Media Enabler (RME), where SVG will be the declarative language used to describe graphical scenes.

4.1 Version 1.0 Functionality

SVG for the Mobile Domain is delivered as a single functional release. It is a complete encapsulation of the W3C SVG Tiny 1.2 specification. It neither adds nor removes functionality. It is expected that as W3C releases subsequent versions of the “Tiny” profiled specification, that this enabler will require new versions.

5. Document Listing for SVG Mobile Domain

This section is normative.

Doc Ref	Permanent Document Reference	Description
Requirement Document		
[SVG_Mobile_Domain_RD]	OMA-RD-SvgMobileDomain-V1_0-20090317-A	Requirement Document for SVG Mobile Domain Enabler
Technical Specifications		
[SVG_Mobile_Domain_TS]	OMA-TS-SVG_Mobile-V1_0-20090317-A	SVG Mobile Domain Specification

Table 1: Listing of Documents in SVG Mobile Domain Enabler

6. Conformance Requirements Notation Details

This section is informative

The tables in following chapters use the following notation:

- Item:** Entry in this column **MUST** be a valid ScrItem according to [SCRRULES].
- Feature/Application:** Entry in this column **SHOULD** be a short descriptive label to the **Item** in question.
- Requirement:** Expression in the column **MUST** be a valid TerminalExpression according to [SCRRULES] and it **MUST** accurately reflect the architectural requirement of the **Item** in question.

7. ERDEF for SVG Mobile Domain - Client Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-SVGMD-C-001-M	SVG for the Mobile Domain Client	ESMP:MCF

Table 2: ERDEF for SVG Mobile Domain Client-side Requirements

8. ERDEF for SVG Mobile Domain - Server Requirements

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-SVGMD-S-001-M	SVG for the Mobile Domain Server	ESMP:MCF

Table 3: ERDEF for SVG Mobile Domain Server-side Requirements

Appendix A. Change History

(Informative)

A.1 Approved Version 1.0 History

Reference	Date	Description
OMA-ERELED-SVG_Mobile_Domain-V1_0	17 Mar 2009	Status changed to Approved by TP: OMA-TP-2009-0103- INP_SVG_Mobile_Domain_V1_0_ERP_for_Final_Approval