802.3bq Channel Modeling Ad Hoc Proposed Agenda

17th May 2013

Proposed Agenda

- 9:00 am start
  - Record attendance, attendees' names and affiliations
  - Reminder of IEEE patent policy
    - www.ieee802.org/3/patent.html
  - Housekeeping: Approve agenda, review ad hoc charter/scope and deliverables
    - Defining a set of channel models for PHY complexity evaluation, including host channel model
    - Early feedback on key parameters to cabling bodies (Can a parameter be improved? Is a relaxation a cost benefit?)
  - Brainstorming session - Review May 802.3bq interim presentations to capture existing content, identify gaps, define actions/next steps needed to close any identified gaps (and owners to close!), and begin moving forward with developing the ad hoc's deliverables.
  - Discussion
- 11:00 am meeting end

Ad Hoc Communications

- The 802.3bq Channel Modeling ad hoc will use the 802.3bq task force reflector for ad hoc communications

- To subscribe to the 802.3bq reflector, send an email to: **_ListServ@ieee.org_** with the following in the body of the message (do not include "<>"):

  subscribe stds-802-3-NGBASET <yourfirstname> <yourlastname>

- Send 802.3bq reflector messages to: **STDS-802-3-NGBASET@listserv.ieee.org**

- Task Force web page URL: **http://www.ieee802.org/3/bq/index.html**

Ad Hoc Meetings

- Meeting frequency
  - Largely contribution driven
  - Regularly scheduled meeting every "x" weeks may help maintain momentum
- Meeting "venue"
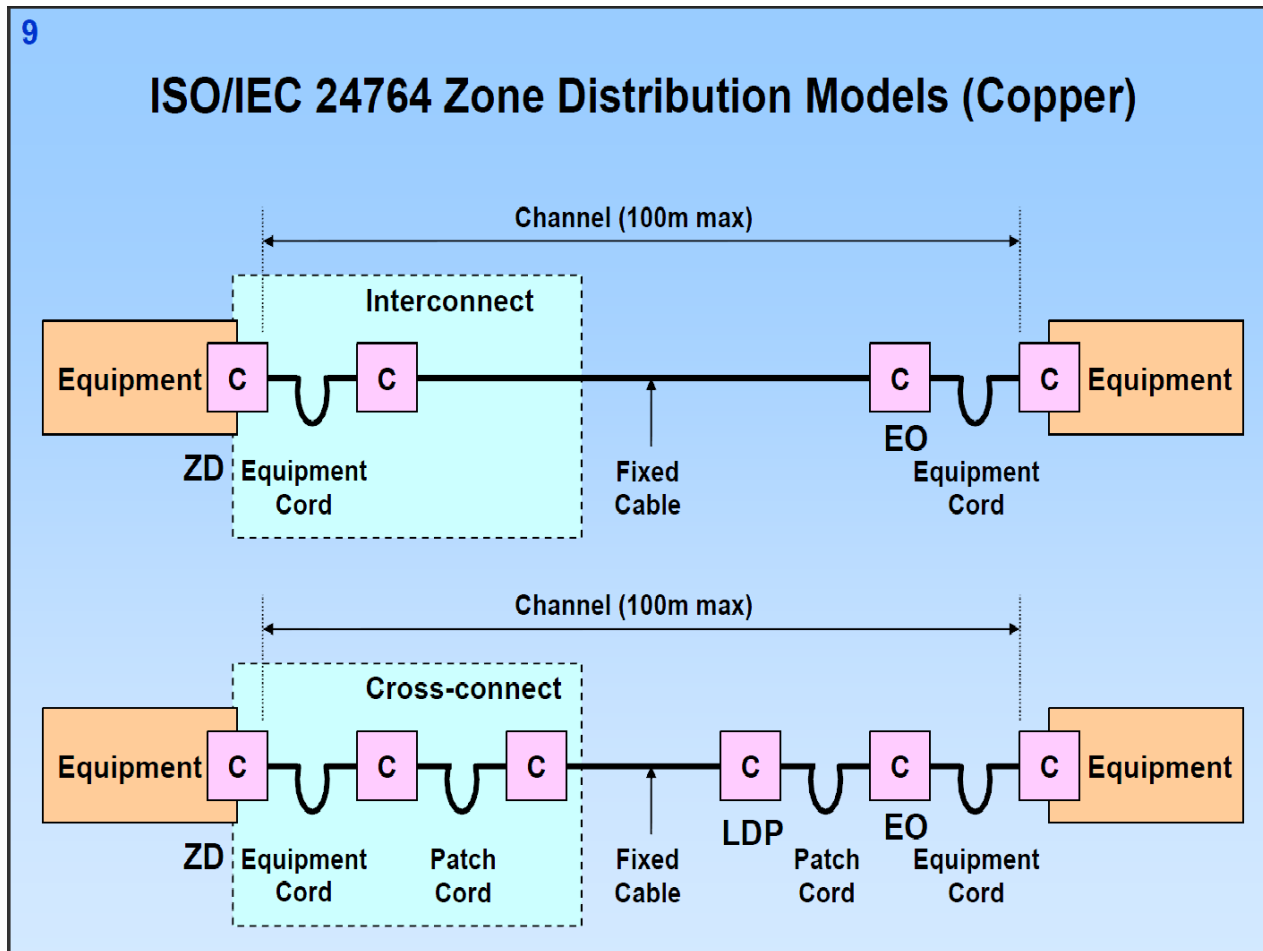 - Teleconference, Webex, Lync, Fuze, other…

Channel Modeling ad hoc Next Steps

- Things needed
  - Brainstorm and get a list of relevant channel configurations (can't deal with 30 different models)
  - Deliverables to PHY development team?
    - S-parameter models, channel model equations, channel topologies, model format/port numbering (ex. TIA 1183, VNA measurements & port numbering conventions/nomenclature)

- Meetings

Previous contributions (not comprehensive)

- PHY-to-PHY Model Concepts described in nordin_01a_0912.pdf and zimmerman_01_0513_40GBT.pdf

- ISO/IEC Zone Distribution Models (MDI-to-MDI channel topology) described in flatman_01_0513_40GBT.pdf

- Models applied to PHY power estimates in grimwood_01_0513_40GBT.pdf

- Many more nuggets to be mined from 802.3bq and other standards activities

ISO/IEC Zone Distribution Models

(from flatman_01_0513_40GBT.pdf)