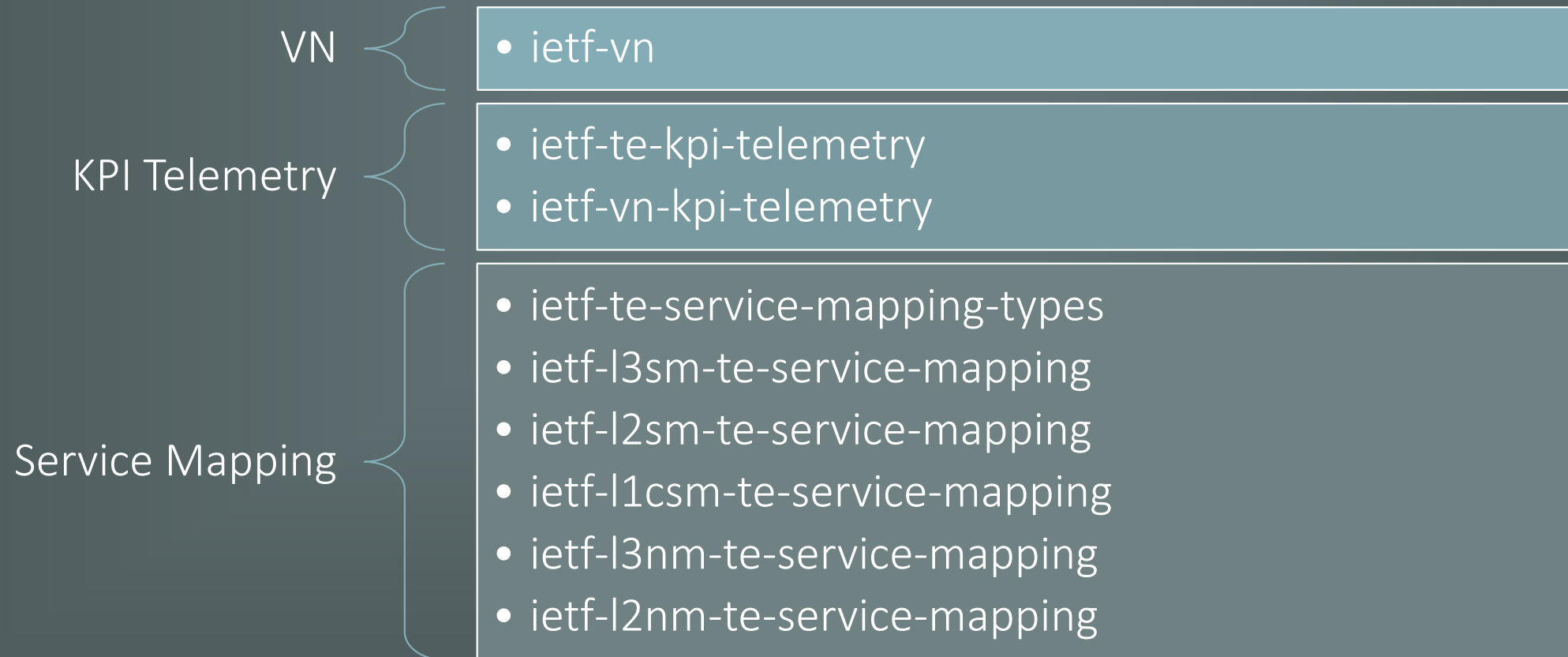


ACTN/VN YANG Models

draft-ietf-teas-actn-vn-yang-10
draft-ietf-teas-actn-pm-telemetry-autonomics-04
draft-ietf-teas-te-service-mapping-yang-05

Dhruv Dhody, Young Lee, Daniele Ceccarelli, Igor Bryskin, Bin Yeong Yoon,
Satish Karunanithi, Ricard Vilalta, Daniel King, Giuseppe Fioccola, Qin Wu,
Jeff Tantsura

