

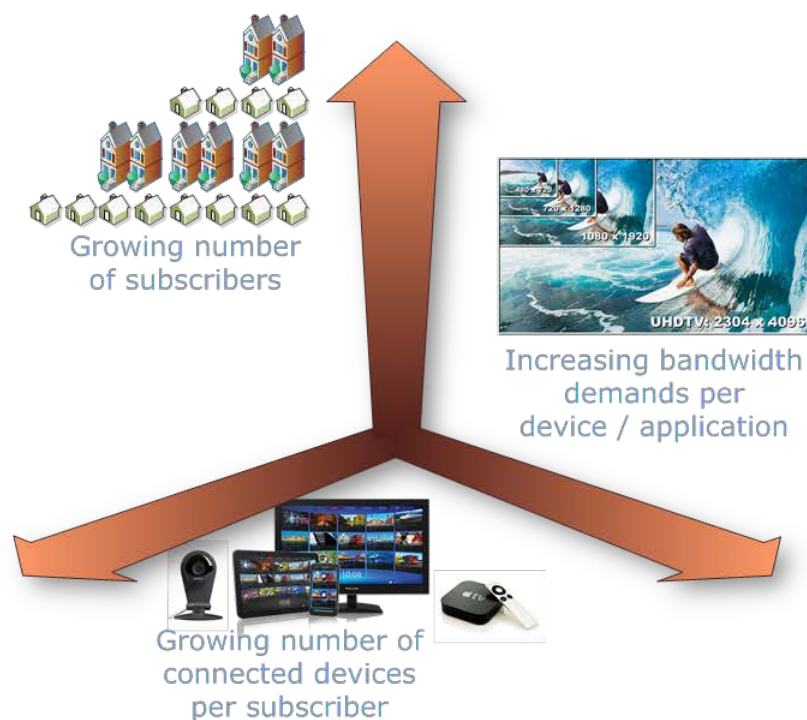
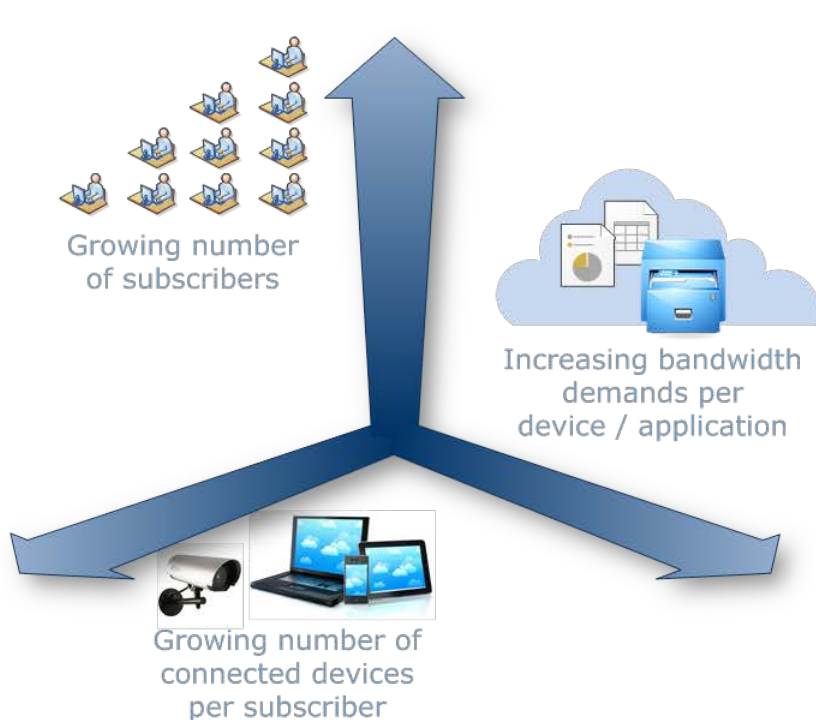
Next Generation Ethernet Passive Optical Network (NG-EPON)

Call for Interest

Curtis Knittle – CableLabs
IEEE 802.3 Working Group
Waikoloa, Hawaii
July 2015

Business Access Networks

Residential Access Networks



- ❑ Demand for access network bandwidth continues to grow exponentially in both business and residential deployments
- ❑ 10G-EPON capacity is predicted to be insufficient within 4-6 years for some applications
- ❑ Solution to support converged business and residential deployments is necessary

- ❑ An overview presentation will be given to build consensus

- ❑ Date: Tuesday, July 14
- ❑ Time: 6:00 pm – 7:30 pm
- ❑ Room: TBD

- ❑ Request to form Study Group will occur on Thursday, July 16, at closing plenary

Call for Interest

NG-EPON

The volume of traffic in residential and business access networks continues to increase, driven by the combination of growing number of subscribers, numbers of devices per subscriber, and innovative applications requiring more bandwidth. It is expected that in the next 2-3 years, the combined bandwidth demand from residential and business applications will surpass the capabilities of existing 1G-EPON and 10G-EPON PHYs. Service providers that have invested in EPON now spearhead the industry drive to develop the next generation of access technology that would offer increased capacities and seamless upgrade capabilities. The Next Generation EPON (NG-EPON) Call for Interest, to be held at the July plenary meeting in Hawaii, will present the market drivers and potentially-relevant recent technical advancements, and will request the formation of a study group to further explore the next generation of EPON technology.

Thank you!