ITU URN Management (updated on 18 November 2020)

Note: Revision marks shows the changes against the previous version

The ITU maintains a Uniform Resource Names (URN) document that provides the mechanism to ensure the resource identifiers are unique. This document provides the formatting guidelines for the URN hierarchy that is rooted at the base URN that was assigned by IANA.

The ITU General Secretariat has delegated the management of the assigned namespace to the ITU TSB. The ITU TSB will coordinate with the other sectors of the ITU to provide guidelines for the name of the ITU-Sector assignment. The guidelines for the hierarchy under each sector will be determined by the sector and managed and coordinated through the ITU TSB.

The overall syntax is:

urn:{ITU-NamespaceId}:{ITU-Sector}:{SectorResource}:{SectorResourceSpecificString}

The ITU-NamespaceId and ITU-Sector String

URN values used in the ITU use the Namespace ID (NID) value assigned to the ITU, which is:

itu

The ITU-Sector String identifies the ITU Sector that will manage the SectorResource. The only value defined is 't' for ITU Telecommunication Standardization Sector (ITU-T).

The SectorResource and SectorResourceSpecificString

For the ITU-T the SectorResource will indicate the type of document. The SectorResourceSpecificString depends on the SectorResource used.

Currently the only SectorResource defined is are:

rec

ex

The 'rec' SectorResource is used for the YANG modules defined in the main body or in an Annex of an ITU-T Recommendation, since currently it is the only normative document.

The 'ex' SectorResource is used for the YANG module examples defined in an Appendix of an ITU-T Recommendation or in other non-normative documents.

The syntax of the SectorResourceSpecificString for ITU-T Recommendations is:

urn:itu:t:rec:{ITU-T-RecommendationNumberRecommendationShortName}:{ITU-T-RecommendationSpecificString}

The first element under 'rec' is a short name representing the scope of the ITU-T Recommendation number.

The mapping between the ITU-T-RecommendationShortName and the ITU-T Recommendation number is provided by the ITU-T URN-management-mapping-table document.

Anytime a new ITU-T-RecommendationShortName is needed, it should be assigned and recorded by TSB in that document.

Under the ITU-T Recommendation numbershort name, the ITU-T-RecommendationSpecificString has following syntax:

{ITU-T-RecommendationType}:{ITU-T-RecommendationTypeIdentifier}

Currently the only ITU-T-RecommendationType defined is:

yang

The ITU-T-RecommendationTypeIdentifier for 'yang' is defined within the ITU-T recommendation and is shown below in the example as a YANG module identifier.

An example yang model URN for Ethernet Transport would take the form:

urn:itu:t:rec:eth-ne-oamg.8052.1:yang:{ITU-T-YangModuleIdentifier}

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