

URN and OID

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Terminology

- URI: A Uniform Resource Identifier (URI) is a compact sequence of characters that identifies an abstract or physical resource [[RFC3986](#)]
- URN: Uniform Resource Name
 - Commonly used to define the namespace for YANG
- OID: Object Identifier
 - Commonly used to define the namespace for SNMP

IETF and IANA Base Documents

- IANA Considerations and IETF Protocol and Documentation Usage for IEEE 802 Parameters
 - <https://datatracker.ietf.org/doc/html/rfc7042>
- Uniform Resource Identifier (URI): Generic Syntax
 - <https://datatracker.ietf.org/doc/html/rfc3986>
 - <https://datatracker.ietf.org/doc/html/rfc8820>
- Uniform Resource Names (URNs)
 - <https://datatracker.ietf.org/doc/html/rfc8141>
- A URN Namespace of Object Identifiers
 - <https://datatracker.ietf.org/doc/html/rfc3061>
- URN Namespace for IEEE
 - <https://datatracker.ietf.org/doc/html/rfc8069>

IEEE Usage of URN and OID

- IEEE P802-REVc (Clause 10 is for OID, Clause 11 for URN)
 - <https://www.ieee802.org/1/files/private/802-REVc-drafts/d1/P802-REVc-d1.2.pdf>
- URN (Based on IEEE802d-2017)
 - <https://standards.ieee.org/wp-content/uploads/import/documents/tutorials/ieeeeurn.pdf>
- OID
 - <https://standards.ieee.org/wp-content/uploads/import/documents/tutorials/oid.pdf>

Updates needed

- **ieeurn.pdf**
 - The material here → <https://standards.ieee.org/wp-content/uploads/import/documents/tutorials/ieeurn.pdf> ;needs to be updated based on any changes found in
 - Clause 11 of 802-REVc
 - For example
 - 802-REVc doesn't mention the RA in Clause 11 any longer.
 - Suggestion
 - Editorial updates to the ieeurn.pdf file are needed
- **oid.pdf**
 - Material should be reviewed against Clause 10.
 - No changes/updates identified

Other Naming Information

- Assigned Numbers (Managed by WG Chair)
 - <https://1.ieee802.org/assigned-numbers/>
 - Latest: <https://ieee802.org/1/files/public/802-1-assigned-numbers/802-1-oid-allocations-2023-01-18-cor.xls>
- Module Naming Guidelines (from YANGsters)
 - <https://1.ieee802.org/yangsters/yangsters-guidelines/yang-module-naming-guidelines/>