Friday, Mar 13 – 1:00 p.m.
All times CET

Estrel Hotel
Berlin, Germany

EC members (or their representatives) present:
Paul Nikolich  Chair, IEEE 802 LAN/MAN Standards Committee
Pat Thaler  1st Vice Chair, IEEE 802 LAN/MAN Standards Committee
James Gilb  2nd Vice Chair, IEEE 802 LAN/MAN Standards Committee,
            Chair, IEEE 802.24 Smart Grid TAG
Jon Rosdahl  Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D’Ambrosia  Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Glenn Parsons  Chair, IEEE 802.1 – HILI Working Group
David Law  Chair, IEEE 802.3 – Ethernet Working Group
Adrian Stephens  Chair, IEEE 802.11 – Wireless LAN Working Group
Bob Heile  Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks  Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch  Chair, IEEE 802.18 – Regulatory TAG (arrived approximately 1:20pm)
Steve Shellhammer  Chair, IEEE 802.19 – Wireless Coexistence Working Group
Subir Das  Chair, IEEE 802.21 – Media Independent Handover Working Group
Apurva Mody  Chair, IEEE 802.22 – Wireless RANs Working Group

Nonvoting EC members present:
Geoff Thompson –  Member Emeritus
Canchi Radhakrishna –  Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group
Juan Carlos Zuniga  Chair, Privacy EC Study Group

EC members absent:
Clint Chaplin –  Treasurer, IEEE 802 LAN/MAN Standards Committee

Nonvoting EC members absent:
John Lemon –  Chair, IEEE 802.17 – Resilient Packet Ring Working Group
Meeting called to order at 1:00pm

Discussion regarding agenda –

- Item 7.071 Taken out of order and addressed after initial reports after Item 4.10
- Undelete Item 8.047
- Remove 7.025 through 7.029, 7.031, 7.032, 7.033, 7.036, 7.037, 7.038, 7.039 from Consent Agenda.

* Motion #1 Move to approve agenda
  Moved DAmbrosia
  Second Gilb
  Results 12-0-0
  Motion Passes
  Reference Agenda Item #2.00

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>1.00</td>
<td>ME</td>
<td>Meeting Called to Order</td>
<td>Nikolich 3 01:00 PM</td>
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<tr>
<td>2.00</td>
<td>MI</td>
<td>Approve or Modify Agenda</td>
<td>Nikolich 15 01:03 PM</td>
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<td>3.00</td>
<td>II</td>
<td>Announcements from the Chair</td>
<td>Nikolich 5 01:18 PM</td>
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<td>4.00</td>
<td>LMSC Internal business</td>
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<td>4.01</td>
<td>MI</td>
<td>Request for funding for July 15 Commemorative badge-holders, celebrating IEEE 802.11 25th Anniversary</td>
<td>Rosdahl 5 01:23 PM</td>
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<td>4.02</td>
<td>MI</td>
<td>Confirmation of IEEE 802.24 TAG Chair</td>
<td>Nikolich / Gilb 3 01:28 PM</td>
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<td>4.03</td>
<td>MI</td>
<td>Changing Monday morning closing time from 9:30am to 10am</td>
<td>Heile 3 01:31 PM</td>
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<td>4.04</td>
<td>MI</td>
<td>Establish a procedure defining ballot closing deadlines</td>
<td>Law 3 01:34 PM</td>
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<td>4.05</td>
<td>MI</td>
<td>Motion to approve a Site visit for Bob Heile and Rick Alfin to visit K-L and Singapore for the purpose of a Site Inspection, with the cost to not exceed an additional $2000</td>
<td>Rosdahl 3 01:37 PM</td>
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<td>4.06</td>
<td>MI</td>
<td>Move to approve a Site visit for Jon Rosdahl, Rick Alfin and Dawn Slykhouse to visit the Venetian Macao in Macao, China to conduct a site visit and meeting preparation meetings with the cost not to exceed an additional $5000.00</td>
<td>Rosdahl 3 01:40 PM</td>
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<td>4.07</td>
<td>MI</td>
<td>802 Hosted Interim 2016 January Atlanta Meeting Fee”</td>
<td>Rosdahl 3 01:43 PM</td>
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<td>4.08</td>
<td>MI</td>
<td>Motion: IEEE 802 EC appoints Adrian Stephens to IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in Belgium in May 2015</td>
<td>D‘Ambrosia 3 01:46 PM</td>
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<td>4.09</td>
<td>MI</td>
<td>Motion: IEEE 802 EC approves that the IEEE 802 HoD to the SC6 meeting in May 2015 be authorized to:</td>
<td>D‘Ambrosia 3 01:49 PM</td>
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<td>4.10</td>
<td>ME</td>
<td>ME Forward IEEE 802 WG P&amp;P to AudCom for review 20 min Document IEEE_802_WG_PandP_v17.2.doc at <a href="http://www.ieee802.org/PNP-development.shtml">http://www.ieee802.org/PNP-development.shtml</a> Motion and explanation in ec-14-0087-04</td>
<td>Gilb 20 01:52 PM</td>
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<td>7.071</td>
<td>ME</td>
<td>Liaison DSRC Report to FCC (Doc #18-15-0015-02-0000)</td>
<td>Lynch 15 02:12 PM</td>
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<td>5.00</td>
<td>IEEE Standards Board and Sponsor Ballot Items</td>
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<td>5.01</td>
<td>IEEE Privacy Recommendations EC Study Group</td>
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<td>5.011</td>
<td>Privacy Considerations for IEEE 802 Technologies Draft PAR Postponed and update</td>
<td>Zuniga 8 02:27 PM</td>
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<td>5.02</td>
<td>IEEE 802.1</td>
<td>02:35 PM</td>
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<td>5.021</td>
<td>ME IEEE P802c Amendment, Local Media Access Control (MAC) Addressing, to NesCom</td>
<td>Parsons 5 02:35 PM</td>
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<tr>
<td>5.022</td>
<td>ME Withdrawal of IEEE P802.1ASbt PAR, Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks Amendment: Enhancements and performance improvements.</td>
<td>Parsons 5 02:40 PM</td>
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<td>5.023</td>
<td>ME IEEE P802.1AB/Cor2 to RevCom</td>
<td>Parsons 5 02:45 PM</td>
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<td>5.024</td>
<td>ME IEEE P802.1Qci Amendment, Per-Stream Filtering and Policing, to NesCom</td>
<td>Parsons 5 02:45 PM</td>
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<td>ME IEEE P802.1Qcj Amendment, Automatic Attachment to Provider Backbone Bridging (PBB) services, to NesCom</td>
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<td>5.026</td>
<td>ME IEEE 802.1AS/Cor2 - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks - Corrigendum 2: Technical and Editorial Corrections to Sponsor Ballot</td>
<td>Parsons 5 02:55 PM</td>
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<td>5.027</td>
<td>ME IEEE 802.1Qca - MAC Bridges and Virtual Bridged Local Area Networks Amendment: Path Control and Reservation to Sponsor Ballot</td>
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<td>ME IEEE 802.1Qbw MAC Bridges and Virtual Bridged Local Area Networks Amendment: Scheduled Traffic (conditional) to Sponsor Ballot</td>
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<td>ME IEEE 802.1Qbz -MAC Bridges and Virtual Bridged Local Area Networks Amendment: Enhancements to Bridging of 802.11 Media (conditional) to Sponsor Ballot</td>
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<td>ME IEEE P802.3bz 2.5 Gb/s and 5 Gb/s Ethernet PAR to NesCom</td>
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<td>ME IEEE P802.3bq 25GBASE-T and 40GBASE-T PAR modification to NesCom</td>
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<td>ME IEEE P802.3bw 100BASE-T1 to Sponsor Ballot (conditional)</td>
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<td>IEEE 802.11</td>
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<td>ME IEEE P802.11ay Next Generation 60 GHz PAR to NesCom</td>
<td>Stephens 5 03:40 PM</td>
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<td>ME 4. IEEE 802.11 P802.11REVmc (revision) to Sponsor Ballot</td>
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<td>MI Motion - Delegate resolution of the P802.11REVmc sponsor ballot comments to the 802.11 WG chair.</td>
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<td>IEEE P802.15.4 Revision to Sponsor Ballot (conditional)</td>
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<td>IEEE P802.15.3e High-rate close proximity point-to-point communications PAR to NesCom</td>
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<td>Withdrawal of IEEE P802.16r (Small Cell Backhaul) to NesCom <a href="https://mentor.ieee.org/802.16/dcn/15/15-0013.pdf">https://mentor.ieee.org/802.16/dcn/15/15-0013.pdf</a></td>
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<td>IEEE 802.21d to RevCom</td>
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<td>Executive Committee Study Groups, Working Groups, TAGs</td>
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<td>IEEE 802.24</td>
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<td>MI</td>
<td>IEEE 802 Privacy Recommendations EC Study Group (2nd Extension)</td>
<td>Zuniga</td>
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<td>ME</td>
<td>IEEE 802.1</td>
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<td>IEEE 802.1 Local MAC Address (1st Extension)</td>
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<td>IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group (1st Extension)</td>
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<td>IEEE 802.111 1. Next Generation Positioning Study Group (1st Extension)</td>
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<td>IEEE 802.112, Next Generation 60 GHz Study Group (2nd extension)</td>
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<td>IEEE 802.19 Coexistence in Unlicensed Bands Study Group (1st Extension)</td>
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<td>LMSC Liaisons and External Interface</td>
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<td>802.1 to MEF regarding YANG</td>
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<td>802.1 to ITU-T SG15 regarding LS224 on PTP over LAG</td>
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<td>II</td>
<td>802.1 to IEEE 1904.3</td>
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<td>802.1 to CPRI cooperation, 1904.3, ITU-T SG15, ITU-R WP5, MEF regarding fronthaul</td>
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<td>II</td>
<td>Liaison letter to ITU-T SG5: New Recommendations related to Ethernet port protection</td>
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<td>7.033</td>
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<td>Liaison letter to ITU-T SG15: Optical Transport Networks and Technologies (OTNT) Standardization Work Plan</td>
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<td>7.034</td>
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<td>Liaison letter to ISO/IEC JTC1 SC6: IEEE P802.3 (IEEE 802.3bx) initial sponsor ballot draft</td>
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<td>ME*</td>
<td>Authorize IEEE 802.3 Industry Connections NG-EPON Report</td>
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<td>7.036</td>
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<td>Liaison letter to ISO/IEC JTC1 SC25: Remote powering</td>
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<td>Liaison letter to ISO/IEC JTC1 SC25: Copper qualification</td>
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<td>Liaison letter to IEC Sc48B: Modular connectors</td>
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<td>Liaison to IEC/ITC1 - 3 Pre-Sponsor Ballot Drafts</td>
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<td>Liaison letter to 3GPP - LAA LBT Categories (Doc #19-15-0026-02-000)</td>
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<td>7.111</td>
<td>ME*</td>
<td>Approval of Press Release - ISO approval of IEEE 802.22 Standard</td>
<td>Mody</td>
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<td>7.112</td>
<td>ME</td>
<td>Motion to forward IEEE Std. 802.22a-2014 and P802.22b Draft 5.0 to the ISO/IEC / JTC1 as an information only document.</td>
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<td>8.01</td>
<td>II</td>
<td>IEEE 802 / SA Task Force Report</td>
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<td>II</td>
<td>IEEE SA Staff Reports</td>
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<td>802 / JTC1 SC Report</td>
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<td>05:28 PM</td>
<td>Regulatory report</td>
<td>Lynch</td>
</tr>
<tr>
<td>8.04</td>
<td>05:32 PM</td>
<td>Officers Reports</td>
<td></td>
</tr>
<tr>
<td>8.041</td>
<td>05:32 PM</td>
<td>1st Vice Chair Report</td>
<td>Thaler</td>
</tr>
<tr>
<td>8.042</td>
<td>05:32 PM</td>
<td>2nd Vice Chair Report</td>
<td>Gilb</td>
</tr>
<tr>
<td>8.043</td>
<td>05:32 PM</td>
<td>Treasurer's Report</td>
<td>Rosdahl / Chaplin</td>
</tr>
<tr>
<td>8.044</td>
<td>05:36 PM</td>
<td>Executive secretary report</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>8.045</td>
<td>05:36 PM</td>
<td>Recording Secretary Report</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>8.046</td>
<td>05:38 PM</td>
<td>Appeals report -No items to report</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>8.047</td>
<td>05:38 PM</td>
<td>Historical Financial Data</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>8.05</td>
<td>05:38 PM</td>
<td>Network Services report</td>
<td>Alfvin</td>
</tr>
<tr>
<td>8.06</td>
<td>05:43 PM</td>
<td>Announcement of 802 EC Interim Telecon (Tuesday 2 Jun 2015, 1-3pm ET)</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>8.07</td>
<td>05:43 PM</td>
<td>Call for Tutorials for Jul 2015 Plenary (Monday, July 13, 2015)</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>8.08</td>
<td>05:43 PM</td>
<td>Review of Action Items</td>
<td>Nikolich / D'Ambrosia</td>
</tr>
<tr>
<td>10.00</td>
<td>05:58 PM</td>
<td>ADJOURN SEC MEETING</td>
<td>Nikolich</td>
</tr>
</tbody>
</table>

