



# **Enabler Release Definition for RESTful bindings for Parlay X Web Services**

**Candidate Version 1.0 – 27 Apr 2010**

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**Open Mobile Alliance**  
OMA-ERELED-ParlayREST-V1\_0-20100427-C

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# 1. Scope

The scope of this document is limited to the Enabler Release Definition of RESTful bindings for Parlay X Web Services (ParlayREST) according to OMA Release process and the Enabler Release specification baseline listed in section 5.

## 2. References

### 2.1 Normative References

- [PSA] “Reference Release Package for Parlay Service Access”, Open Mobile Alliance™, OMA-RRP-PSA-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_Common] “RESTful bindings for Parlay X Web Services – Common”, Open Mobile Alliance™, OMA-TS-ParlayREST\_Common-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_SMS] “RESTful bindings for Parlay X Web Services –Short Messaging”, Open Mobile Alliance™, OMA-TS-ParlayREST\_ShortMessaging-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_MMS] “RESTful bindings for Parlay X Web Services – Multi Media Messaging”, Open Mobile Alliance™, OMA-TS-ParlayREST\_MultiMediaMessaging-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_Payment] “RESTful bindings for Parlay X Web Services – Payment”, Open Mobile Alliance™, OMA-TS-ParlayREST\_Payment-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_Location] “RESTful bindings for Parlay X Web Services – Terminal Location”, Open Mobile Alliance™, OMA-TS-ParlayREST\_TerminalLocation-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_TS\_OneAPI] “OneAPI Profile of ParlayREST Web Services”, Open Mobile Alliance™, OMA-TS-ParlayREST\_OneAPIProfile-V1\_0, [URL:http://www.openmobilealliance.org/](http://www.openmobilealliance.org/)
- [REST\_WP] “White Paper on Guidelines for ParlayREST API specifications” , Open Mobile Alliance™, OMA-WP-Guidelines\_for\_ParlayREST\_API\_specifications, [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 2.7, Open Mobile Alliance™, OMA-ORG-Dictionary-V2\_7, [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 8 and **Error! Reference source not found.** to formally express the structure and internal dependencies between specifications in the Enabler Release specification baseline is detailed in [SCRRULES].

### 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.

**Minimum Functionality Description** Description of the guaranteed features and functionality that will be enabled by implementing the minimum mandatory part of the Enabler Release.

### 3.3 Abbreviations

<b>API</b>	Application Programming Interface
<b>ERDEF</b>	Enabler Requirement Definition
<b>ERELD</b>	Enabler Release Definition
<b>MMS</b>	Multimedia Messaging Service
<b>OMA</b>	Open Mobile Alliance
<b>OMNA</b>	Open Mobile Naming Authority
<b>REST</b>	Representational State Transfer
<b>SMS</b>	Short Messaging Service
<b>XML</b>	Extensible Markup Language

## 4. Release Version Overview

The scope of this enabler release is to specify a REST Web Services binding for the set of Parlay X Web Services specifications in OMA. The REST protocol bindings are defined for an abstract API, based on existing OMA enablers.

### 4.1 Version 1.0 Functionality

ParlayREST V1\_0 defines REST protocol bindings for the following APIs:

- Short Messaging Parlay X Web Services, as defined in PSA V1\_0 [PSA]
- Multi Media Messaging Parlay X Web Services, as defined PSA V1\_0 [PSA]
- Payment Parlay X Web Services, as defined in PSA V1\_0 [PSA]
- Terminal Location Parlay X Web Services, as defined in PSA V1\_0 [PSA]

## 5. Document Listing for ParlayREST

This section is normative. As ParlayREST is a so-called Fast Track enabler release, no separate Requirements Document and Architecture Document deliverables are produced.

