

# IEEE 802.3 Working Group November 2013 Plenary Week Report

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Web site: [www.ieee802.org/3](http://www.ieee802.org/3)

# IEEE 802.3 Maintenance

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- Maintenance closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_maint\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_maint_close_report.pdf)
- Activities
  - Maintenance requests
    - Considered new maintenance requests
    - Reviewed status of outstanding maintenance requests
  - Submission of IEEE Std 802.3-2012 to ISO/IEC JTC1 SC6
    - Reviewed status of adoption of IEEE Std 802.3 under PSDO
- Next meeting
  - IEEE 802.3 January 2014 interim meeting series
    - Full details at: <http://www.ieee802.org/3/interims/>
- Web page
  - <http://www.ieee802.org/3/maint/index.html>

# IEEE P802.3bj 100 Gb/s Backplane and Copper Task Force closing report

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- Task Force closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_bj\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_bj_close_report.pdf)
- Progress
  - IEEE P802.3bj/D2.3 completed 3<sup>rd</sup> Working Group recirculation ballot
    - 100% Approval rate, 58% Return rate, 20% Abstention rate
  - No comments received
  - Approval granted to proceed to IEEE-SA Sponsor Ballot
- Next steps
  - Initial sponsor ballot on IEEE P802.3bj/D3.0
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
  - Consider comments received on initial sponsor ballot
- Web page: <http://www.ieee802.org/3/bj/index.html>

# IEEE 802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force

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- Task Force closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_bm\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_bm_close_report.pdf)
- Progress
  - IEEE P802.3bm/D1.2 completed 3<sup>rd</sup> Task Force Review
    - Considered and responded to 26 comments
  - Updated Five Criteria Responses and Objectives
    - Removal of 20 m multimode and 500 m singlemode 100Gb/s PHY objectives
  - Approval granted to proceed to Working Group ballot
- Next steps
  - Proceed with initial Working Group ballot on Draft D2.0
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
  - Consider comments received on initial Working Group ballot
- Web page:
  - <http://www.ieee802.org/3/bm/index.html>

# IEEE 802.3bn EPON Protocol over a Coax (EPoC) PHY Task Force

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- Task Force closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_bn\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_bn_close_report.pdf)
- Progress
  - Heard 23 presentations
    - 14 technical motions approved
    - A much larger amount of baseline and near baseline text in process
- Next steps
  - Continue selection of baseline proposals to satisfy project objectives
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
  - <http://www.ieee802.org/3/bn/index.html>

# IEEE 802.3bp Reduced Twisted Pair 1 Gb/s Ethernet Task Force

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- Task Force closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_bp\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_bp_close_report.pdf)
- Progress
  - Link segment ad hoc
    - Nine presentations in support of the ad hoc recommendations
    - Channel baselines have now been adopted
  - EMC ad hoc
    - Five presentations on EMC test fixturing and measurements
    - Plan to complete this activity at January 2014 interim
- Next steps
  - Continue work towards baseline proposals to satisfy project objectives
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:
  - <http://www.ieee802.org/3/bp/index.html>

# IEEE 802.3bq 40BASE-T Task Force

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- Task Force closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_bq\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_bq_close_report.pdf)
- Progress
  - Heard 12 presentations
    - Channel modeling ad hoc report out
    - Channel model updates
    - Channel data scaling techniques
  - Consensus sufficient channel model data to begin work on PHY proposal
    - Formed PHY Proposal ad hocNext steps
- Next steps
  - Continue work towards baseline proposals to satisfy project objectives
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:  
<http://www.ieee802.org/3/bq/index.html>

# IEEE 802.3 Distinguished minimum latency traffic in a converged traffic environment Study Group

- Study Group closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_dmlt\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_dmlt_close_report.pdf)
- Progress
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on December NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved by SASB
- First IEEE P802.3br meeting planned for January 2014
  - Assuming PAR approval by SASB
    - If not will meet as IEEE 802.3 Distinguished minimum latency traffic Study Group
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:  
<http://www.ieee802.org/3/DMTL/index.html>



# IEEE 802.3 400Gb/s Ethernet Study Group

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- Study Group closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_400g\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_400g_close_report.pdf)
- Progress
  - Heard 20 presentations
    - Objectives, Technical Feasibility and Economic Feasibility
  - Further objectives approved including
    - Bit Error Ratio better than or equal to 10<sup>-13</sup> (or the frame loss ratio equivalent)
    - Provide physical layer specifications which support link distances of at least:
      - 100 m over MMF, 500 m over SMF, 2 km over OM3 and 10 km over OM4
    - Study Group chartered for six more months
- Next meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:  
<http://www.ieee802.org/3/400GSG/index.html>

# IEEE 802.3 4-pair Power over Ethernet Study Group

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- Study Group closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_4ppoe\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_4ppoe_close_report.pdf)
- Progress
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on December NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved by SASB
- First IEEE P802.3bt meeting planned for January 2014
  - Assuming PAR approval by SASB
    - If not will meet as IEEE 802.3 4-pair Power over Ethernet Study Group
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page:  
<http://www.ieee802.org/3/4PPOE/index.html>

# IEEE 802.3 1-Pair Power over Data Lines Study Group

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- Study Group closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_1ppodl\\_close\\_report.pdf](http://www.ieee802.org/3/minutes/nov13/1113_1ppodl_close_report.pdf)
- Progress
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on December NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved by SASB
- First IEEE P802.3bu meeting planned for January 2014
  - Assuming PAR approval by SASB
    - If not will meet as IEEE 802.3 1-Pair Power over Data Lines Study Group
  - Full details at: <http://www.ieee802.org/3/interims/>
- Web page
  - <http://www.ieee802.org/3/index.html>

# Next Generation Passive Optical networking (NGEPON) Industry connections proposal

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- Closing report
  - [http://www.ieee802.org/3/minutes/nov13/1113\\_ng\\_epon\\_iccom\\_close.pdf](http://www.ieee802.org/3/minutes/nov13/1113_ng_epon_iccom_close.pdf)
- Progress
  - ICAID endorsed by IEEE 802 Executive Committee
  - ICAID on December ICCom agenda
- First meeting at January 2014 interim meeting series
  - Full details at: <http://www.ieee802.org/3/interims/>

# Working Group information

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- IEEE 802.3 Web site  
<http://www.ieee802.org/3>
- WG and TF documents on web site
  - Presentations
  - Minutes
  - Reflector subscription information
  - Rules, etc.
- Interim TF and SG meeting details posted on web site  
<http://www.ieee802.org/3/interims/index.html>
  - IEEE 802.3 Interim meeting series
    - Monday, 20<sup>th</sup> January through Friday, 24<sup>th</sup> January 2014
    - Hyatt Regency Indian Wells, CA, USA
  - Next IEEE 802.3 WG plenary session
    - Monday, 16<sup>th</sup> March through Thursday, 20<sup>th</sup> March 2014
    - China World Hotel/Traders/China World Summit Complex, Beijing, PRC