



T2TRG October 2021

One Data Model

iotschema.org

October 26, 2021



OneDM

- SDF is being developed in the asdf WG
- Consensus process developed and resolved for the adoption of models to be published under OneDM guidelines
- An initial set of models is being reviewed as candidates for provisional first publication
- Sensors and operational state/mode settings
- Challenges in normalizing the sensor design pattern: units vs. sensor types, optional data model features, modular with layered functionality
- Discussion on class, instance, and successive specializations of models
- Use cases developing for instance and protocol features to enable broader scope of models



iotschema.org

- Started with the scope of OneDM and expected output to be an extension of Schema.org
- iotschema.org follows the event-action-property meta-model and uses RDF
- However, device metadata are not well scoped content for Schema.org
- Working on re-alignment of iotschema.org with OneDM and other ontologies
- Become an RDF front-end and integration for other ontologies
- Meta-model extensions proposed for physical relation types