APPLICABILITY OF YANG MODELS FOR ACTN

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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: Focused on Network Configuration and Inter-op

Example Scenario: Multi-domain Topology Abstraction and Connection Provisioning

Function Yang Model

<table>
<thead>
<tr>
<th>Configuration Scheduling</th>
<th>[Schedule]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Path computation</td>
<td>[PATH_COMPUTATION-API]</td>
</tr>
<tr>
<td>Tunnel/LSP Provisioning</td>
<td>[TE-Tunnel]</td>
</tr>
<tr>
<td>Topology Abstraction</td>
<td>[TE-topology]</td>
</tr>
<tr>
<td><strong>Client Signal Description</strong></td>
<td>[Client-signal]</td>
</tr>
<tr>
<td>Service Provisioning</td>
<td>TBD*</td>
</tr>
</tbody>
</table>

---------- 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]
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?