Applicability of YANG models for ACTN

<draft-zhang-teas-actn-yang-03>

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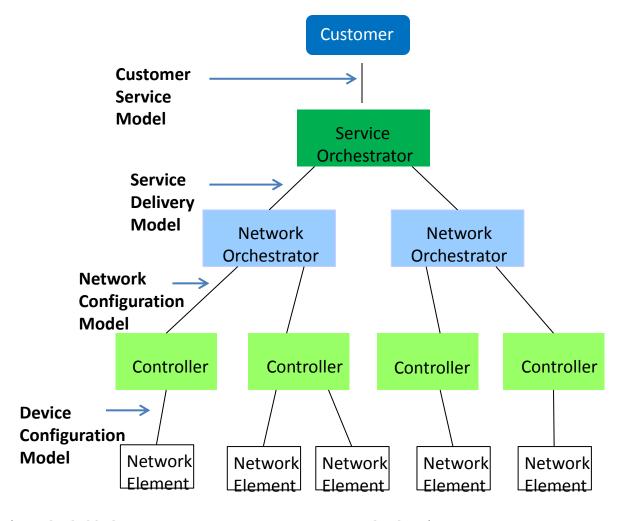
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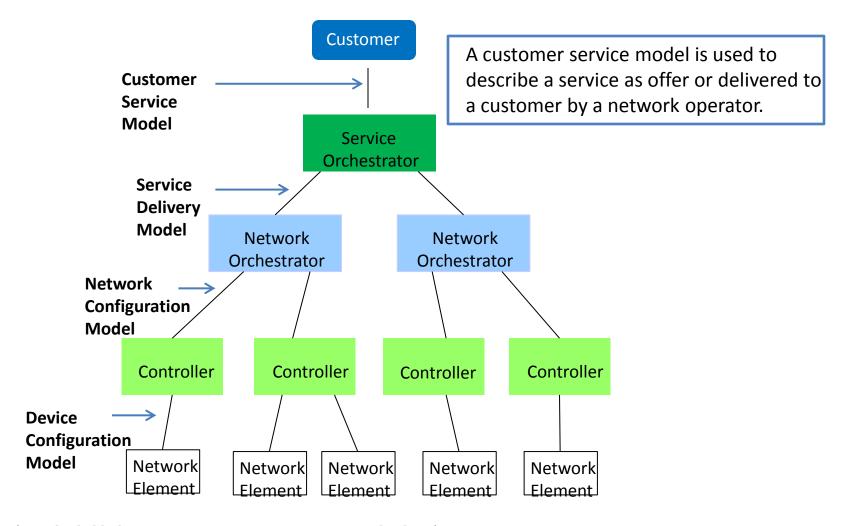
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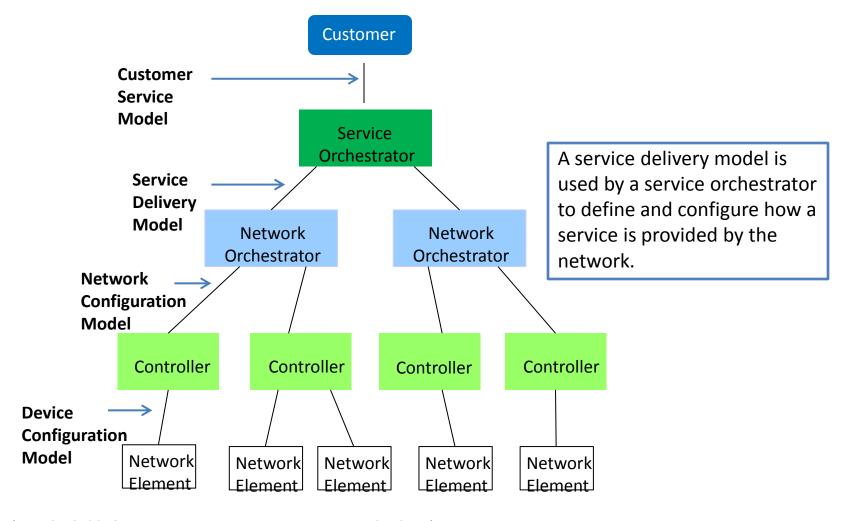
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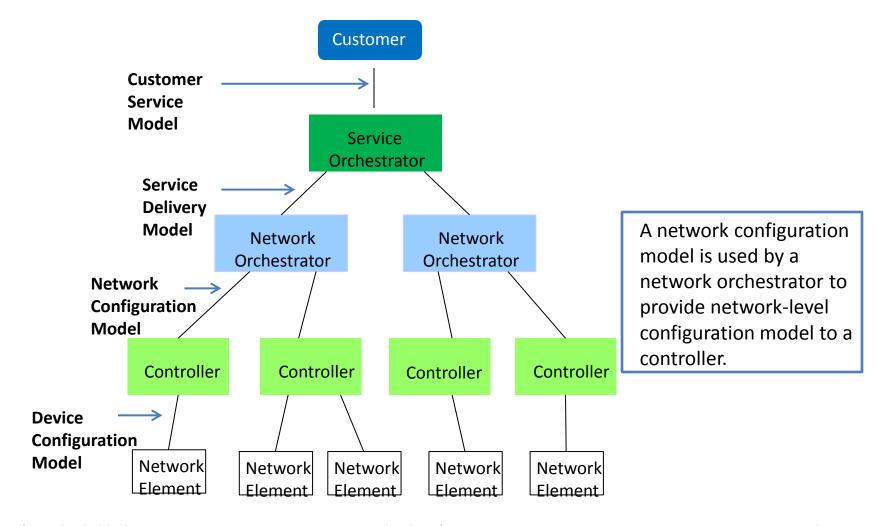
Purpose of the draft

