

## LIAISON STATEMENT

Title: Liaison about IETF activity on JSON Schema  Public  Confidential LS<sup>1</sup>  
Date: 21 Feb 2014  
To: Internet Engineering Task Force (IETF)  
Source: Technical Plenary of the Open Mobile Alliance  
Send Replies to: [OMA-LIAISON@mail.openmobilealliance.org](mailto:OMA-LIAISON@mail.openmobilealliance.org)  
Contact(s): Salvatore Scarpina, Telecom Italia S.p.A., [salvatore.scarpina@telecomitalia.it](mailto:salvatore.scarpina@telecomitalia.it)

### 1 Overview

During Working Groups supervision, OMA Technical Plenary (TP) identified the JSON Schema as potential topic of interest for several currently running activities; the Device Management Protocol v2.0 [1], recently completed by OMA Device Management (DM) Working Group (WG), is the first example. Another example is Open Connection Manager API (OpenCMAPI) [3] v1.0 already released, and v1.1 that is on working.

So the support of JSON format is mandated in several OMA technical specifications, with normative reference to RFC 4627 "The application/json Media Type for JavaScript Object Notation (JSON)" [3].

In order to avoid interoperability problem, the OMA TP has recognized the need to specify the data structure, and the Internet-Draft "JSON Schema: core definitions and terminology" [4] was identified as a suitable tool for achieving the goal to have a formal (which is good for a standard specification) and usable (thanks to a number of available programming libraries) representation of data structure.

### 2 Proposal

The OMA TP recognize that "JSON Schema: core definitions and terminology" [4] is an Internet-Drafts and they understands that Internet-Drafts "...are tentative documents", "...are automatically removed from the online directories after six months" and "...are most definitely not standards or even specifications" [5]; moreover, "Under no circumstances should an Internet Draft be referenced by any paper, report, or Request-for-Proposal, nor should a vendor claim compliance with an Internet Draft." [5]

In addition, OMA "Referencing Policy and Guidelines" [6] states that "...Normative references in OMA approved Specifications should be made to stable documents (as considered stable in the referenced organization)."

However, the JSON Schema proposal seems to be able to accomplish the requisites needed for a formal JSON data structure specification, and OMA activities may benefit from a stable standardization of related specification.

### 3 Requested Action(s)

OMA TP kindly request to IETF to provide any valuable information about the JSON Schema proposal and any future interest or plan of IETF about the publication of a standard on this topic.

<sup>1</sup> If the "Confidential LS" box is selected, this liaison statement is intended to be Confidential per agreement by OMA and the addressed organization. Neither side should make this communication available to non-members.

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.

THIS DOCUMENT IS PROVIDED ON AN "AS IS" "AS AVAILABLE" AND "WITH ALL FAULTS" BASIS.

## 4 Conclusion

OMA TP thanks the IETF and looks forward to a closer cooperation.

- [1] [http://technical.openmobilealliance.org/Technical/release\\_program/dm\\_v2\\_0.aspx](http://technical.openmobilealliance.org/Technical/release_program/dm_v2_0.aspx)
- [2] [http://technical.openmobilealliance.org/Technical/release\\_program/OpenCMAPI\\_v1\\_0.aspx](http://technical.openmobilealliance.org/Technical/release_program/OpenCMAPI_v1_0.aspx)  
[http://technical.openmobilealliance.org/Technical/release\\_program/OpenCMAPI\\_v1\\_1.aspx](http://technical.openmobilealliance.org/Technical/release_program/OpenCMAPI_v1_1.aspx)
- [3] <http://www.ietf.org/rfc/rfc4627.txt>
- [4] <http://tools.ietf.org/html/draft-zyp-json-schema-04>
- [5] <http://www.ietf.org/rfc/rfc3160.txt>
- [6] [http://member.openmobilealliance.org/ftp/Public\\_documents/REL/Permanent\\_documents/OMA-ORG-ReferencingPolicy-V1\\_0-20110524-A.zip](http://member.openmobilealliance.org/ftp/Public_documents/REL/Permanent_documents/OMA-ORG-ReferencingPolicy-V1_0-20110524-A.zip)