Doc Ref	Permanent Document Reference	Description
<b>Technical Specifications</b>		
[REST_TS_Common]	OMA-TS-ParlayREST_Common-V1_0-20100427-C	RESTful bindings for Parlay X Web Services – Common
[REST_TS_SMS]	OMA-TS-ParlayREST_ShortMessaging-V1_0-20100427-C	RESTful bindings for Parlay X Web Services – Short Messaging Service
[REST_TS_MMS]	OMA-TS-ParlayREST_MultiMediaMessaging-V1_0-20100427-C	RESTful bindings for Parlay X Web Services – Multimedia Messaging Service
[REST_TS_Payment]	OMA-TS-ParlayREST_Payment-V1_0-20100427-C	RESTful bindings for Parlay X Web Services – Payment
[REST_TS_Location]	OMA-TS-ParlayREST_TerminalLocation-V1_0-20100427-C	RESTful bindings for Parlay X Web Services – Terminal Location
[REST_TS_OneAPI]	OMA-TS-ParlayREST_OneAPIProfile-V1_0-20100427-C	OneAPI Profile of ParlayREST Web Services
<b>Supporting Files</b>		
[REST_SUP_Common]	OMA-SUP-XSD_rest_common-V1_0-20100427-C	XML schema for ParlayREST – Common Working file in Schema directory: file: rest_common-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>
[REST_SUP_SMS]	OMA-SUP-XSD_rest_sms-V1_0-20100427-C	XML schema for ParlayREST – SMS Working file in Schema directory: file: rest_sms-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>
[REST_SUP_MMS]	OMA-SUP-XSD_rest_messaging-V1_0-20100427-C	XML schema for ParlayREST – MMS Working file in Schema directory: file: rest_mms-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>
[REST_SUP_Payment]	OMA-SUP-XSD_rest_payment-V1_0-20100427-C	XML schema for ParlayREST – Payment Working file in Schema directory: file: rest_payment-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>
[REST_SUP_Location]	OMA-SUP-XSD_rest_terminallocation-V1_0-20100427-C	XML schema for ParlayREST – Terminal Location Working file in Schema directory: file: rest_location-v1_0.xsd path: <a href="http://www.openmobilealliance.org/tech/profiles/">http://www.openmobilealliance.org/tech/profiles/</a>
[REST_WP]	OMA-WP-Guidelines_for_ParlayREST_API_specifications-20100427-C	White Paper on Guidelines for ParlayREST API specifications

**Table 1: Listing of Documents in ParlayREST Enabler**



## 6. OMNA Considerations

The ParlayREST enabler introduces the following namespaces in the “rest” domain.

Note that in order to maintain compatibility between minor versions of the same major version, only the major version is reflected in the namespace identifier. Further note that subsequent minor versions of the same XML schema (e.g. 1.1) will be registered against the same namespace identifier.

Description	Registered URN	Schema Links
Common part	urn:oma:xml:rest:common:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_common-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_common-v1_0.xsd</a>
SMS interface	urn:oma:xml:rest:sms:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_sms-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_sms-v1_0.xsd</a>
MMS interface	urn:oma:xml:rest:mms:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_mms-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_mms-v1_0.xsd</a>
Payment interface	urn:oma:xml:rest:payment:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_payment-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_payment-v1_0.xsd</a>
Terminal Location interface	urn:oma:xml:rest:location:1	<a href="http://www.openmobilealliance.org/tech/profiles/rest_location-v1_0.xsd">http://www.openmobilealliance.org/tech/profiles/rest_location-v1_0.xsd</a>

**Table 2: OMNA Namespaces in the “rest” XML SchemaDomain**

## 7. 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.

## 8. ERDEF for ParlayREST

This section is normative.

Item	Feature / Application	Requirement
OMA-ERDEF-PARLAYREST-001-M	SMS REST Interface	[REST_TS_SMS]
OMA-ERDEF-PARLAYREST-002-M	MMS REST Interface	[REST_TS_MMS]
OMA-ERDEF-PARLAYREST-003-M	Payment REST Interface	[REST_TS_Payment]
OMA-ERDEF-PARLAYREST-004-M	Terminal Location REST Interface	[REST_TS_Location]

**Table 3: ERDEF for ParlayREST**

## 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

### A.2 Draft/Candidate Version 1.0 History

Document Identifier	Date	Sections	Description
Draft Versions: OMA-ERELED-ParlayREST-V1_0	10 Aug 2009	All	Initial draft baseline document
	19 Nov 2009	2.1, 4.1, 5, 6, 8, 9	Implement agreed CR: OMA-ARC-REST-2009-0062R01 <ul style="list-style-type: none"> <li>Reflect priority 1 list (SMS, MMS, Payment, Terminal Location)</li> </ul>
	2 Dec 2009	8	Implement agreed CR: OMA-ARC-REST-2009-0107
	16 Dec 2009	5	Document listing updated as per latest documents History table fixed
	04 Feb 2010	6	Implement OMA-ARC-REST-0046
	05 Mar 2010	All	Clerical updates in preparation for submissions for candidate approval
	11 Mar 2010	2	Clerical update following the March 11 REST Walk-through CC
	30 Mar 2010	5	Document listing updated with latest documents
Candidate Version: OMA-ERELED-ParlayREST-V1_0	27 Apr 2010	All	Status changed to Candidate by TP: OMA-TP-2010-0186- INP_ParlayREST_V1_0_ERP_for_Candidate_Approval