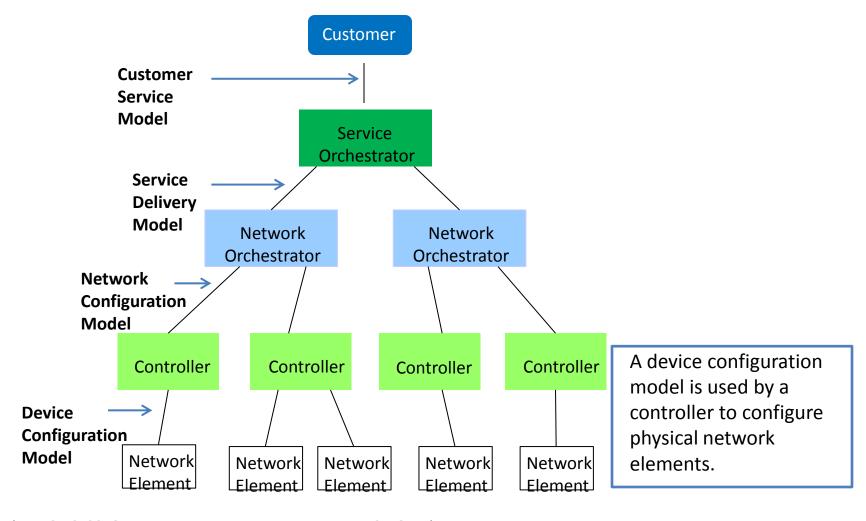
- Explains how the different types of YANG models defined in the Operations and Management Area and in the Routing Area are applicable to the ACTN framework.
- Shows how the ACTN architecture can be satisfied using classes of data model that have already been defined
- Discusses the applicability of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



