**TIA Project - PN4657**

A Physical Layer Specification for 1000Mb/s or greater operating over Category 6 Balanced Twisted Pair Cabling

- Project was approved at the August TR- 41.5 meeting.
- Held first conference call on September 24.
- Objectives were established.
- Scheduled completion the end of 2000.
- Press Release from TIA on October 29th.
- First Draft available.
- Next meeting in February.
Project Objectives

- A physical layer specification that is low complexity, and that can be implemented at low cost and with low power.
- A MAC interface variant with 8 bit wide data bus, transmit/receive clock, error, and control.
- Support a 100 meter Category 6 cabling variant at a minimum of 1 Gb/s.
- A full duplex phy interface only.
- Forward Error Correction (Optional).
- A simple modulation scheme.
- A minimum $10^{-10}$ BER.
- Scaleable.