06:00 PM
Nikolich presented the following slides.

Nikolich congratulated all of the WG’s for a productive plenary.

Nikolich announced his candidacy for the BoG

3.00 Chair’s Announcement

• Chair’s opening remarks
  – Highly productive session, nice work all
  – Busy closing agenda, be prepared, let’s be efficient!

  – Nikolich a candidate in the 2016/17 BoG election

3.01 Chair Announcement

EC Action Item recap

• Open Action Items from March 2014 Plenary
  – Item 3.1 Gilb - Review rules regarding endorsement / affiliation letter requirements for temporary appointments. Status – No action at this time. Language to be provided by March 2015.
  – Item 4.03 Thaler - Develop a process to capture EC approved CSDs and make publicly available for easy review. Status - Email proposal sent to reflector prior to meeting. Action Item: Thaler / DAmbrosia to define process and webpage. Under discussion, complete March 2015.

• Open Action Items from Feb 2015 telecon
  – From NOV2014 plen Item 9.00 Gilb-Thompson to conduct EC email ballot on proposed liaison to P2-413 0sl for an Architectural Framework for IOT. Due March 2015

• Open Action Items from March 2015 Plenary
  – To be at the end of this meeting
Action Item review

Item 3.1 deferred until June EC Conference Call

Item 4.03 – update at June EC Conference Call

Action Items from Feb 2015 telecon - closed
F4.01 Request for July 2015 Commemorative Badge-holders

Whereas IEEE 802.11 is celebrating the 25th Anniversary during the July 2015 Plenary
Move to authorize the purchase of a commemorative badge-holder for attendees at the July Plenary, upto 800 items at a cost not to exceed a cost of $4 each ($3200.00).

Move: Jon Rosdahl
2nd: Adrian Stephens

* Motion #2  Move to authorize the purchase of a commemorative badge-holder for attendees at the July Plenary, upto 800 items at a cost not to exceed a cost of $4 each ($3200.00).
Moved Rosdahl
Second Stephens
Results 12-0-0
Motion Passes
Reference Agenda Item #4.01
Nikolich presented the following slide –

4.02 Confirmation of 802.24 TAG Chair

- Election results
  - TAG elected Tim Godfrey *INSERT RESULT*

- EC Motion
  - The 802 Sponsor confirms the election of Tim Godfrey as the 802.24 Chair
    - Moved _____, Seconded _____
    - Result ___App, ___Dis, ___Abs

Recording Secretary confirmed endorsement / affiliation paperwork received.

Results of 802.24 vote were: 6/0/0

<table>
<thead>
<tr>
<th>* Motion #3</th>
<th>The 802 Sponsor confirms the election of Tim Godfrey as the 802.24 Chair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Marks</td>
</tr>
<tr>
<td>Second</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>Agenda Item #4.02</td>
</tr>
</tbody>
</table>

Mr. Godfrey, with no objections from the EC was asked to sit at the EC table for this meeting.
Changing Monday morning closing time from 9:30am to 10am

| * Motion #4 | Start the Monday EC meeting at Plenary Sessions at 8am and end it at 10am |
| Moved       | Heile |
| Second      | Rosdahl |
| Results     | 13-0-0 |
| Motion      | passes |
| Reference   | Agenda Item 4.03 |
Establish a procedure defining ballot closing deadline

Law presented the following slides.

ME: Close of ballot time

---

Close of ballot time

Motion

In support of the global participation in IEEE 802 and the IEEE-SA strategic goal of expanded global presence the IEEE 802 LAN/MAN Sponsor Committee requests that the IEEE-SA changes the requirement found in subclause 5.4.3.1 'Ballot term' of the IEEE-SA Standards Board Operations manual with respect to the close time to be based on UTC instead of ET.

IEEE 802 further request that when this change is implemented, all other myProject times are updated to be based on UTC instead of ET.

IEEE 802 appoints David Law to submit this request to the IEEE-SA Standards Board Procedures Committee on its behalf.

5.4.3.1 Ballot term

Each ballot in the standards balloting process shall close at 11:59 p.m. ET - 23:59 UTC-15 on the closing date specified on the ballot.

\textit{UTC is Coordinated Universal Time, ET is the time in New York City, New York, USA.}

M: Law S: D’Ambrosia

Y: ??, N: ??, A: ??

---
In support of the global participation in IEEE 802 and the IEEE-SA strategic goal of expanded global presence the IEEE 802 LAN/MAN Sponsor Committee requests that the IEEE-SA changes the requirement found in subclause 5.4.3.1 ‘Ballot term’ of the IEEE-SA Standards Board Operations manual with respect to the close time to be based on UTC instead of ET.

IEEE 802 further request that when this change is implemented, all other myProject times are updated to be based on UTC instead of ET. IEEE 802 appoints David Law to submit this request to the IEEE-SA Standards Board Procedures Committee on its behalf.

