APPLICABILITY OF YANG MODELS FOR ACTN

HTTPS://TOOLS.IETF.ORG/HTML/DRAFT-ZHANG-TEAS-ACTN-YANG-05

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RECAP – PURPOSE OF THE DRAFT

- Explains how the different types of YANG models defined in the Operations and Management Area and in the Routing Area are applicable to the ACTN framework.
- Shows how the ACTN architecture can be satisfied using classes of data model that have already been defined.
- Discusses the applicability of specific data models that are under development.
- Highlights where new data models may need to be developed.
UPDATE FOR THIS VERSION (05):

- Cleaned up all inconsistent text with other ACTN documents
- Deleted all duplicated figures/text with other ACTN documents
- Updated the mapping table for CMI/Customer Service Model

Function | Yang Model
---------------------------------------------
Transport Service Request | [Transport-Service-Model]
VN Service Request & Instantiation | [ACTN-VN-YANG]
VN Path Computation Request | [ACTN-VN-YANG]
VN Performance Monitoring Telemetry | [ACTN-PM-Telemetry]
Topology Abstraction | [TE-topology]
UPDATES FOR THIS VERSION (05):

- Updated the mapping table for MPI/Network Configuration Model

<table>
<thead>
<tr>
<th>Function</th>
<th>Yang Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration Scheduling</td>
<td>[Schedule]</td>
</tr>
<tr>
<td>Path computation</td>
<td>[PATH_COMPUTATION-API]</td>
</tr>
<tr>
<td>Path Provisioning</td>
<td>[TE-Tunnel]</td>
</tr>
<tr>
<td>Topology Abstraction</td>
<td>[TE-topology]</td>
</tr>
<tr>
<td>Tunnel PM Telemetry</td>
<td>[ACTN-PM-Telemetry]</td>
</tr>
</tbody>
</table>

--------- TECHNOLOGY SPECIFIC ---------
- OTN Topology Abstraction   [OTN-YANG]
- WSON Topology Abstraction  [WSON-YANG]
- Flexi-grid Topology Abstraction [Flexi-YANG]
- ODU Tunnel Model           [ODU-Tunnel]
- WSON TE Tunnel Model       [WSON-Tunnel]
- Flexi-grid Tunnel Model    [Flexigrid-Tunnel]
SUMMARY & NEXT STEPS

- Stable
- Main referenced drafts close to WG LC
- This is the document that says how to build ACTN interfaces
- Ready for WG adoption!
ACTN ABSTRACTION METHODS

HTTPS://TOOLS.IETF.ORG/HTML/DRAFT-LEE-TEAS-ACTN-ABSTRACTION-02

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UPDATES FOR THIS VERSION (02):

- Exported the basic definition of {black, grey, white} topology to ACTN framework document (per WG comment in Chicago)
- The document still has good content such as:
  - Abstraction Factors in ACTN Architecture (Section 2)
  - Build Method of Grey Topology (Section 3)
    - Automatic generation of abstract topology by configuration
    - On-demand generation of supplementary topology via path compute request/reply
  - Protocol/Data Model Requirements (Section 4)
- Thus, to keep this document as an independent document makes sense!
SUMMARY AND NEXT STEPS

- @IETF98 the Next Steps slides recited:
  - Homework done.
  - Draft Stable.
  - Ready for WG adoption

Next Steps

- Many folks shared the usefulness of this draft in the last meeting.
- While we will refine and mature the draft, the authors want to ask for WG adoption.
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