YANG model overview

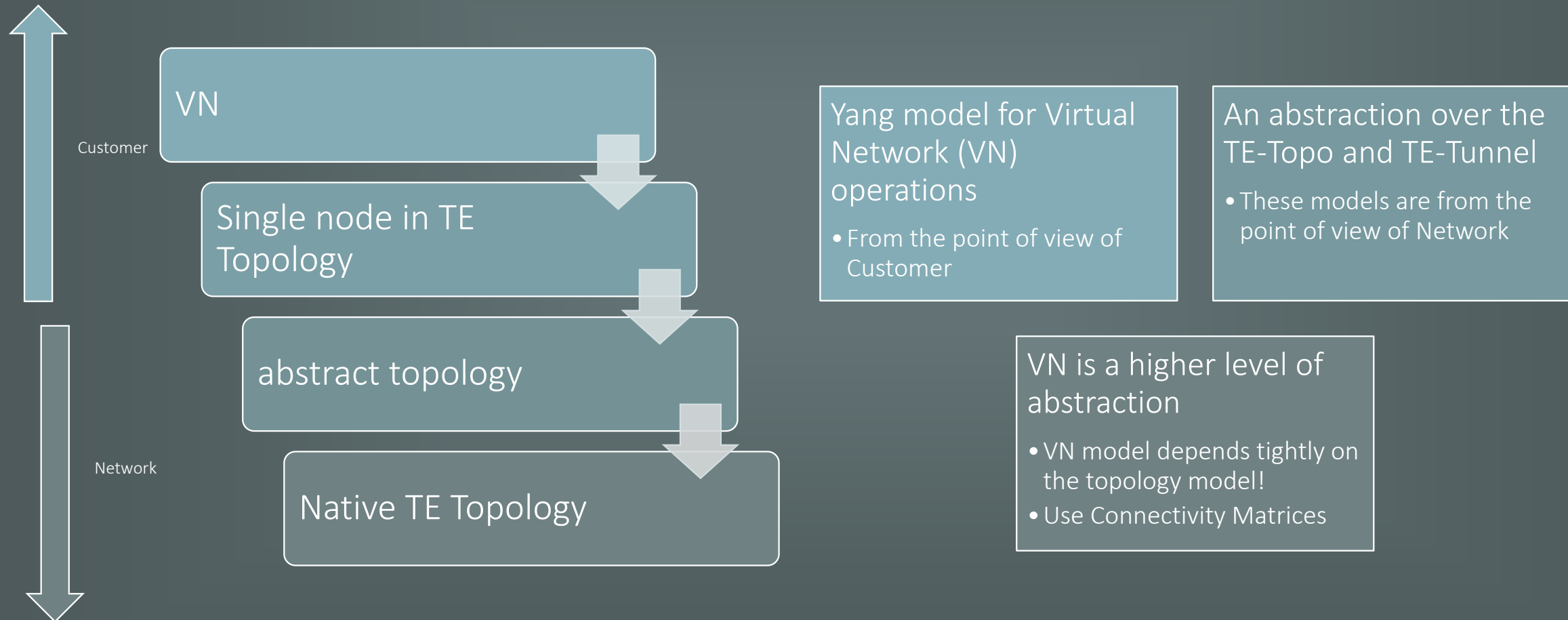


VN YANG

draft-ietf-teas-actn-vn-yang-10

ietf-vn

VN Yang



Recent Changes

- Suggested changes from Kenichi Ogaki incorporated for VN-Compute RPC
- Allow VN-Compute RPC to be used independently to get VN result in a single call
 - by “optionally” including the existing groupings in VN-Compute
 - uses te-types:generic-path-constraints
 - uses te-types:generic-path-optimization
 - they are included at VN as well as VN-member level

Pending Changes

- Add figure for VN Compute
 - Requested by Kenichi
- Some editorial comments are pending
 - From Tom Petch
- Lets get 'early' YANG doctor review!

KPI Telemetry Yang

draft-ietf-teas-actn-pm-telemetry-autonomics-04

ietf-te-kpi-telemetry

ietf-vn-kpi-telemetry

YANG models for VN/TE Telemetry & Network Autonomics

- YANG data models that support: Performance Monitoring (PM) Telemetry and scaling intent mechanism for TE-Tunnels and VNs to allow customers to subscribe to certain KPI PM.
 - ietf-te-kpi-telemetry
 - ietf-vn-te-kpi-telemetry
- Customer to subscribe and monitor KPI of interest on a particular TE tunnel or a VN.
- Customer could also program autonomic scaling intent

Recent Changes

- YANG Module cleanup
 - References Updated
- VN Level performance metric details
 - Added description for how to compute the metric value at the VN Level
 - Max of the VN-Members

TE Service mapping YANG

draft-ietf-teas-te-service-mapping-yang-05

[ietf-te-service-mapping-types](#)

[ietf-l3sm-te-service-mapping](#)

[ietf-l2sm-te-service-mapping](#)

[ietf-l1csm-te-service-mapping](#)

[ietf-l3nm-te-service-mapping](#)

[ietf-l2nm-te-service-mapping](#)

TE Service Mapping Model

- The role of TE-service Mapping model is to create a mapping relationship between
 - Services
 - L3SM, L2SM, L1CSM, etc.
 - Or, Network
 - L3NM, L2NM, with
 - TE topo, TE tunnel, or VN
- This mapping facilitates a seamless service operation with underlay-TE network visibility and control
- Allow monitoring and diagnostics on how the service request are mapped to underlying TE resources
- Support for various map-types

Recent Changes

- In the last update,
 - support for L3NM and L2NM was added
 - support for TE Mapping template and SR Policy was added
- In this update,
 - comments from Kenichi incorporated for 1 VPN to N VNs
 - allow mapping of a L3SM model to more than one VN
 - Changed to VN-List in the YANG
 - YANG Update
 - XPATH fixes

Pending Changes

- Mapping between L3SM Sites to VNAP
 - It is a mistake to map to AP
- Request from Kenichi to augment the custom qos-profile as well

```
augment "/l3vpn-svc:l3vpn-svc/l3vpn-svc:sites/l3vpn-svc:site"  
  + "/l3vpn-svc:service/l3vpn-svc:qos/l3vpn-svc:qos-profile"  
  + "/l3vpn-svc:qos-profile/l3vpn-svc:custom"  
  + "/l3vpn-svc:classes/l3vpn-svc:class" {  
  description  
    "Augment of class with VNAP reference for the custom qos-profile";  
  uses tsm-types:te-endpoint-ref-vnap;  
}
```

```
augment  
  "/l3vpn-svc:l3vpn-svc/l3vpn-svc:sites/l3vpn-svc:site"  
+ "/l3vpn-svc:site-network-accesses/l3vpn-svc:site-network-access"  
+ "/l3vpn-svc:service/l3vpn-svc:qos/l3vpn-svc:qos-profile"  
+ "/l3vpn-svc:qos-profile/l3vpn-svc:custom"  
+ "/l3vpn-svc:classes/l3vpn-svc:class" {  
  description  
    "Augment of class with VNAP reference for the custom qos-profile";  
  uses tsm-types:te-endpoint-ref-vnap;  
}
```

Thank You!