5.4.3.1 Ballot term
Each ballot in the standards balloting process shall close at 23.59 UTC-124 on the closing date specified on the ballot

4 UTC is Coordinated Universal Time.

Moved: Law
Second: D'Ambrosia
Results: 10-2-1
Motion: Passes
Reference: Agenda Item #4.04
Motion to approve a Site visit for Bob Heile and Rick Alfvin to visit K-L and Singapore for the purpose of a Site Inspection, with the cost to not exceed an additional $2000.

Moved: Jon Rosdahl
Second: James Gilb

Motion Passes

Reference: Agenda Item #4.05
Move to approve a Site visit for Jon Rosdahl, Rick Alfin and Dawn Slykhouse to visit the Venetian Macao in Macao, China to conduct a site visit and meeting preparation meetings with the cost not to exceed an additional $5000.00

Motion Site Visit #2
Whereas Jon Rosdahl and Rick Alfin are going to be in Thailand, Bangkok in September for 802 Wireless Interim,
Whereas the 2016 March Plenary is at the Venetian Macao, Macao, China
Move to approve a Site visit for Jon Rosdahl, Rick Alfin and Dawn Slykhouse to visit the Venetian Macao in Macao, China to conduct a site visit and meeting preparation meetings with the cost not to exceed an additional $5000.00
Moved: Adrian Stephens
2nd:

* Motion #7 Move to approve a Site visit for Jon Rosdahl, Rick Alfin and Dawn Slykhouse to visit the Venetian Macao in Macao, China to conduct a site visit and meeting preparation meetings with the cost not to exceed an additional $5000.00
Moved Stephens
Second Law
Results 13-0-0
Motion Passes
Reference Agenda Item #4.06
Motion to set the 802 Hosted Interim 2016 January Atlanta Meeting Fees with the following levels:
- Early-Bird -- $375 (Discounted) -- $575
- Regular Registration -- $575 (Discounted) -- $775
- Onsite/Late Registration -- $775 (Discounted) -- $975

Rosedahl presented following slides
Atlanta, GA - January 2016

Proposed Budget March 2015

- Registration Income: $310,600.00
  - Hotel Credits $55,839.56
  - Registrations 671
- Meeting Expense Estimate: $373,911.09
  - AV $34,700.00
  - Financial Fees $25,600.51
  - Food & Beverage $81,373.75
  - Meeting Planner $77,207.00
  - Network Services $67,700.00
  - Social $0
  - Shipping $6,511.30
  - Misc $11,019.01
  - Foreign Venue Set Aside $69,800.00
  - Get 802 Attendee fee $0
- Surplus/(Deficit): ($4,352.00)
- Average cost per attendee $557.24

802 Hosted Interim 2016 January Atlanta Meeting Fee

Motion to set the 802 Hosted Interim 2016 January Atlanta Meeting Fees with the following levels:

- Early-Bird -- $375 (Discounted) -- $575 (No Hotel)
- Regular Registration -- $575 (Discounted) -- $775 (No Hotel)
- Onsite/Late Registration -- $775 (Discounted) -- $975 (No Hotel)

Moved: Jon Rosdahl
2nd: Bob Heile
**Motion #8**  
Motion to set the 802 Hosted Interim 2016 January Atlanta Meeting Fees with the following levels:  
- Early-Bird -- $375 (Discounted) -- $575  
- Regular Registration -- $575 (Discounted) -- $775  
- Onsite/Late Registration -- $775 (Discounted) -- $975  

<table>
<thead>
<tr>
<th>Moved</th>
<th>Rosdahl</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second</td>
<td>Heile</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>4.07</td>
</tr>
</tbody>
</table>

| 4.08 | MI | Motion: IEEE 802 EC appoints Adrian Stephens to IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in Belgium in May 2015 | D'Ambrosia | 3 | 01:46 PM |

**Motion #9**  
IEEE 802 EC appoints Adrian Stephens to IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in Belgium in May 2015  

<table>
<thead>
<tr>
<th>Moved</th>
<th>D'Ambrosia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second</td>
<td>Mody</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-1</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>Agenda Item #4.08</td>
</tr>
</tbody>
</table>
### Motion #10

IEEE 802 EC approves that the IEEE 802 HoD to the SC6 meeting in May 2015 be authorized to:
- Appoint the IEEE 802 delegation
- Approve any necessary submissions
- Call any necessary preparation teleconferences

- **Moved**: D'Ambrosia
- **Second**: Rosdahl
- **Results**: 12-1-0
- **Motion**: Passes
- **Reference**: Agenda Item #4.09

---

### Motion #11

IEEE 802 EC approves sending IEEE_802_WG_PandP_v17.2.doc to AudCom for review.

