

YANGster guideline suggestions

Reference guidelines

Add this text to the module description statement, replacing XX with the appropriate Standard's designation.

- Unless otherwise indicated, all references in this document are to IEEE Std XX[as amended by IEEE Std XX].”

For reference statements:

- Use “Clause” before the clause number only if the clause number is a top-level clause. Otherwise just use the subclause number.
- For references that are for a different document than indicated in the module description, append “of IEEE Std XX”.
- Can deviate from the guidelines at editor’s discretion.

UML-like Diagrams description and guidelines

Currently the UML-Like diagrams available in IEEE 802.1 standards containing YANG do not necessarily match to the YANG trees or the UML diagrams that can be auto generated from the actual YANG modules.

- Types in the UML-Like diagrams are intended to match what is defined in the normative description of the managed objects. This does not match exactly what is used in either MIB or YANG in all cases.

- Explanatory text should be added as introduction to the clause containing the UML-like diagrams to explain the intent of the diagrams. It should be highlighted that the types used in the diagrams are meant to express the semantics of the objects and are not meant to provide the datatype used in the encoding of either MIB or YANG.

Suggested text: (augmenting text that already exists to describe the UML diagrams)

A UML representation of the management model is provided in the following subclauses. The structure of the UML representation shows the name of the object followed by a list of properties for the object. The properties indicate their type and accessibility. It should be noted that the type in the UML representation is meant to express the semantics of the property and is not meant to provide the datatype used in the encoding of either MIB or YANG. In the UML representation, a box with a white background represents information that comes from sources outside of the IEEE. A box with a gray background represents objects that are defined by an IEEE Standard.