

**IEEE 802.3 10GBASE-T
Study Group
Opening Plenary Meeting Report**

San Francisco, CA

July 21, 2003

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Reflector and Web

- To subscribe to any of the 10GBASE-T reflectors send an email to:

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- 10GBASE-T Study Group web page URL:

<http://www.ieee802.org/3/10GBT/>



Interim Meeting

- **May 21-22, 2003**
- **Sheraton Portsmouth in Portsmouth, NH**
- **Hosted by MC Communications**
- **~50 attendees**
- **21 presentations**
 - **Objectives**
 - **Cabling**
 - **Alien crosstalk**
 - **Line coding**
 - **PAR**



Results from Interim

- **Developed a draft PAR**
- **Added another requirement to the Technical Feasibility of the 5 Critters**
- **Developed a set of Objectives**
- **Decided to spend more time to develop a more complete 5 Criteria document**
 - **Postponed PAR and 5 Criteria vote until November '03**
 - **Huge progress in May, especially around Technical Feasibility, but need to map to Broad Market Potential and Economic Feasibility**

Objectives

- **Preserve the 802.3/Ethernet frame format at the MAC Client service interface**
- **Meet 802 Function Requirements, with the possible exception of Hamming Distance**
- **Preserve min. and max. frame size of current 802.3 Std.**
- **Support full duplex operation only**
- **Support star-wired local area networks using point-to-point links and structured cabling topologies**
- **Support a speed of 10.000 Gb/s at the MAC/PLS service interface**
- **Select copper media from ISO/IEC 11801:2002, with any appropriate augmentation to be developed through work of 802.3 in conjunction with SC25/WG3**
- **Support 100 m over 4-connector structured 4-pair, twisted-pair copper cabling**
- **To not support 802.3ah (EFM) OAM unidirectional operation**
- **Support coexistence with 802.3af**
- **Support Clause 28 auto-negotiation**

Plans for the Week

- **Hear presentations**
 - 14 technical presentations
- **Refine PAR, 5 Criteria and Objectives**
 - Predominantly focused on the 5 Criteria
- **Respond to ISO/IEC liaison letter**

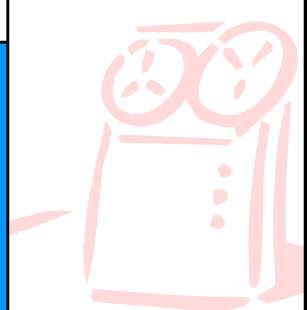


Liaison Letter(s)

- **Liaison letter received from ISO/IEC JTC 1 / SG 25 / WG 3**
 - Urging the use of Class E (CAT6) or better cabling
 - Letter will be addressed this week
- **Liaison letter received from TIA TR42**
 - In response to the 802.3 liaison letter sent to them



Meeting Map

	MON	TUE	WED	THU	FRI
08:00	SEC				
08:30					
09:00		10GBT Opening	10GBT Presentations	10GBT Closing & Motion Madness	
09:30		10GBT Presentations			
10:00					
10:30	Break				
11:00	802 Plenary				
11:30					
12:00	Lunch	Lunch	Lunch	Lunch	
12:30					
13:00	802.3 Plenary	10GBT Presentations	5 Criteria Discussion	802.3 Plenary	SEC
14:00					
14:30					
15:00					
15:30					
16:00					
16:30					
17:00					
17:30					
18:00	Dinner	Dinner	Time Off		
18:30	Tutorial #1				
20:00	Tutorial #2	Tutorial #3	Social Reception		
20:30					
21:00					
21:30					

Thank You!

