Summary

- The document provides guidelines for translating UML artifacts to YANG

- Changes since -00
  - Significant updates to the mapping tables for Object Classes, Attributes, Associations, Interfaces, Operations, Operations Parameters, and Notifications.
  - UML recursion information expanded and moved to a section called Mapping Patterns
  - Added information on meta-information about the support and condition of artifacts. This adds the ability to know if an artifact is: M - Mandatory, O - Optional, C - Conditional, CM - Conditional-Mandatory, or CO - Conditional-Optional.
Example Mapping

Object Class Mapping Table
Example Mapping Guidelines
Next Steps

• Seeking guidance from YANG experts
• Looking to resolve the question marks in the tables
• Looking to add guidance on when certain artifacts are used
• Support development of open source UML to YANG conversion tool
• Aspire to be adopted as WG draft leading to an Informational RFC
  – Timeframe: IETF 95 for requesting working group status
References

• IETF drafts

• 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)