

Broad Market Potential

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## Broad Market Potential

- Broad set of applications
- Multiple vendors, multiple users
- Balanced cost, LAN vs. attached stations

10G EPON is applicable in multiple environments to support bandwidth-intensive applications that will require fast, reliable, scalable, first-mile connections. Such applications include Broadcast TV (expanded HDTV content), IPTV, time-shifted TV, rich unicast based VOD content libraries, 3D Online Interactive Games, UltraHigh Speed Internet, Personal Video Casting, Business Ethernet Access, Distributed Network Attached Storage, Medical Imaging, HDTV Video Conferencing, Video Email, Virtualized Multimedia Network applications, Grid Computing Interconnect, Next Generation Wireless Access Backhaul, MDU backhaul, and BPL backhaul.

In an overwhelming response at the March, 2006, IEEE 802 LMSC meeting in Denver, attendees voted 52 to 2 to form a 10G b/s EPON study group. Among those represented were 31 companies including optical component manufacturers and semiconductor manufacturers, equipment vendors, and service providers and 58 individuals who expressed interest in participating in the activities of 10GEPON study group and consequent task force.

10G interfaces will eventually exhibit a similar cost balance as 1G 802.3ah for PON ports versus per attached stations.

**Approve response to Broad Market Potential criteria as shown in  
"5crit\_market\_1\_0506.pdf" on page 2.**

Moved:

Seconded:

Y:

N:

A: