

# WISHI

July 30th (Thursday), 16:30–18:30 UTC  
(18:30–20:30 CEST, 09:30–11:30 PDT)

# Draft agenda

Start	Topic
1630Z	ASDF BOF report/outlook forward (~ 10)
1640Z	Azure DTDL presentation and discussion (bulk of the meeting)
~1800Z	Semantic technology landscape update (Milan M, ~ 10)
~1810Z	CoAP and RDF (Sebastian Käbisch, ~ 10)
~1820Z	Planning next meetings: Mid-September? Conflicts?

# ASDF BOF

Happened 2020-07-28, 1100–1240Z

Objective: Explain SDF; demonstrate **benefit**  
(Real products/product capabilities)

# Background: SDF

Semantic Definition Format (SDF)  
for Data and Interactions of Things

JSON-based format, optimized for tool interaction  
~ 200 models available in SDF format




# Background: Status OneDM

<https://onedm.org>

<https://github.com/one-data-model>

- SDF
- playground, experimental, unit-test
- one-data-model.github.io (site)
- various historic
- [ietf108](#) (charter proposal!)

**One Data Model**  
Solving the problem of lack of a common data model for IoT and IoT devices

OverviewSDFFAQAbout

## One Data Model

OneDM is solving the problem of lack of a common data model for IoT and IoT devices. Each IoT standards organization, and many IoT platform vendors, have created their own version of an IoT data model framework, each with a bespoke meta-model and representation language.

The first phase result is the Semantic Definition Format (SDF) and related tools and frameworks to manage the contribution of data models from diverse sources, and collection of these data models in a single place.

### one DM overview

one DM overview. An overview of the history and initial results of oneDM.

[Learn more](#)

### SDF syntax

Semantic Definition Format (SDF) is a description format to describe abstract data models. SDF conveys abstract meta-model for IoT device affordances, behavior, and context decoupled from network bindings and is protocol-agile.

[Learn more](#)

### FAQ

Frequently asked questions

[Learn more](#)

# ASDF BOF: Outcome

**Success;** hum in favor was "fortissimo"

This was a non-WG-forming BOF, so we weren't supposed to discuss the charter -- but we already did...

Next steps:

- Discuss charter on [asdf@ietf.org](mailto:asdf@ietf.org) mailing list; agree
- ship it to AD (Barry Leiba); wait a few weeks for WG creation
- meanwhile, act like a WG anyway; work on SDF 1.1

# DTD L

Digital Twins Definition Language

Brian Crawford, Elio Damaggio