

802.3 Ethernet Over SONET Ad Hoc Report

IEEE 802 Liaison Communications To ITU-T SG7

Roy Bynum

802 Plenary Meeting

March 15, 2001



802.3 Ethernet Over SONET Ad Hoc Meeting

- The 802.3 EoS Ad Hoc Meeting was held on Wednesday Morning, 3/14/01, with 7 attending.
- A review of X.86 with specific focus on relative characteristics of PHY versus 2 port bridge.
- It was concluded that 802.3 has recognized that X.86 represents a simple 2 port bridge between an MII/GMII interface and transmission system payloads.
- It was also recognized that 802.3x (Flow Control) could be used as an alternative method of rate adaptation between the Ethernet data transfer rates and the transmission payload rates.
- It was decided to write a response to ITU-T SG7 and make a motion to 802.3 WG to respond with the following text:



Motion For Text To Send To ITU-T SG7

Move that the following text be sent to ITU-T SG7 in the form of a liaison letter from IEEE 802:

Thank you for informing us of the approval of your specification X.86 which seems to conform to our interface specification of the MII/GMII in ISO/IEC 8802-3.

You describe this as a new PHY for Ethernet. Because X.86 makes changes to the Ethernet frame transfer rate, and uses a store and forward functionality in LAPS, we believe that it is more appropriate to describe this device as a simple 2 port bridge to connect an MII/GMII to a SDH transmission payload.

In addition, in order to provide full functionality for rate adaptation to lower as well as higher payload rates from Ethernet frame transfer rates, we advise that you should consider the addition of 802.3x flow control capability to your Ethernet side interface.”

Proposed: Roy Bynum

Seconded: David Martin

Yes: _____ No: _____ Abstain: _____

Pass: By Acclamation _____

