

OSM UPDATE TO MSDO WORKSHOP

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- Architectural Principles
- OSM Scope & Mapping to ETSI NFV
- Information and Data Model Feedback for SDO Consideration

OSM ARCHITECTURAL PRINCIPLES





OSM SCOPE & MAPPING TO ETSI NFV MANO







Aligned with ETSI NFV ISG Phase 1 Information Models

- Data Modelled Language: YANG
- Format Encoding: YAML, JSON, XML
- Note: Data Model Translator included in the architecture to optionally decouple OSM internals from the user input formats.
- OSM open to supporting multiple input formats to align with industry directions

Analysis underway on ETSI NFV ISG Phase 2 Information Models

- Will work with the ETSI NFV ISG community for clarifications, bug fixes (sightings) and feature advances.
- Possible intersect with OSM Release THREE

NFV STANDARDS DEVELOPMENT & OPEN SOURCE

Open Source MANO

- Complex set of inter-dependent relationships
- Divergence a considerable risk
- Agile, iterative development model needed to mature models
- Fast feedback loops vital

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• Open Source offers a marvellous mechanism for fast learning & feedback



OSM committed to a per-release feedback loop with ETSI NFV ISG

MODELLING CHALLENGES





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Real risk of divergence at the model attribute level

SDO release cadences

Feedback loops from implementations

SDO modelling scope vs. scope needed to align attributes

• Attributions for KPIs, metrics, requirements, EPA, policies, etc.

Uncertainty on recommended Mix n Match (federated) options for SDOs

Packaging variations

Composition and Deployment models not sufficiently described

Run-Time vs Design Time definitions

Do all of this without curbing innovation!



MORE INFORMATION AT:

osm.etsi.org osm.etsi.org/wikipub



INFORMATION VS DATA MODELS





*Extracted from: https://tools.ietf.org/html/rfc3444

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