

APPLICABILITY OF YANG MODELS FOR ACTN

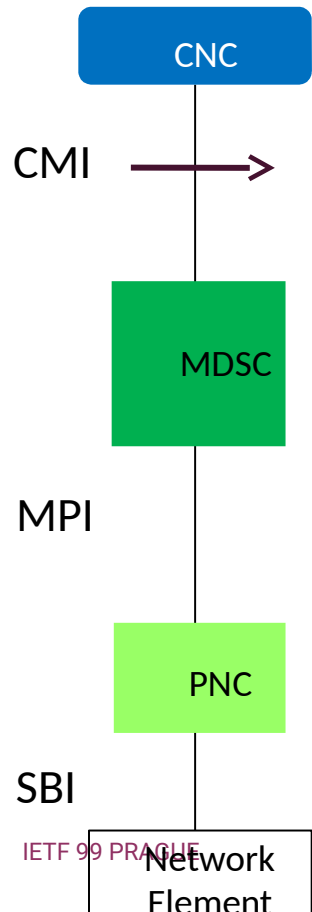
[HTTPS://TOOLS.IETF.ORG/HTML/DRAFT-ZHANG-TEAS-ACTN-YANG-05](https://tools.ietf.org/html/draft-zhang-teas-actn-yang-05)

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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.

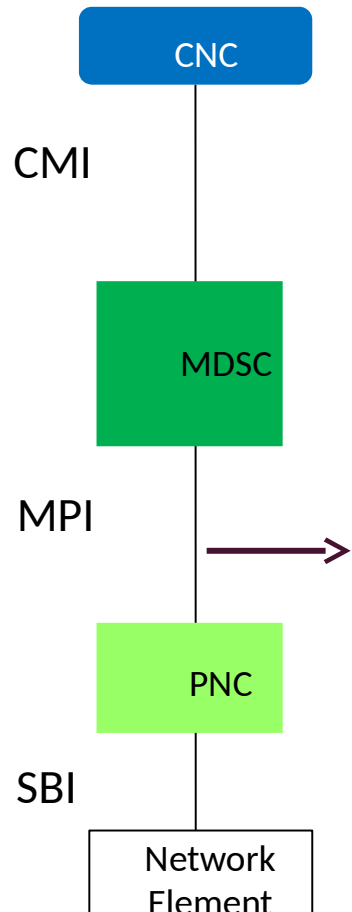
UPDATES FOR THIS VERSION (05):



- 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

Function	Yang Model

Configuration Scheduling	[Schedule]
Path computation	[PATH_COMPUTATION-API]
Path Provisioning	[TE-Tunnel]
Topology Abstraction	[TE-topology]
Tunnel PM Telemetry	[ACTN-PM-Telemetry]
----- 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](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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