IETF Network Slice YANG Data Model

draft-liu-teas-transport-network-slice-yang-04

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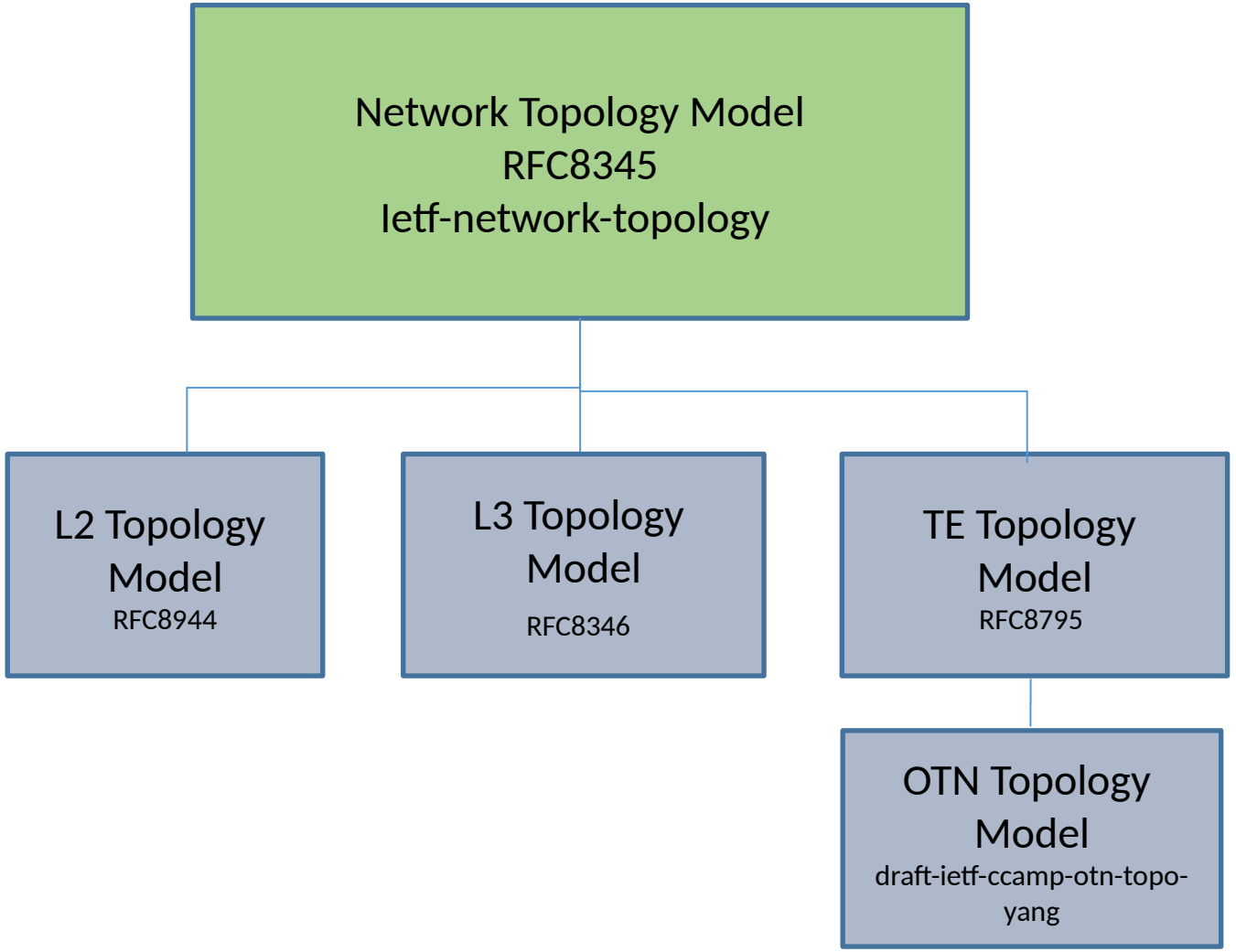
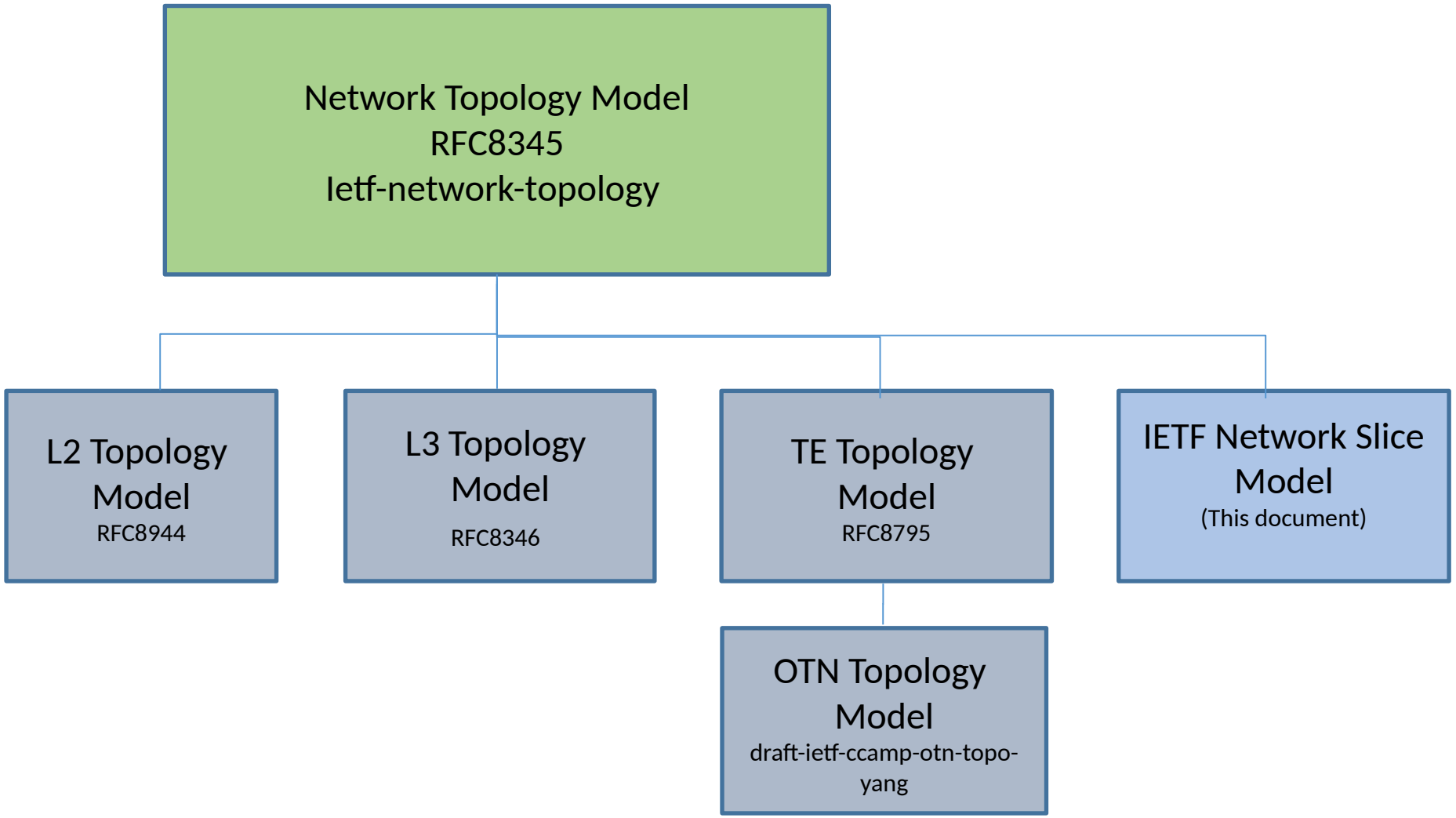
Existing Network Topology Models