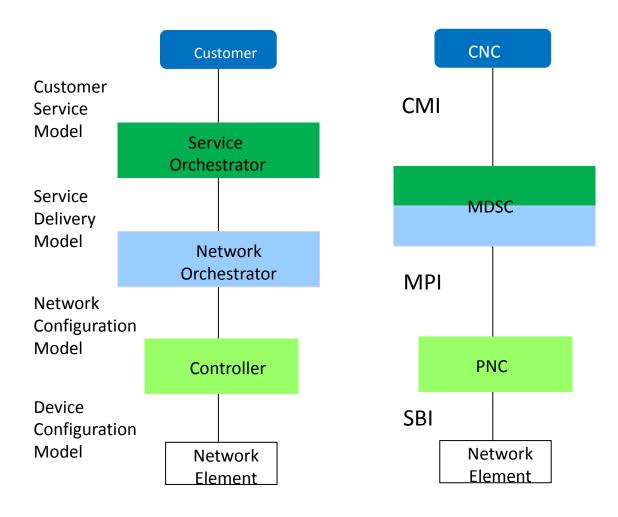




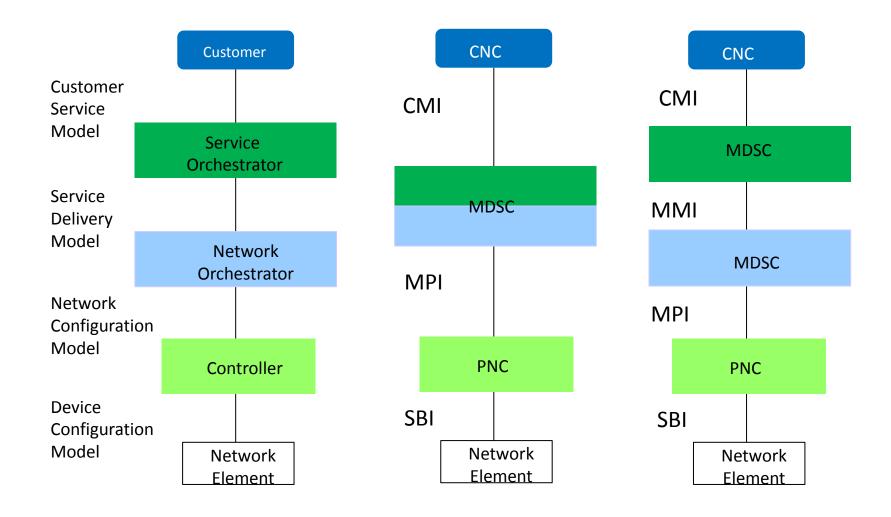




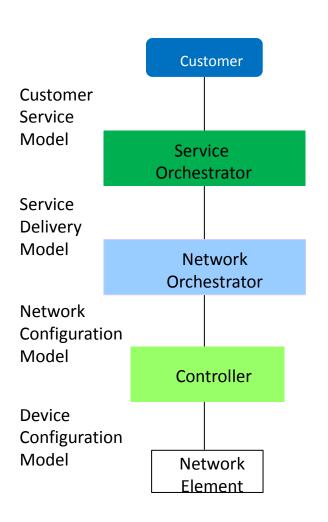
ACTN and Service Model Mapping

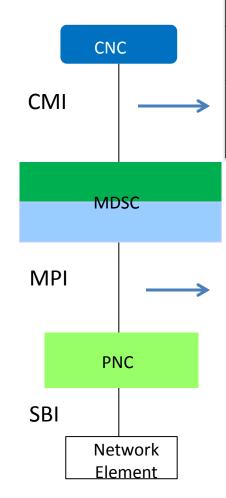


ACTN and Service Model Mapping



ACTN related YANG drafts





Functions	IETF Draft
Transport Service Request	[Transport- Service]
VN/VTS Service Request VN Compute	[PATH-COMP-API] [ACTN-VN-YANG]

Functions	IETF Draft
Configuration Scheduling	[Schedule]
Path computation	[PATH_COMPUTAT ION-API]
Tunnel Provisioning	[TE-Tunnel] [OTN-Tunnel]
Topology Abstraction	[TE-Topology]
Tech-specific Topology Abstraction	[WSON-YANG] [Layer 1 YANG] [Flexi-grid YANG]

Next Steps

- Keep updating with development of various YANG models
 - Telemetry
 - Policy
 - Different kinds of service request model
 - Improve with other specific network scenarios ACTN applicability example (e.g. IP/Optical integration)
- Use as a guideline to understand Yang model mapping to ACTN scenarios.
- Is this effort useful?