

## ITU URN Management

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 'rec' for ITU-T Recommendation since currently it is the only normative document.

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

```
urn:itu:t:rec:{ITU-T-RecommendationNumber}:{ITU-T-RecommendationSpecificString}
```

The first element under 'rec' is the ITU-T Recommendation number. Under the ITU-T Recommendation number, 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:g.8052.1:yang:{ITU-T-YangModuleIdentifier}
```