

IETF 94

draft-lam-teas-usage-info-model-net-topology-02

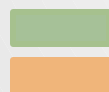
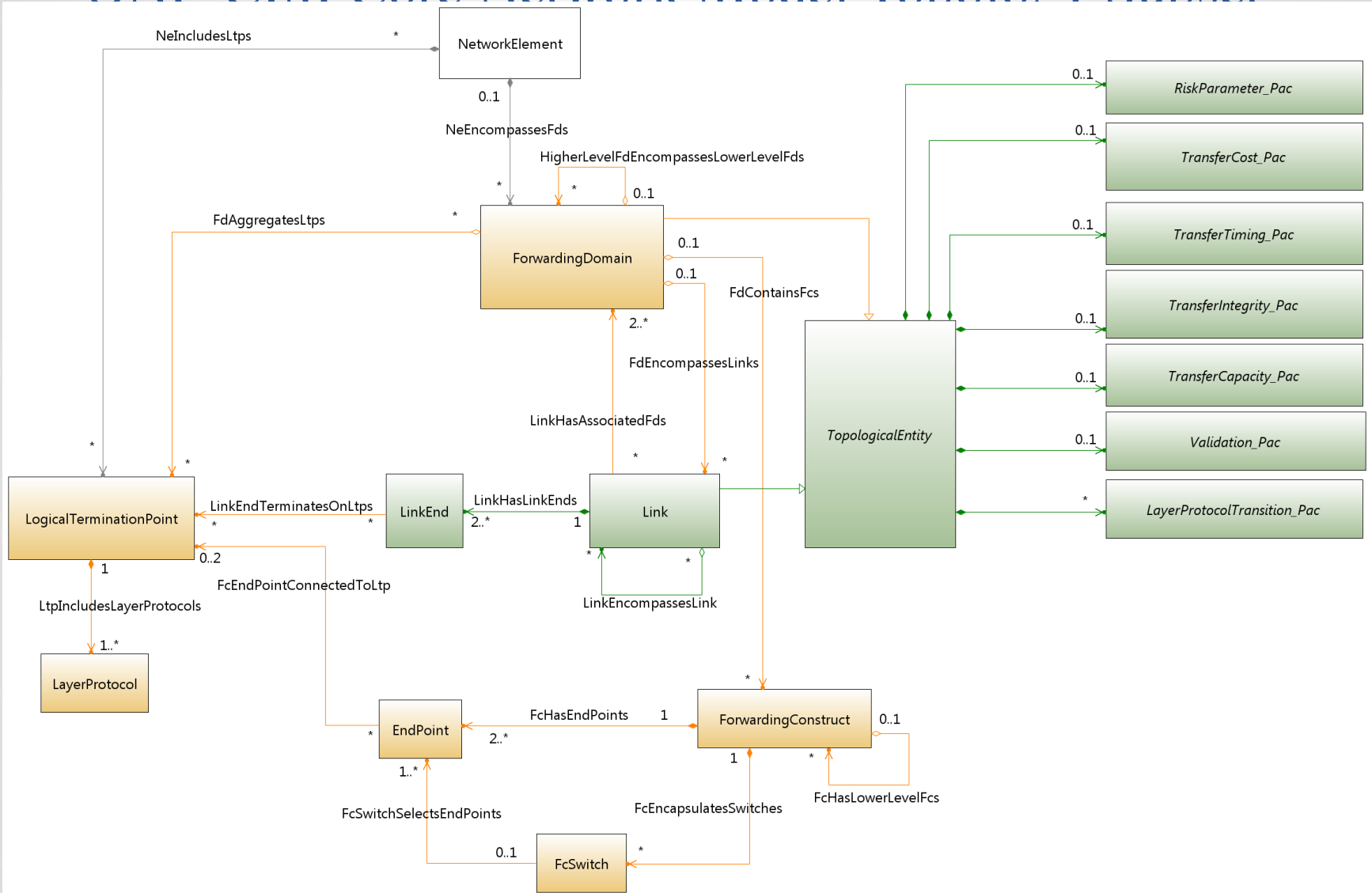
Update History

- Version 00 presented at 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 presented at IETF 93
 - 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

-02 Update Summary

- Updated Appendix A
 - Provides new version of the ONF-CIM CNM Topology model
 - V-01: ForwardingDomain, Link, LinkEnd
 - V-02 add: ForwardingConstruct, LogicalTerminationPoint, LayerProtocol
- Added Appendix B
 - Transport-API Topology Service IM is a purpose-specific IM, derived from the ONF-CIM CNM Topology model
 - Provides the ONF TAPI Topology YANG model

ONF-CIM Core Network Model Topology Subset



YANG translation available in v01



YANG translation available in v02

Next Steps

- Support work efforts of i2rs and teas for harmonizing YANG topology modules
- Update text in body of draft to align with Appendix A
- 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
 - Timeframe: IETF 95 for working group draft request

References

- IETF drafts
 - draft-lam: <https://tools.ietf.org/html/draft-lam-teas-usage-info-model-net-topology-02>
 - draft-betts: <https://tools.ietf.org/html/draft-betts-netmod-framework-data-schema-uml-02>
 - draft-mansfield: <https://tools.ietf.org/html/draft-mansfield-netmod-uml-to-yang-01>
- 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)