Agenda

- [IoT Information-Model Standards Description](#) — Milan

- Documenting learnings on IoT data model design & versioning — kickstarting the activity (chairs)

- Digital Twins and IETF technologies [work meeting](#) follow-up — discuss next steps (define the elephant), Ari

- SDF future evolution, if we have time (supporting digital Twins, composition, mapping files, instance information, processing model…), Carsten

WISHI:
T2TRG Digital Twins work meeting follow-up

19.5.2022

Connection Profiles (DTC work) summary

- Modeling relationships
  - Nodes announce the profiles they can consume and serve
  - System of Systems looks up the model and creates instance in the context
  - Can be used to determine, for example, trustworthiness
- Early draft exists (not published yet)
- Discussed relationship with DNS-SD
  - Real-time vs static info, scalability issues, etc.

IETF/IRTF work summary

- "NMRG: network digital twins" & "SDF, OneDM, ASDF" intros
- DTDL – SDF conversion experiences & SDF for DTs
  - "80% maps easily" (e.g., sdfObjects and DTDL Interfaces)
  - SDF can be used with "Digital Twin languages" like DTDL
  - Opportunity to drive consolidation of language features across SDOs
  - "Relationship" information exists in DTDL, missing in SDF today: suggesting sdfRelation extension (draft to come)
  - Property graphs follow-up (MJK)?
- Building DTs with interoperable IoT techs
  - Experimenting with use of SDF and SenML for DT system; good match so far
  - Need models for south-bound (devices) and north-bound (knowledge)