

# **YANG Models for the Northbound Interface of a Transport Network Controller: Requirements, Functions, and a List of YANG Models**

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draft-zhang-ccamp-transport-ctrlnorth-yang-00.txt

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# Problem Statement

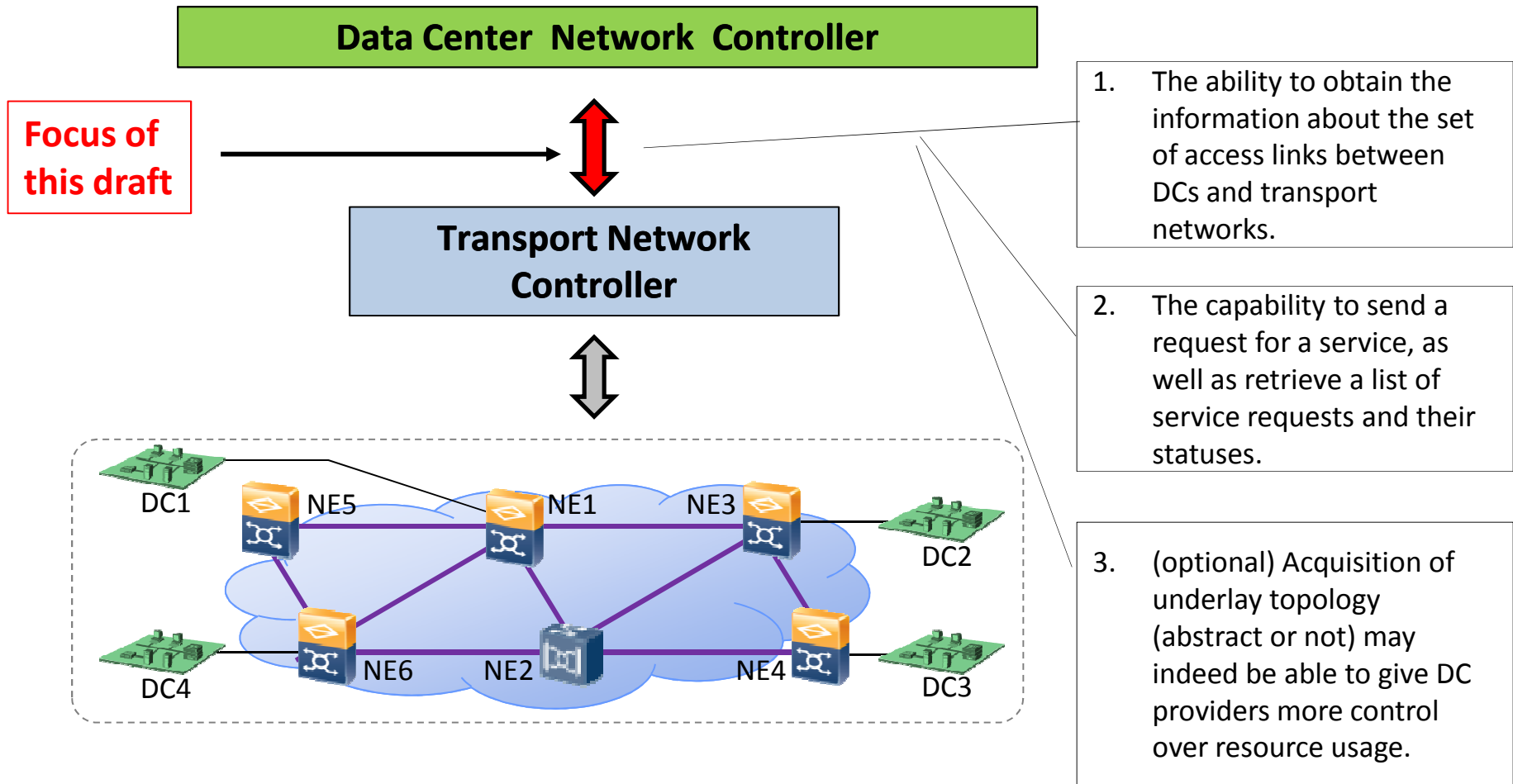
- Transport networks
  - Synchronous Optical Networking (SONET) / Synchronous Digital Hierarchy (SDH);
  - Optical Transport Network (OTN): usually referred as ODU(electronic layer), OCh/Lambda layer ;
- **Operators' requirements:** Manage/control multi-vendor transport networks and fast service innovations:

Option A: Open devices?

