

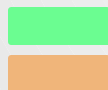
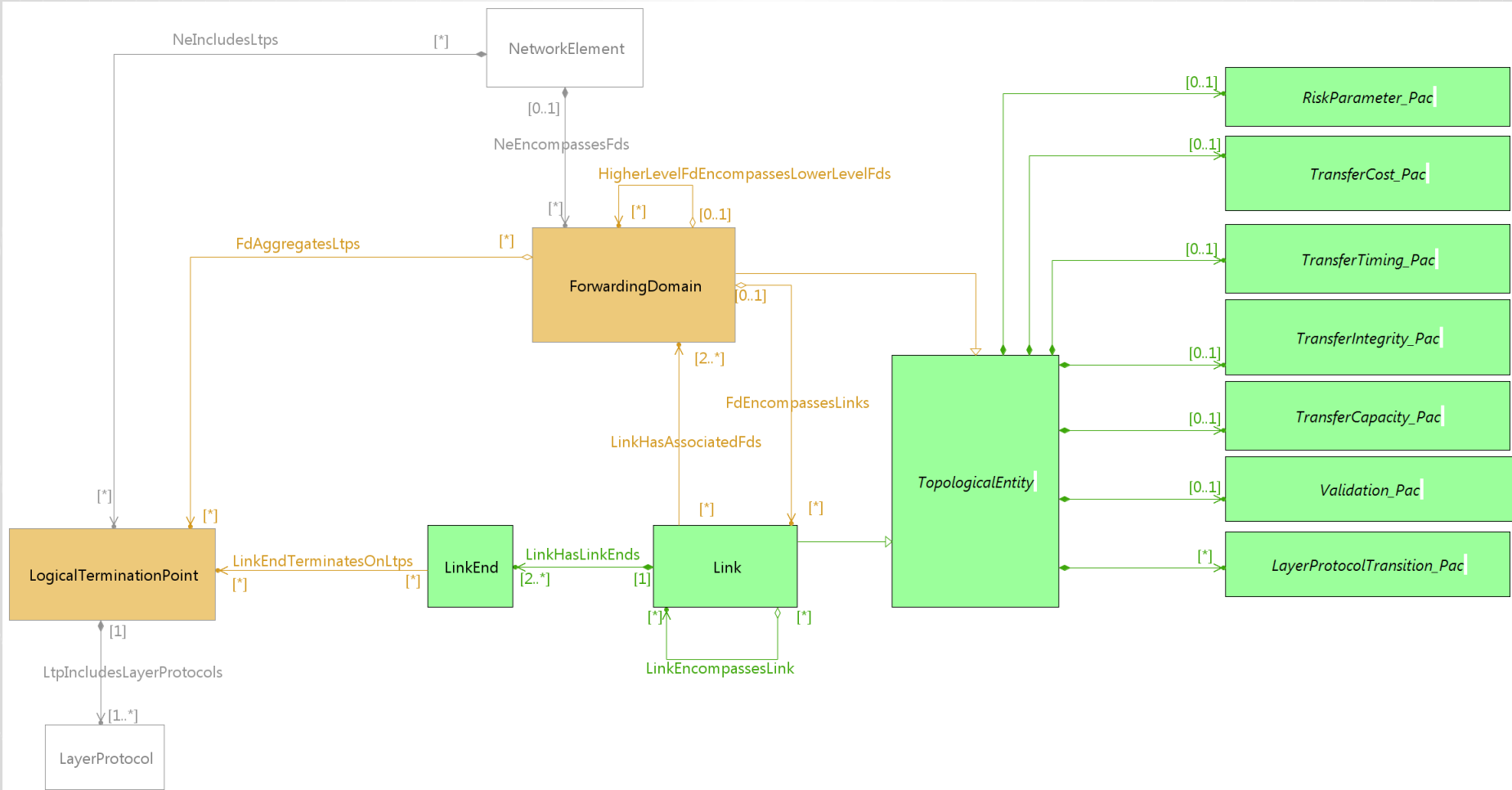
IETF 93

draft-lam-teas-usage-info-model-net-topology-01

Summary

- **Version 00 presented in IETF 92**
 - Provided introduction to an Information Model relevant to the data modeling work on Topology underway in the IETF, describing:
 - Relevant work under development outside of the IETF
 - How the Information Model topology subset can be utilized to assist in Data Model development
 - Doesn't suggest /attempt to drive IM development in the IETF
- **Updates in 01**
 - Replaced reference to previously draft Core Information Model liaised from ONF with published ONF TR-512 “ONF-CIM Core Model” (Base Document 1.0 + Model 1.0)
 - Provided an example of Topology model usage via translating the “Link” object classes to YANG (using the UML-YANG Mapping Guidelines in draft-mansfield-netmod-uml-to-yang)
 - Updated other (previously liaised) references to point to published documents

Core Information Model Topology Subset



YANG translation available in v01

YANG translation to be provided in next version

Next Steps

- Leverage Topology model to assist in ensuring the consistency and completeness of YANG data model for TE topologies solutions work
 - Complete the Core IM – Topology Subset translation into YANG
 - Examine /assess resultant derived YANG DM in context of existing drafts
 - Support work efforts of i2rs and teas for harmonizing YANG topology modules
- Engage on mailing list, using standard IETF process
 - Update draft-lam per feedback
 - Support enhancements of related YANG modules under development
- Aspire to be adopted as WG draft leading to an Informational RFC

References

- IETF drafts
 - draft-lam:
<https://tools.ietf.org/html/draft-lam-teas-usage-info-model-net-topology-01>
 - draft-betts:
<https://tools.ietf.org/html/draft-betts-netmod-framework-data-schema-uml-01>
 - draft-mansfield:
<https://datatracker.ietf.org/doc/draft-mansfield-netmod-uml-to-yang/>
- ONF Liaison (<https://datatracker.ietf.org/liaison/1406/>) re approval and public availability of:
 - ONF-CIM Core Model base document 1.0 + Model 1.0 (March 2015 | TR-512)
 - Common Information Model (CIM) Overview 1.0 (March 2015 | TR-513)
 - UML Modeling Guidelines 1.0 (March 2015 | TR-514)
 - Papyrus Guidelines 1.0 (March 2015 | TR-515)