Session #1: "Evolving Beyond 400 Gb/s" The Road Beyond 400 Gb/s Ethernet John D'Ambrosia Futurewei, a U.S. Subsidiary of Huawei

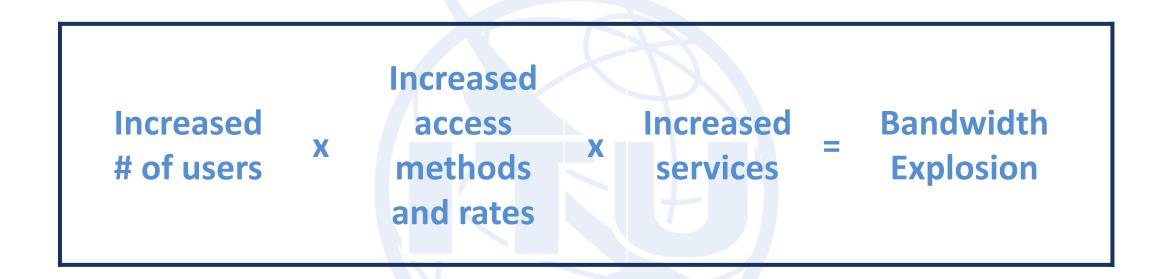


Ethernet Bandwidth Assessment, Part II

- Charter and Scope
 - Evaluate Ethernet wireline bandwidth needs of the industry
 - Reference material for a future activity
 - The role of this ad hoc is to gather information, not make recommendations or create a CFI
- Webpage <u>http://www.ieee802.org/3/ad_hoc/bwa/index.html</u>
- Reflector <u>http://www.ieee802.org/3/ad_hoc/bwa/reflector.html</u>



A Simple Equation



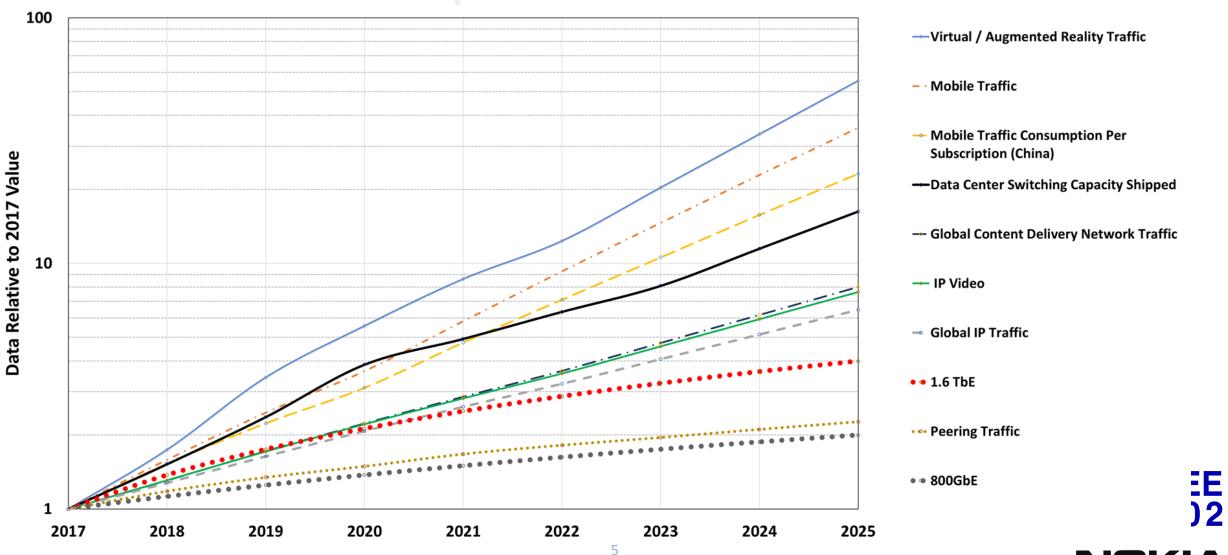


Assessment limitations

- Assessment Duration: 18 months maximum
 - One year for information gathering (Sept 2018 Sept 2019)
 - All potential application spaces may not have been studied
 - Prevent data from becoming dated
 - Information provided snapshot at time of submission
- Past trends may not be an accurate predictor of the future
 - Emerging applications
 - Technology
 - Standardization Efforts
 - Will Ethernet cost per gigabit continue to decrease?
- Underlying assumptions
 - Market adoption
 - Continuation of applications that require increasing bandwidth

