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# Proposal IEEE 802 YANG SC

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IEEE 802.1 YANGsters Chair  
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# YANG SC Information for LMSC

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- Scope and Duties
  - Discussing common practice for YANG models supporting IEEE 802 protocols
    - Includes, but is not limited to, URN root, style, structure, tooling and process
  - Coordination with IETF, ITU-T, and BBF related to compatibility and usage of the IEEE 802 YANG modules
- Membership
  - Any 802 participant can attend and there are no members
  - The primary attendees are expected to be editors of existing IEEE 802 YANG projects, other experts interested in YANG are welcome
  - Policy on reciprocal attendance rights for 802 WGs is per home WG
- Deliverables
  - Status report documents presented to the 802 LMSC at plenary sessions
  - YANG SC meeting agendas, minutes
  - YANG SC website (utilize existing YANGsters site <https://1.ieee802.org/yangsters>)
- Voting in the YANG SC
  - The YANG SC works by consensus (as agreed by the chair)
- Parliamentary procedures for approval to move any deliverables to the Standards Committee for action
  - Any motions necessary are handled by the standards committee

# Motion: Form Standing Committee

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Motion: The IEEE 802 LMSC approves the creation of an IEEE 802 YANG Standing Committee (YANG SC) with the scope of work, deliverables, membership, voting in the subgroup, and parliamentary procedures for approval to move any deliverables to the Standards Committee for action detailed on slide 2 of ec-25-0166-00.

Moved: Parsons Second: Zimmerman

# Motion: Confirm Chair

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Motion: The IEEE 802 LMSC confirms Scott Mansfield as the IEEE 802 YANG Standing Committee (YANG SC) Chair.

Moved: Parsons Second: Zimmerman

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# Background Material

# What is YANG?

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- YANG is a data modeling language used to model configuration data, state data, Remote Procedure Calls, and notifications for network management protocols.
- Defined in IETF RFC 7950
- Tooling, guidelines, and many examples and use-cases are available

# YANGsters Introduction

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- Started in 2017
  - As a sub-group of IEEE802.1
- <https://1.ieee802.org/yangsters/>
  - This group is responsible for discussing common practice for YANG models supporting IEEE 802 protocols. This common practice includes, but is not limited to, URN root, style, structure, tooling and process. While the primary attendees are expected to be editors of existing IEEE 802 YANG projects, other experts interested in YANG are welcome.

# How YANG is developed in IEEE 802.1 and IEEE 802.3

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- IEEE 802.1
  - YANG is developed as an integral part of the IEEE Standard 802.1 project that is developing the protocol.
  - The authoritative source for the YANG is the published Standard.
  - Modification of existing YANG is handled by the maintenance process and/or work started by a PAR.
- IEEE 802.3
  - Historically, YANG has been developed after the protocol standardization has completed.
  - YANG roll-ups occur in the maintenance process.
  - New initiative under consideration to move the YANG out of the 802.3 Standard and do the development and publication in open-source leveraging an IEEE Tier 3 open-source project.



# Becoming a Standing Committee

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- What changes with YANGsters as a Standing Committee
  - 802 becomes the parent
  - More visibility for the 802 standards committee
    - Which may lead to better coordination and reduced duplication of effort
- What stays the same
  - Each working group still needs to develop YANG using their way of working.
  - 802.1 would still develop as the protocol is developed.
  - 802.3 will either continue with the maintenance process or build a new way of working based on open-source