



APPLICABILITY OF YANG MODELS FOR ACTN

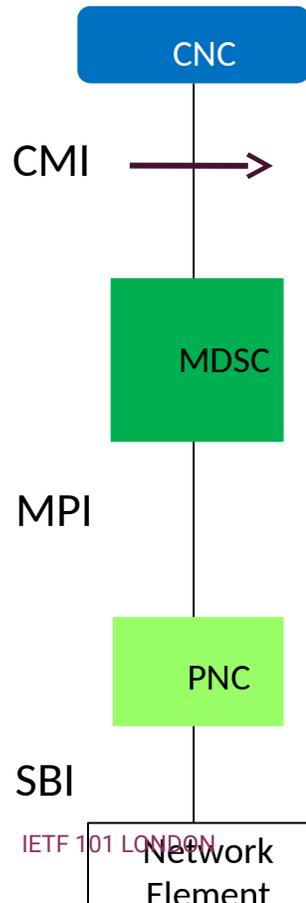
DRAFT-IETF-TEAS-ACTN-YANG-01

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STATUS AND MAIN CHANGES

- Update after WG adoption
- Motivation: How different types of YANG models are applicable to the ACTN.
- Main changes:
 - Clarify the abstraction/PM description, and fix previous issues;
 - Specify the detailed scenarios and explain which models are used;
 - Remove the device model description;
 - Link to more related drafts (ETH models, T-NBI applicability, etc.)

CMI AND CUSTOMER SERVICE MODEL



CMI: Serve for the network users

Example Scenario: VN Provisioning and DCI Interconnection

Function

Yang Model

VN Service Request

[ACTN-VN-YANG]

VN Computation Request

[ACTN-VN-YANG]

TE & Service Mapping

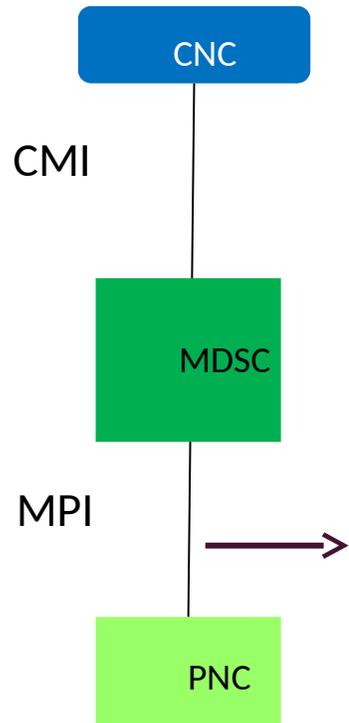
[TE-Service-Mapping]

VN Performance Monitoring Telemetry [ACTN-PM-Telemetry]

Topology Abstraction

[TE-topology]

MPI AND NETWORK CONFIGURATION MODEL



MPI: Focused on Network Configuration and Inter-op

Example Scenario: Multi-domain Topology Abstraction and Connection Provisioning

Function	Yang Model

Configuration Scheduling	[Schedule]
Path computation	[PATH_COMPUTATION-API]
Tunnel/LSP Provisioning	[TE-Tunnel]
Topology Abstraction	[TE-topology]
Client Signal Description	[Client-signal]
Service Provisioning	TBD*
----- TECHNOLOGY SPECIFIC -----	
OTN Topology Abstraction	[OTN-Topo]
WSON Topology Abstraction	[WSON-Topo]
Flexi-grid Topology Abstraction	[Flexigrid-Topo]
ODU Tunnel Model	[ODU-Tunnel]
WSON TE Tunnel Model	[WSON-Tunnel]
Flexi-grid Tunnel Model	[Flexigrid-Tunnel]

SUMMARY & NEXT STEPS

- This document says how to build ACTN interfaces via IETF YANG models;
- The related models are becoming Stable as well as this draft for fundamental functionalities; some open issues in advanced scenario;
- Comments?