IEEE P802.3an (10GBASE-T)
Task Force
Opening Plenary Meeting Report

Orlando, FL

March 15, 2004

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The BIG NEWS

10GBASE-T Study Group

became

IEEE P802.3an Task Force

on February 27, 2004

Thank you to everyone that helped make it happen!

Reflector and Web

- **Majordomo is no more… Listserv is up and running**
  - **Everyone has the ability to create a listserv account**
  - **Permits you to manage your reflector subscriptions**

- **To subscribe to any of the 10GBASE-T reflectors send an email to:**
  listserv@ieee.org

  with the following in the <u>body of the message</u>:
  subscribe stds-802-3-10GBT <your email address>

  subscribe stds-802-3-10GBT-Modeling <your email address>

  subscribe stds-802-3-10GBT-Cabling <your email address>

- **P802.3an Task Force web page URL:**
  http://www.ieee802.org/3/an/

P802.3an Documents

- ## PAR
  - **http://www.ieee802.org/3/10GBT/public/nov03/par_2_1103.pdf**

- ## 5 Criteria
  - **http://www.ieee802.org/3/10GBT/public/nov03/5Criteria_2_1103.pdf**

- ## Objectives
  - **http://www.ieee802.org/3/10GBT/public/sep03/objectives_1_0903.pdf**
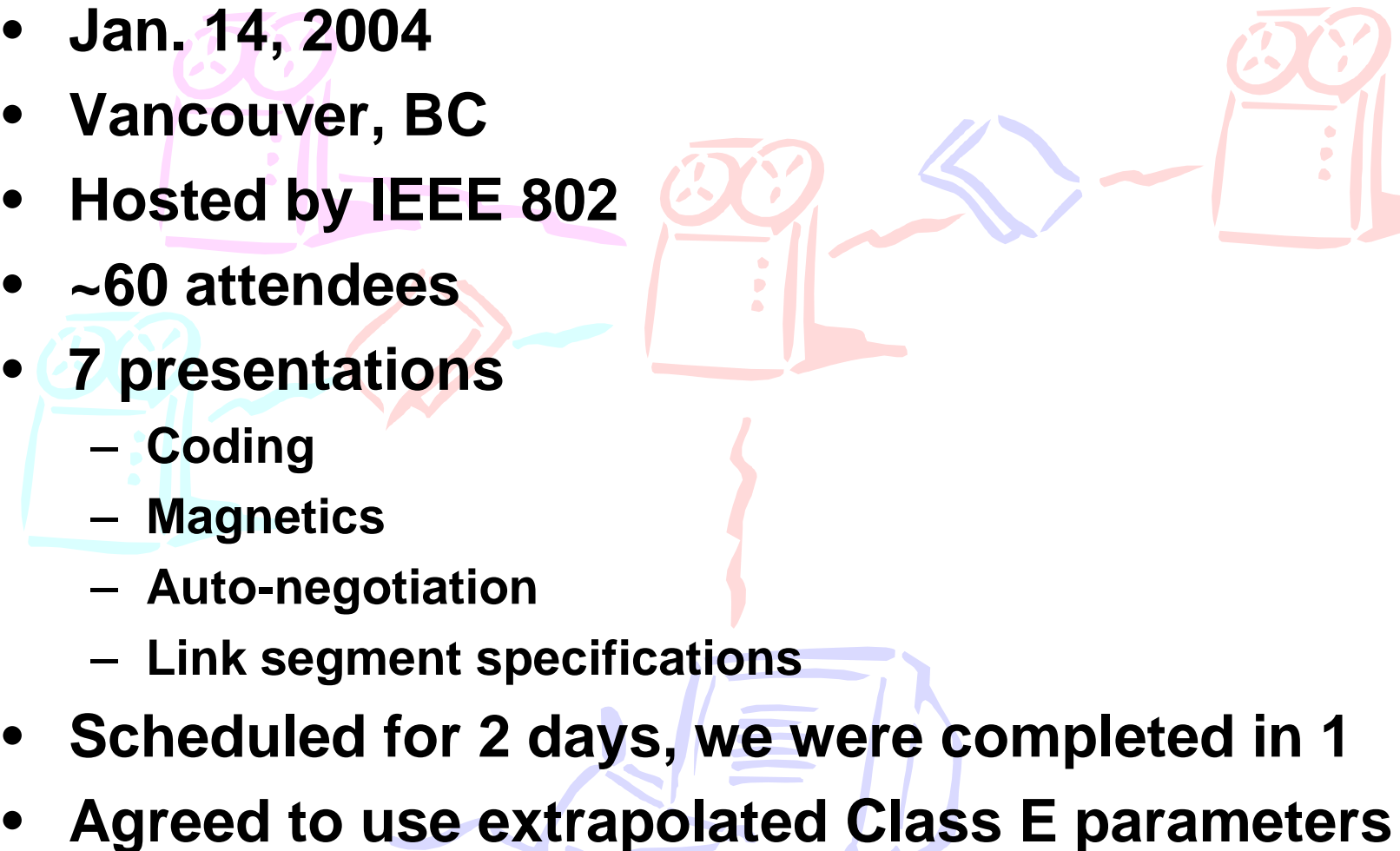
Objectives

- **Preserve the 802.3/Ethernet frame format at the MAC Client service interface**
- **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 Clause 28 auto-negotiation**
- **Support coexistence with 802.3af**
- **To not support 802.3ah (EFM) OAM unidirectional operation**
- **Meet CISPR/FCC Class A**

Objectives

- **Support operation over 4-connector structured 4-pair, twisted-pair copper cabling for all supported distances and Classes**

