

# 50G/NGOATH Nomenclature

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# Nomenclature Background

- The use of roman numerals to identify the MAC rates associated with various interfaces worked well when the roman numerals were simple and the number of such identified interfaces were few.
- Since then, the number of interfaces and MAC rates has expanded, and many more are coming as Ethernet becomes ubiquitous
  - 2.5 Gb/s
  - 5 Gb/s
  - 50 Gb/s
  - 200 Gb/s
- P802.3by adopted Arabic numeral nomenclature for the MII and AUI (i.e. 25GMII and 25GAUI) in January 2015 for enhanced clarity in communication

# Future looking

- Looking into the future, roman numerals become a bigger problem:
  - 800G = DCCC AUI
  - 1T = MAUI - already taken, so is it DDAUI?
- What about fractional rates as PHYs push the channel capacity?
  - 2.5G = ??
  - 12.5G = ??

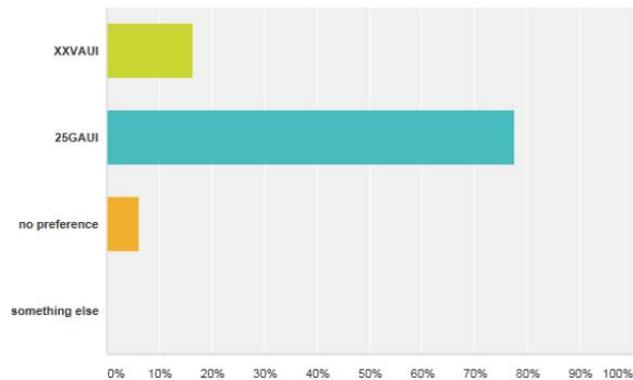
# P802.3by Survey Results from January 2015

**NEW  
SLIDE**

## AUI & MII Survey Results

For the AUI term in P802.3by, I prefer to write in the specification

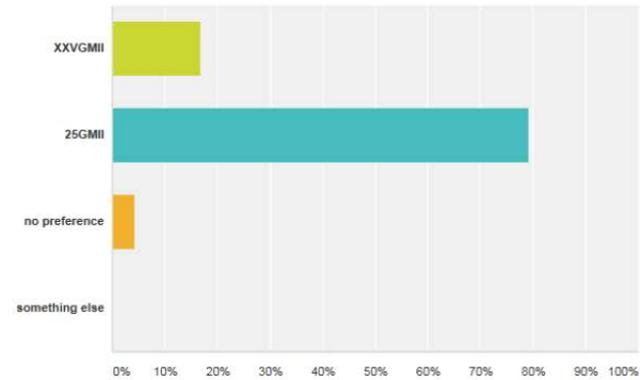
Answered: 49 Skipped: 0



Answer Choices	Responses
XXVAUI	16.33% 8
25GAUI	77.55% 38
no preference	6.12% 3
something else	0.00% 0
Total	49

For the MII term in P802.3by, I prefer to write in the specification

Answered: 48 Skipped: 1



Answer Choices	Responses
XXVGMII	16.67% 8
25GMII	79.17% 38
no preference	4.17% 2
something else	0.00% 0
Total	48

# Proposal

- In the 50G/NGOATH Study Groups, use the following nomenclature for clarity in communication:
  - 50GAUI & 50GMII (not LAUI and LMII)
  - 200GAUI & 200GMII (not CCAUI and CCGMII)
- Keep CAUI-n and CGMII since it already is defined

THANKS!