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Information technology — Open Connectivity Foundation (OCF) Specification —

Part 6: Resource to AllJoyn interface mapping specification

Technologies de l'information — Spécification de la Fondation pour la connectivité ouverte (Fondation OCF) —

Partie 6: Spécification du mapping entre les ressources et l'interface AllJoyn

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This document was prepared by the Open Connectivity Foundation (OCF) (as the OCF Resource to AllJoyn Interface Mapping, Version 1.0.0) and drafted in accordance with its editorial rules. It was adopted, under the JTC 1 PAS procedure, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*.

A list of all parts in the ISO/IEC 30118 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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1 Scope

The OCF Resource to AllJoyn Interface Mapping specification ("this specification") provides detailed mapping information to provide equivalency between AllJoyn defined Interfaces and OCF defined Resources,

This specification provides mapping for Device Types (AllJoyn to/from OCF), identifies equivalent OCF Resources for both mandatory and optional AllJoyn interfaces and for each interface defines the detailed Property by Property mapping using OCF defined extensions to JSON schema to programmatically define the mappings.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

OCF Core Specification, *Open Interconnect Consortium Core Specification*, Version 1.0.

OCF Resource Type Specification, *Open Interconnect Consortium Resource Type Specification*, Version 1.0

OCF Smart Home Device Specification, *Open Interconnect Consortium Smart Home Device Specification*, Version 1.0

Derived Models for Interoperability between IoT Ecosystems, Stevens & Merriam, March 2016

https://www.iab.org/wp-content/IAB-uploads/2016/03/OCF-Derived-Models-for-Interoperability-Between-IoT-Ecosystems_v2-examples.pdf

IETF RFC 7159, *The JavaScript Object Notation (JSON) Data Interchange Format*, March 2014
http://www.ietf.org/rfc/rfc7159.txt

RAML, *Restful API modeling language,* Version 0.8.
https://github.com/raml-org/raml-spec/blob/master/versions/raml-08/raml-08.md

AllJoyn Common Data Model Interface Definitions
https://wiki.alljoyn.org/cdm

Swagger2.0, *Swagger RESTful API Documentation Specification*, Version 2.0
http://swagger.io/specification/

OCF Resource Type Definitions, *API Definition Language for OCF Resource Type Definitions,* Release OCF-v1.0.0
https://github.com/openconnectivityfoundation/derivedmodels