- **Define a single 10 Gb/s PHY that would support links of:**
  - **At least 100 m on four-pair Class F balanced copper cabling**
  - **At least 55 m to 100 m on four-pair Class E balanced copper cabling**

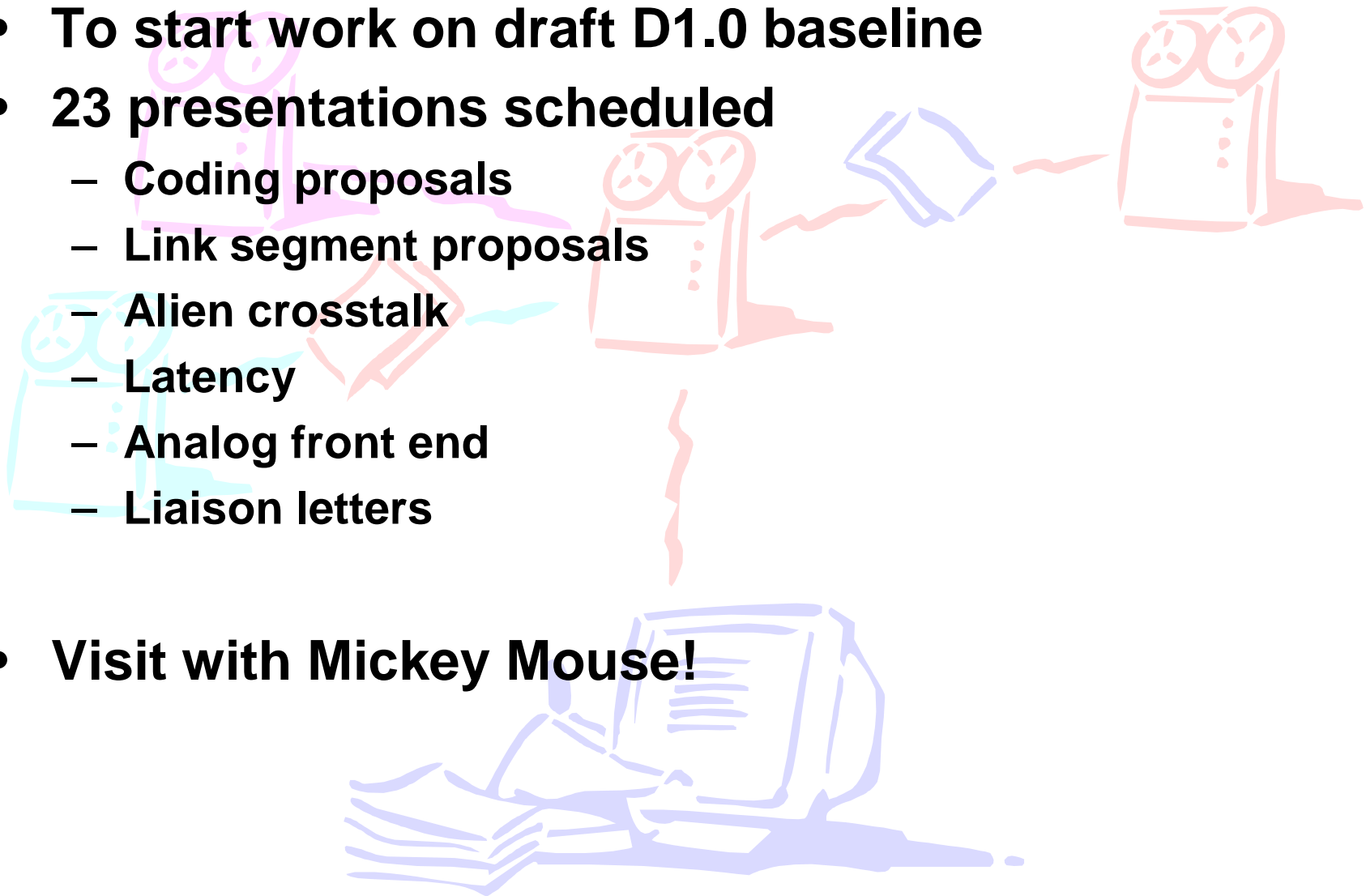- **Support a BER of 10^{-12} on all supported distances and Classes**

Interim Meeting

- **Jan. 14, 2004**
- **Vancouver, BC**
- **Hosted by IEEE 802**
- **~60 attendees**
- **7 presentations**
  - **Coding**
  - **Magnetics**
  - **Auto-negotiation**
  - **Link segment specifications**
- **Scheduled for 2 days, we were completed in 1**
- **Agreed to use extrapolated Class E parameters**

Plans for the Week

- **To start work on draft D1.0 baseline**
- **23 presentations scheduled**
  - **Coding proposals**
  - **Link segment proposals**
  - **Alien crosstalk**
  - **Latency**
  - **Analog front end**
  - **Liaison letters**

- **Visit with Mickey Mouse!**

Interim Meeting Options (May 24-27)

- **Monterey, CA**
- **$149 / night**
- **Golf course & wine region**
- **5 min. drive to downtown**
- **90 mins. from San Jose**

- **Anaheim, CA**
- **$125 / night**
- **Near Disneyland**
- **Walking distance to restaurants**
- **Between LAX & OC airports**

- **Long Beach, CA**
- **$119 / night**
- **Newly renovated downtown w/ free wireless**
- **Walking distance to restaurants and bars**
- **Between LAX & OC**

Interim Meeting Straw Poll

- **Monterey, CA**
- **Count: 26**

- **Anaheim, CA**
- **Count: 4**

- **Long Beach, CA**
- **Count: 25**

Thank You!