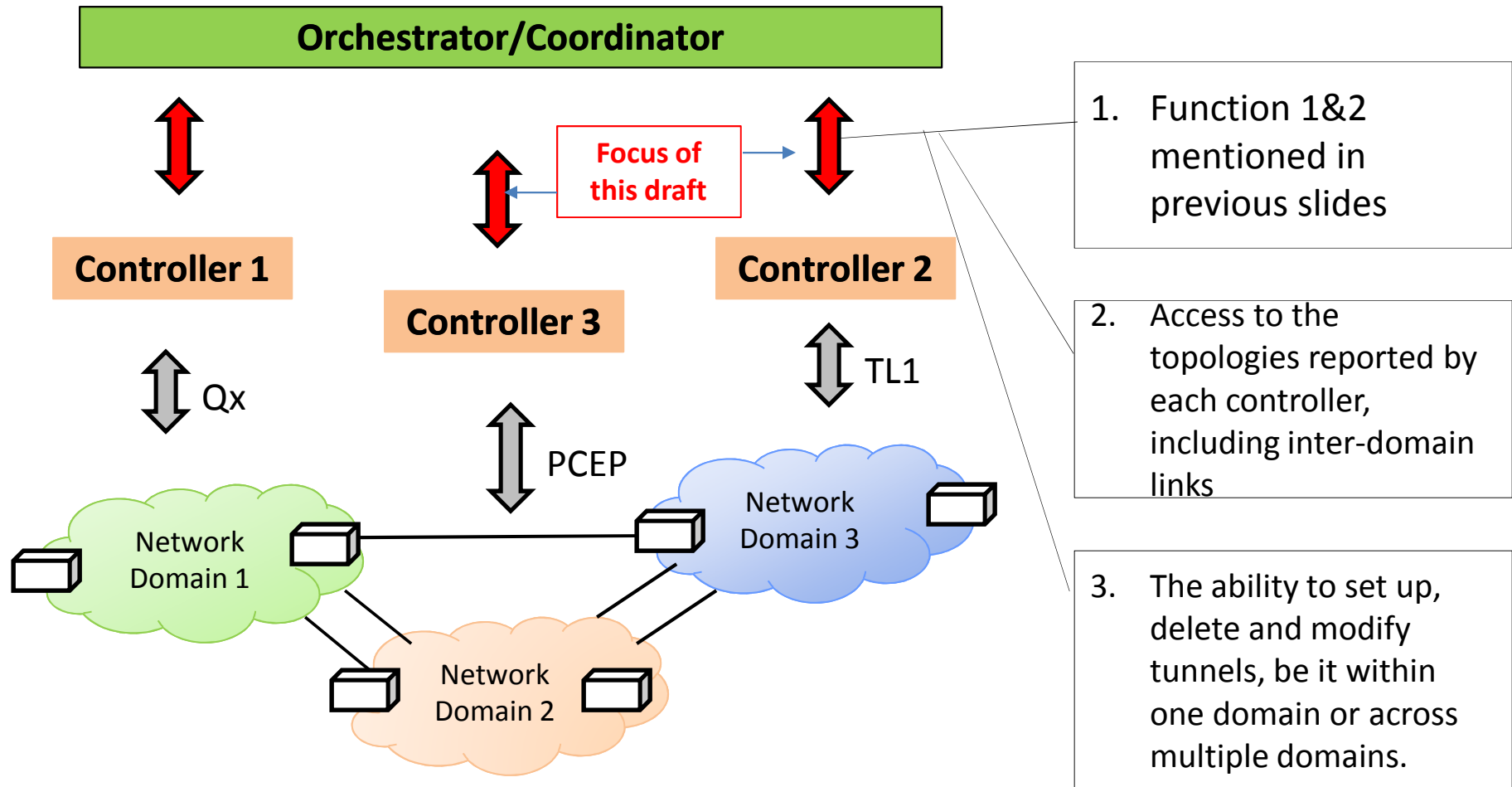
**OR**

Option B: Open via a layer of abstraction by controllers?

