CHANNEL MODELING AD HOC REPORT

Pete Cibula (Intel) and Brad Booth (Microsoft), co-chairs

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CHARTER, SCOPE & DELIVERABLES

- Define a set of channel models for PHY complexity evaluation, including host channel model
- Provide early feedback on key parameters to cabling bodies
  - Can a parameter be improved?
  - Is a relaxation a cost benefit?

ACTIVITY SINCE JULY 2013

- Two well-attended channel modeling ad hoc calls
  - July 31st and August 21st
  - MDI-to-MDI cabling subteam has held additional meetings to further facilitate cable channel modeling activities
    - Channel models update on August 26th
  - Host PCB channel data uploaded on August 26th
- Meeting minutes and contributions are available at the 40GBASE-T website channel modeling ad hoc area http://www.ieee802.org/3/bq/public/channelmodeling/index.html

NEXT STEPS

- Further work
  - Continue to refine cable channel definitions and share results
  - Review and refine PCB transmission line & noise
  - MDI and isolation path characterization and model
  - Develop, evaluate and deliver PHY-to-PHY models, i.e. a complete build of PHY-to-PHY s-parameter models and post to the Task Force
- Future meetings
  - Next ad hoc September 18th
- Thanks to all ad hoc contributors and participants
  - You can be a contributor, too!