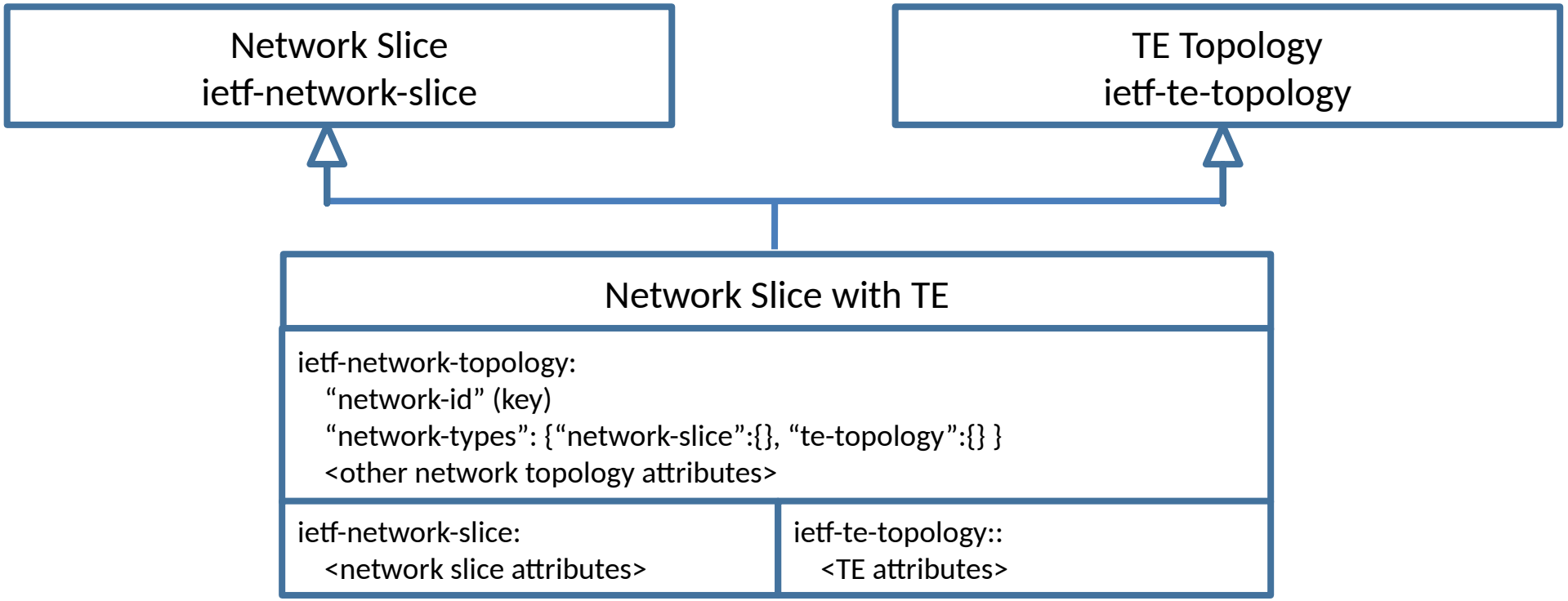


Augmentation for Network Slice



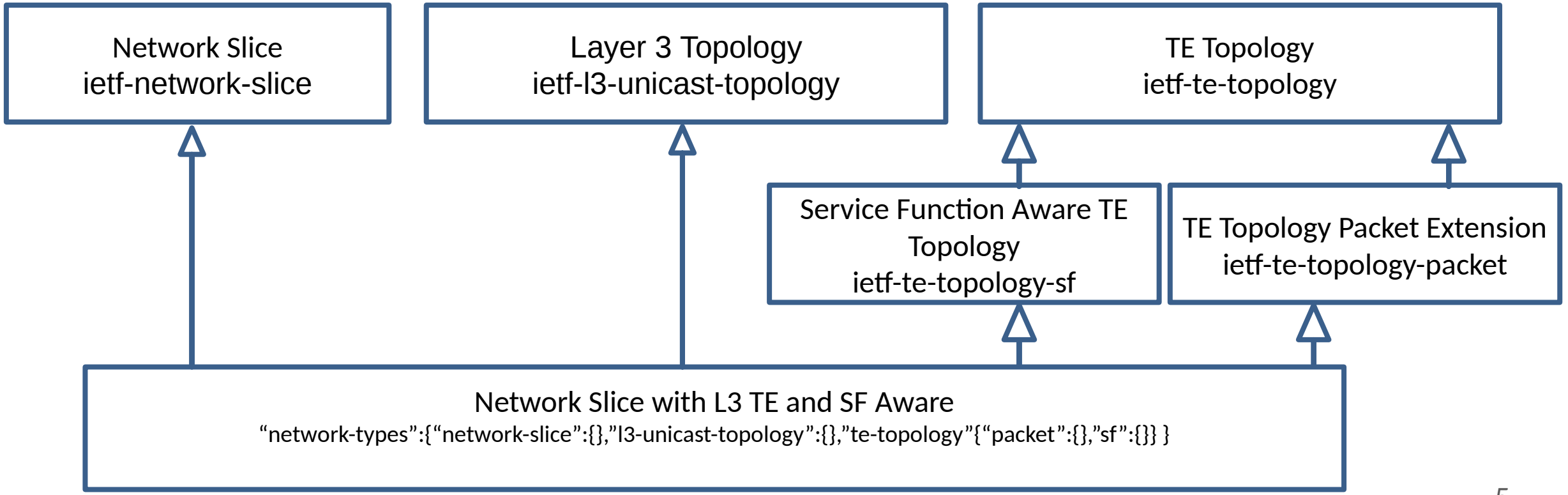
IETF Network Slice with TE

- Multiple inheritance:
  - Is both Network Slice topology and TE topology.
  - Uses multiple network types: “network-slice” and “te-topology”.



Network Slice with L3 TE and SF Aware

- For L3 packet use cases
  - ietf-te-topology-packet provides extensions for packet network.
  - ietf-l3-unicast-topology provides extensions for L3 network.
  - ietf-te-topology-sf supports network services and functions.



Updates Since Last Presentation

- Aligned to latest draft-ietf-teas-ietf-network-slices.
- Clarified augmentation relationship with other models.
- At least one implementation has been done
  - https://www.mdpi.com/2076-3417/11/13/6219

Next Steps

- Ready for Working Group Adoption.
- Further examine proper attributes to be included in this model.
- Welcome reviews and suggestions.