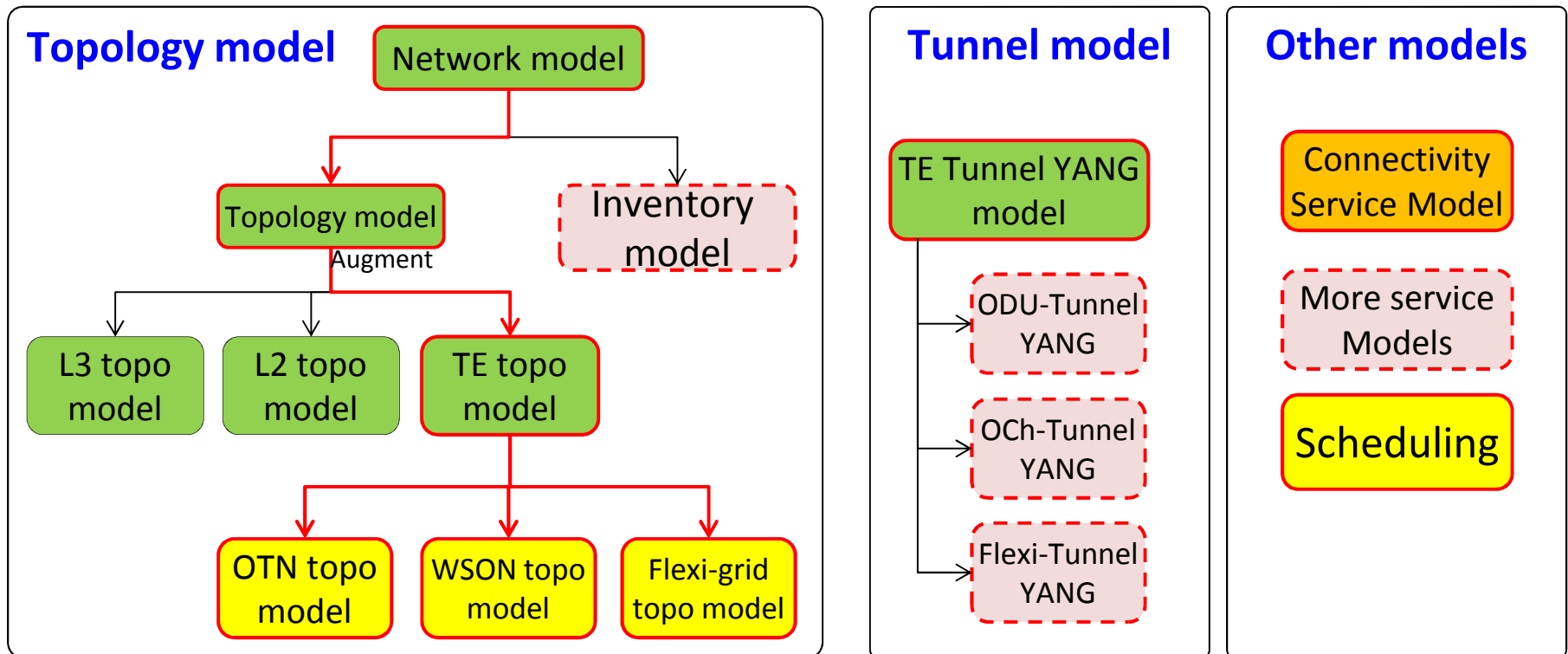
# Use Case 1



# Use Case 2



# The List of YANG Models: Overview



WG

ID

In this draft

Missing

# Discussions and Next Step

- Comments?
- Any form of contributions to this work are welcome:
  - Collaborations;
  - Providing requirements;
  - Providing use cases;
  - Working on the missing YANG models.