- **Moved**: Gilb
- **Second**: Rosdahl
- **Results**: 13-0-0
- **Motion**: Passes
- **Reference**: See Item #4.10

---

Gilb presented slides from Doc EC 14-0087-04. Due to in-meeting editing – Gilb saved presentation as -05

See attachment ec-14-0087-05-00EC-overview-of-proposed-wg-p-p-changes.pdf
Lynch presented following slides

March 2015

802.18 Motion

- Believing that the report in document 11-15/0347r0 represents the work of the DSRC Coexistence Tiger Team with the removal of Section 11 and add to the front matter that there was no consensus, forward it to the EC for its approval and submittal to the FCC.

- Moved by: Rich Kennedy
- Seconded by: Petere
- Discussion?
- Vote: 8/1/2

March, 2015

EC Motion

- The RR-TAG approved and is submitting to the EC for their approval one document describing the work done in the IEEE802.11 DSRC Tiger Team.
  - Move to approve document 18-15/0016r1 providing a view of the work done in the IEEE802.11 DSRC Tiger Team with the cover letter as contained in Document 18-15/0018r1 and submit it to the FCC. The Chair of 802 is authorized to make editorial changes as necessary
  - EC proposed: Lynch Second: Mody
  - Vote:  XX Yes  XX No  XX Abstain
* Motion #12  The RR-TAG approved and is submitting to the EC for their approval one document describing the work done in the IEEE802.11 DSRC Tiger Team.
  - Move to approve document 18-15/0016r1 providing a view of the work done in the IEEE802.11 DSRC Tiger Team with the cover letter as contained in Document 18-15/0018r1 and submit it to the FCC. The Chair of 802 is authorized to make editorial changes as necessary

Moved: Lynch
Second: Mody

Results: 12-0-0
Motion Passes
Reference: See Item #7.071

After the presentation of the two slides, there were questions about the referenced documents. Vijay Aluk objected to being named 2nd on the 802.18 motion. Rich Kennedy attempted to clarify the situation, but challenges to the explanation resulted in additional confusion. After 15 minutes of discussion and further questions, additional time was needed to assemble accurate factual information for consideration by the EC.

* Motion #13  Motion to table Motion #12
Moved: Law
Second: D'Ambrosia
Results: 12-0-0
Motion Passes
Reference: See Item #7.071
Zuniga presented the following slides. File - https://mentor.ieee.org/privecsg/dcn/15/privecsg-15-0015-00-ecsg-march-plenary-meeting-closing-report.pptx

IEEE 802 EC Privacy Recommendation SG
Closing Report

802 Plenary Meeting
March 9-13, 2015

Juan Carlos Zuniga, InterDigital Labs
(EC SG Chair)

March 2015 F2F Meeting

• Venue
  – Estrel Hotel and Conference Center,
    Berlin, Germany

• 2 Sessions – ECC 4 meeting room, Conference
  Center, 2nd level
  – Tuesday, March 10th, 19:30 – 21:30 (EVE)
  – Thursday, March 12th, 08:00 – 10:00 (AM1)
IEEE 802 Privacy Recommendation PAR/CSD

- PAR/CSD pre-circulated with 802 EC
  - PAR/CSD Presentation
  - PAR Text

IEEE 802 Privacy Recommendation PAR/CSD

- Received comments

- Response to PAR CSD comments
IEEE Privacy EC SG Closing Report

• PAR submission
  – Withdrawn from 802 EC closing agenda – some comments require further consideration by the group
  – Planning to refine text, especially with respect to intended audience for the recommended practices document
  – Will continue discussions on mailing list

• Study Group extension
  – Planning to request extension for one more cycle

Technical Presentations

• Max Riegel (Nokia Networks)
  – Initial thoughts about privacy aspects on P802.1CF specification
    – https://mentor.ieee.org/omniran/dcn/15/omniran-15-0015-00-CF00-privacy-engineered-access-network.pptx

• Antonio de la Oliva (UC3M)
  – MAC address randomization experiment being run on IEEE 802 network during Berlin plenary meeting:
MAC Randomization Trial

- MAC address randomization experiment run on IEEE 802 wireless network during Berlin plenary meeting

- [Strong support from Verlan and Warren Kumari (Google)]
- More info available at the trial Wiki page: http://goo.gl/eFUM9h

Proposed Next Steps

- Refine PAR/CSD on recommended privacy practices for IEEE 802 protocols

- Continue call for proposals to discuss technical topics
  1. Threat Model for Privacy at Link Layer
  2. Privacy Issues at Link Layer
  3. Proposals regarding functionalities in IEEE 802 protocols to improve Privacy
  4. Proposals regarding measuring levels of Privacy on Internet protocols
  5. Implications of MAC address changes
  6. Other...
Future Plans

