ITU - Telecommunication Standardization Sector

Woodbridge, UK, 19 – 21 June 2001

QUESTIONS: 2/15
SOURCE: ITU-T SG15
TITLE: Communication Statement to IEEE P802.3 Ethernet in the First Mile Study Group
_____

COMMUNICATION STATEMENT

TO: IEEE P802 (Jim Carlo IEEE 802 chair; j.carlo@ieee.org)
COPY: Geoff Thompson (IEEE 802.3 Chair; gthompson@nortelnetworks.com)
 Howard Frazier (IEEE 802.3 EFM Study Group Chair; milardo@dominetsystems.com)

APPROVAL: Agreed to at Q.2/15 meeting, Woodbridge, UK, 19 – 21 June 2001
FOR: Information / Action
DEADLINE: 1 August 2001

CONTACT: Peter Wery Tel: +1 613 763 7603
 Chairman ITU-T Study Group 15 Fax: +1 613 763 2697
 E-mail: wery@nortelnetworks.com

Study Group 15, Working Party 1 has a Question (Q.2/15) to study optical systems for access networks.

As a result of this ongoing work, there are several ITU-T Recommendations that describe the area of optical access networks, particularly the Passive Optical Network type. The Recommendations that we wish to bring to your attention include:

[1] ITU-T Recommendation G.982 (1996) "Optical access networks to support services up to the ISDN primary rate or equivalent bit rates"
[2] ITU-T Recommendation G.983.1 (1998) "Broadband optical access systems based on Passive Optical Networks (PON)"
[3] ITU-T Recommendation G.983.3 (2001) "A Broadband optical access system with increased service capability by wavelength allocation"

These specifications describe the physical layer characteristics (e.g. wavelength plan, split ratio, reach, and link budget) of passive optical access systems that have been deployed throughout the world.

Given the similarity of study area, we would suggest that your future work on optical access network systems be coordinated with the physical layer portions of these standards, so that a maximal reuse of existing infrastructure, facilities, equipment and components can be achieved.

We would be pleased to receive your comments on this coordination. In addition, we are beginning work on higher rate PON systems, and plan to keep you up-to-date as we progress this activity in order to avoid any potential duplication of efforts in this area.
_____