
**IEEE 802.3
Ethernet Working Group
July Plenary Report
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www.ieee802.org/3

P802.3ar Congestion Management

- Remains stalemated by 802.3 failing to approve modified project documents
- Short meeting to discuss status
 - Discussed: withdrawal of PAR, reconsideration of modified PAR to 802.3, future meetings
 - TF recommend no meetings until March 2008 then re-evaluate status, 802.3 favored November meeting
- Motion to withdraw PAR during 802.3 closing plenary failed

P802.3at DTE Power Enhancements

- Draft is undergoing TF review
 - Not all D0.8 comments were resolved, D0.9 will include agreed changes
 - Some major technical decisions yet to be resolved
 - Maximum power to be delivered still to be determined
 - 100BASE-TX inductance requirements and powering to be investigated
- Continued liaison work regarding effects of DTE powering on cabling
- Good progress on Clause 33 maintenance items
- Next meeting in Seoul, Korea
11 – 13 September 2007
 - Continue to work toward technically complete draft

P802.3av 10Gb/s EPON

- Working toward first draft
 - Adopted a number of baseline proposals (10 Gb/s broadcast approach, FEC idle insertion and deletion for data rate matching, upstream wavelength and bandpass)
 - Still a couple of significant decisions to resolve prior to draft creation (downstream wavelength, downstream power budget)
- Next meeting in Seoul, Korea
11 – 13 September 2007
 - Continue to work toward initial draft
 - Target initial draft availability prior to November

IEEE Std 802.3 Revision

- The revision is composed of two projects
 - P802.1AX (802.3ax) extracts clause 43 Link Aggregation into an independent standard to be handed off to 802.1 upon approval
 - P802.3REV (802.3ay) merge of amendments, corrigenda and maintenance changes
- Both projects will require a second recirculation WG ballot for substantive changes accepted during the week
- Next meeting in Seoul, Korea
11 – 13 September 2007

Energy-Efficient Ethernet SG

- PAR was considered by 802.3 and LMSC
 - P802.3az, Energy-Efficient Ethernet objectives, five criteria and PAR approved
 - P802.3az PAR will be considered at September IEEE-SA Standards Board meeting for approval
 - Objectives accepted for: quick transition time, almost no power consumption state and changes to the standard for link speed change
 - Tutorial on proposed project held (www.ieee802.org/802_tutorials/index.htm)
- Next meeting in Seoul, Korea
11 – 13 September 2007
 - Begin evaluation of technical proposals in anticipation of project approval

Higher Speed Ethernet SG

- P802.3ba objectives, five criteria and PAR approved by 802.3
 - Will include specifications for both 100 Gb/s and 40 Gb/s
 - Will address OTN compatibility
 - Primary focus for 100 Gb/s operation is aggregation (e.g., switch to switch links)
 - Primary focus for 40 Gb/s operation is server connection (e.g., data center interconnect)
- PAR and five criteria will be considered by LMSC in November and by IEEE-SA Standards Board in December
- Next meeting in Seoul, Korea
11 – 13 September 2007
 - Begin evaluation of technical proposals in anticipation of project approval

Working Group information

- Web site – www.ieee802.org/3
- WG and TF documents on web site
 - Presentations
 - Minutes
 - Reflector subscription information
 - Rules, etc.
- Interim TF and SG meeting details will be posted on web site
 - All TFs (except P802.3ar) and SGs will meet in Seoul, Korea the week of 10 September (check schedule on web site for each group's meeting days)
 - Next WG plenary session, 12-15 November, Atlanta, Georgia, USA