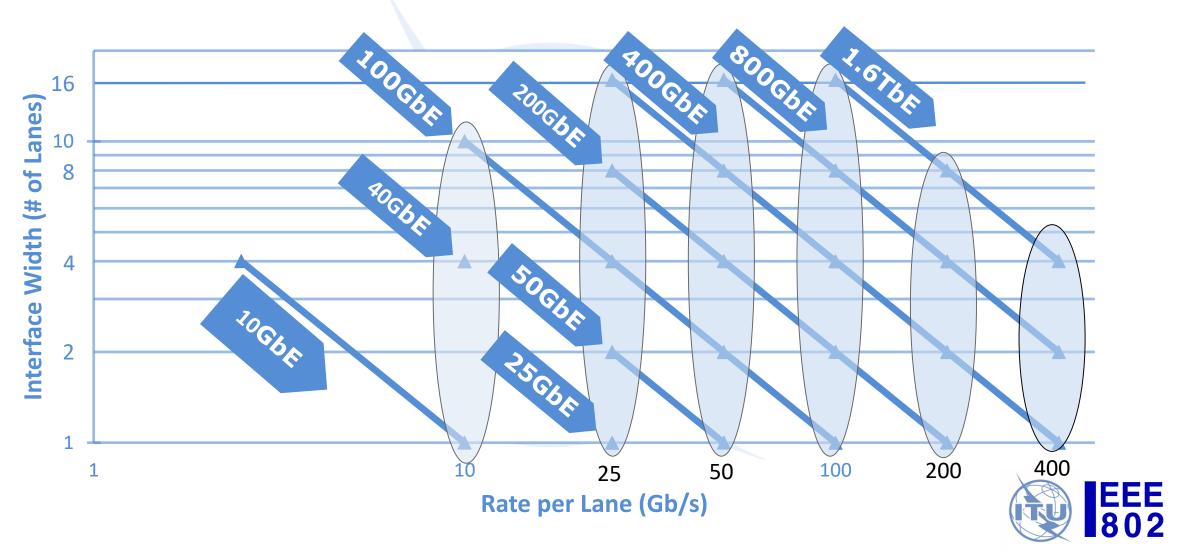


The Ethernet BWA, Part II



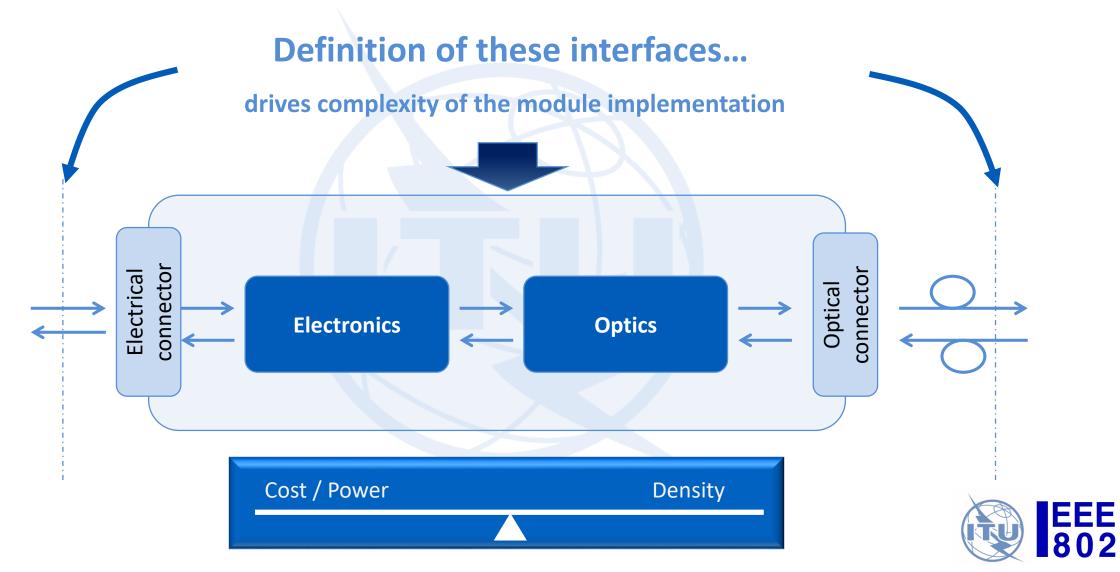
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The Basic Math of Ethernet





Optical Module Implementation



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