- Upcoming meetings (if SG is renewed)
  
  - Teleconferences
    - 15 April 2015, (10:00 AM ET)
    - 3 June 2015, (10:00 AM ET)
      - PAR/CSD submission
    - 1 July 2015, (10:00 AM ET)
  
  - 13-17 July, 2015, IEEE 802 Plenary meeting in Waikoloa, HI, USA
Parsons presented the following slides

5.021 - 802c PAR – supporting info

- Amendment: Local Media Access Control (MAC) Addressing
- Local Address SG met at interim and plenary to discuss PAR
- PAR pre-circulated to EC as per P&P
- Comments from 802.3, 802.11, Paul Nikolich & Roger Marks were received and answered
- Updated PAR & CSD were posted

5.021 - MOTION

- EC approves the CSD for 802c and forwards the 802c PAR to NesCom.
- WG proposed: Haddock Second: Thaler
- For__27__Against__0__Abstain__1__
- EC proposed: Parsons Second: Thaler
- For____Against____Abstain_____
<table>
<thead>
<tr>
<th>Motion #14</th>
<th>EC approves the CSD for 802c and forwards the 802c PAR to NesCom.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
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<th>Parsons</th>
</tr>
</thead>
<tbody>
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<td>Second</td>
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</tr>
<tr>
<td>Results</td>
<td>11-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.021</td>
</tr>
</tbody>
</table>
Parsons presented following slides

### 5.022 - .1ASbt PAR – supporting info

- Timing and Synchronization for Time-Sensitive Applications
  - Amendment: Enhancements and performance improvements.

- PAR withdrawal circulated to EC as per P&P

- Rationale
  - With the approval of the P802.1AS revision, the content of this amendment has been moved to be part of the revision project. As a result, a separate amendment is no longer needed.

### 5.022 - MOTION

- EC approves to withdraw the PAR for P802.1ASbt

- WG proposed: Messenger Second: Gray
- For__27__Against__0__Abstain__0__

- EC proposed: Parsons Second: Thaler
  - For____Against___Abstain____
<table>
<thead>
<tr>
<th>Motion #15</th>
<th>EC approves to withdraw the PAR for P802.1ASbt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>10-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.022</td>
</tr>
</tbody>
</table>
Parsons presented the following slides.

5.024 - .1Qci PAR – supporting info

- Bridges and Virtual Bridged LANs Amendment: Per-Stream Filtering and Policing
- PAR pre-circulated to EC as per P&P
- Comments from 802.3 & Paul Nikolich were received and answered
- Updated PAR & CSD were posted

5.024 - Motion

- EC approves the CSD and forwards the P802.1Qci PAR to NesCom.
- WG proposed: Tony Jeffree  Second: Norm Finn
- For ____30____ Against____0____  Abstain ____0____

- EC proposed: Parsons  Second: Thaler
- For____ Against___ Abstain____
<table>
<thead>
<tr>
<th>Motion #16</th>
<th>EC approves the CSD and forwards the P802.1Qci PAR to NesCom.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Moved</th>
<th>Parsons</th>
</tr>
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<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.024</td>
</tr>
</tbody>
</table>
5.025 - 1Qcj PAR – supporting info

- Bridges and Virtual Bridged LANs Amendment: Automatic Attachment to Provider Backbone Bridging (PBB) services
- PAR pre-circulated to EC as per P&P
- Comments from 802.3 & 802.11 were received and answered
- Updated PAR & CSD were posted

5.025 - Motion

- EC approves the CSD and forwards the P802.1Qcj PAR to NesCom.
- WG proposed: Haddock Second: Romascanu
- For __27___ Against __0___ Abstain __2___

- EC proposed: Parsons Second: Thaler
- For____ Against___ Abstain____
<table>
<thead>
<tr>
<th><em>Motion #17</em></th>
<th>EC approves the CSD and forwards the P802.1Qcj PAR to NesCom.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Parsons</td>
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<tr>
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<tr>
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<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.025</td>
</tr>
</tbody>
</table>
Parsons presented the following slides

---

**5.026 - P802.1AS/Cor2 ballot stats**

- WG Ballot closed 11th January

<table>
<thead>
<tr>
<th>Category</th>
<th>Total</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>25</td>
<td>100.00%</td>
</tr>
<tr>
<td>No</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>Abstain</td>
<td>8</td>
<td>24.24%</td>
</tr>
<tr>
<td>No. of Voters</td>
<td>55</td>
<td>100.00%</td>
</tr>
<tr>
<td>Voters responding</td>
<td>33</td>
<td>60.00%</td>
</tr>
</tbody>
</table>

- No outstanding "No" votes or must be satisfied comments.

---

**5.026 - MOTION**

- 802.1 requests EC approval to forward 802.1AS/Cor2 D2.0 to Sponsor Ballot.

- Proposed:  Messenger Second: Gray
- For_26__Against_0__Abstain_0__

- EC proposed: Parsons Second:
- For___Against___Abstain___

Note: there is no CSD as this is a corrigendum.
<table>
<thead>
<tr>
<th>Motion #18</th>
<th>802.1 requests EC approval to forward 802.1AS/Cor2 D2.0 to Sponsor Ballot.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>Results</td>
<td>10-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.026</td>
</tr>
</tbody>
</table>
Parsons presented the following slides.

### 5.027 - P802.1Qca ballot stats

- **WG Ballot closed 2\textsuperscript{nd} March**

  - **Results:**
    - Category | Total | Percentage
    - Yes | 24 | 100.00%
    - No | 0 | 0.00%
    - Abstain | 10 | 29.41%
    - No. of Voters | 55 | 100.00%
    - Voters responding | 34 | 61.81%

  - No outstanding "No" votes or must be satisfied comments.
    - Out of scope editorial comments deferred to sponsor ballot

### 5.027 - MOTION

- **EC confirms the 5C:**

- **And approves to forward 802.1Qca D1.4 to Sponsor Ballot.**

- **WG Proposed:** Haddock Second: Farkas
- **For\_27\_Against\_0\_Abstain\_1\_**

- **EC proposed:** Parsons Second:
- **For\_Against\_Abstain\_**
* Motion #19  
EC confirms the 5C:  
And approves to forward 802.1Qca D1.4 to Sponsor Ballot.  

<table>
<thead>
<tr>
<th>Moved</th>
<th>Parsons</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.027</td>
</tr>
</tbody>
</table>
Parsons presented the following slides.

**5.028 - P802.1Qbv ballot stats**

- **WG Ballot recirc D2.2 closed 6th March**
- **Results:**
  - Category | Total | Percentage
  - Yes      | 20    | 90.91%
  - No       | 2     | 9.09%
  - Abstain  | 15    | 40.54%
  - No. of Voters | 55 | 100.00%
  - Voters responding | 37 | 67.27%
- Two outstanding "No" votes or must be satisfied comments.
  - Karl Weber ([comments 6,7,8](#))
  - Marcel Kiessling ([comments 31,32](#))
  - Commentors have not indicated agreement with resolutions yet
- **Schedule**
  - 2nd WG ballot recirc - initiate week Mar 23rd
  - Ballot resolution - May 19th interim
  - 3rd WG ballot recirc only if necessary
5.028 - Outstanding Comments

Karl Weber

5.028 - MOTION

- EC confirms the 5C:

- And conditionally approves to forward 802.1Qbv Scheduled Traffic to Sponsor Ballot.

- WG Proposed:  Messenger  Second:  Jeffree
- For_33__Against_0__Abstain_0__

- EC proposed:  Parsons  Second:
- For____Against____Abstain____
<table>
<thead>
<tr>
<th>* Motion #20</th>
<th>EC confirms the 5C:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>And conditionally approves to forward 802.1Qbv Scheduled Traffic to Sponsor Ballot.</td>
</tr>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.028</td>
</tr>
</tbody>
</table>
5.029 - P802.1Qbz ballot stats

- WG Ballot D1.5 closed 5th January
- Results:
  - Category  Total  Percentage
  - Yes       12     80%
  - No        3     20%
  - Abstain   18    54%
  - No. of Voters 55   100%
  - Voters responding 33   59%
- Schedule
  - 1st WG ballot recirc - initiate week Mar 23rd
  - Ballot resolution - May 19th interim
  - 2nd WG ballot recirc only if necessary

5.029 - Outstanding Comments

- Three outstanding "No" votes or must be satisfied comments.
  - Jessy Rouyer – no must be satisfied comments
  - Dan Romascanu – comment 40
  - Mick Seaman – comments 5,6,7,8,10,11,12,13,14,15
  - Mark Hamilton (802.11 member) – comments 20,21,22,23,24,27,28,29
  - Commentors have indicated they are satisfied with the comment resolutions
5.029 - MOTION

- EC confirms the 5C:

- And conditionally approves to forward 802.1Qbz Enhancements to Bridging of 802.11 Media to Sponsor Ballot.

- WG Proposed: Messenger Second: Finn
  - For_26___Against_0___Abstain_1___

- EC proposed: Parsons Second:
  - For____Against___Abstain_____

* