



Liaison Statement	
Title/Subject:	Response to "Request for Comments on the oneM2M Home Appliance Information Model and Mapping"
Date:	31 January 2017
To:	oneM2M MAS/TP oneM2M_liaison@list.onem2m.org
Copy to:	
In response to:	TP-2016-0334R03_Liaison_to_OCF.pdf
Send replies to:	OCF TSC Chair, Mr. Wouter van der Beek, Cisco Systems staff@openconnectivity.org
List of attachments:	

1. Overview

Dear oneM2M Representatives,

OCF would like to thank oneM2M for the liaison statement in document TP-2016-0334R03_Liaison_to_OCF.pdf relating to the oneM2M data models.

OCF is currently evaluating the interoperability between OCF and oneM2M for the data models (i.e. devices, attributes and types), data representation design patterns (e.g. arrays, links, inheritance, hierarchical representations, resource mapping in oneM2M terminology) and logical processing (i.e. state machines, complex operations, protocol metadata equivalence, security). The initial phase will include a data model comparison and a high-level architecture design for interoperability utilizing the oneM2M IPE concept along with the OCF Bridge concept. This work is ongoing and the initial phase is expected to be completed sometime near mid-2017.

OCF will produce a spreadsheet containing an analysis of the OCF/oneM2M data models including a fundamental data type comparison, resource type comparison and device type comparison. This analysis will identify the differences in both directions (elements in both data models, elements in OCF only and elements in oneM2M only). OCF intends to provide this spreadsheet to oneM2M when it is available to be the basis of potential alignment of the data models or at least as a foundation to understand what fidelity is possible across a translation boundary between the technologies.

OCF is also in the process of updating the Resource Type Specification in support of our OCF v1.0 release. OCF will provide the updated Resource Type Specification when available for external consumption.

OCF would like to bring to the attention of oneM2M the existence of the web site www.oneloTa.org which is an agnostic front-end representation for github repositories of data models for a participating organization. This tool is configured to allow each organization to submit a data model which will exist under whatever licensing regime that organization prefers. OCF encourages oneM2M to evaluate oneloTa to determine if it provides utility where oneM2M is willing to submit their data models for common usage across the technologies. OCF already provides the OCF data models at oneloTa and <https://github.com/openconnectivityfoundation> where oneM2M could evaluate those models prior to the official publication of the released versions in the Resource Type Specification.

OCF believes that interoperability at the data model layer is a relatively straightforward problem that can be solved through focused diligence of both organizations. Additional complexity may be encountered when evaluating the design patterns and potential significant complexity may be encountered when executing logical interoperability across the interworking boundary (e.g. when an OCF client needs to turn on an oneM2M light and vice-versa). These areas will have further scrutiny after the first phase of the interoperability focusing on the data models and architecture is complete.

As an organization, OCF believes that interoperability across all segments of the IoT ecosystem is required in order to move the entire industry forward and is eager to work with oneM2M to further our common pursuits.

Sincerely,



Wouter van de Beek

OCF Technical Steering Committee Chair

2. Requested Actions

There are no requested actions as this time.

3. Next scheduled OCF meetings

Group	Location	Date
Spring 2017 Members Meeting	Renaissance Hotel - Amsterdam, The Netherlands	March 6 – 10
Technology Face-to-Face	Bangkok, Thailand	May 9 – 12

About Open Connectivity Foundation

Billions of connected devices (devices, phones, computers and sensors) should be able to communicate with one another regardless of manufacturer, operating system, chipset or physical transport. The Open Connectivity Foundation (OCF) is creating a specification and sponsoring an open source project to make this possible. OCF will unlock the massive opportunity in the IoT market, accelerate industry innovation and help developers and companies create solutions that map to a single open specification. OCF will help ensure secure interoperability for consumers, business, and industry. The AllSeen Alliance now operates under the Open Connectivity Foundation. For more information, please visit www.openconnectivity.org.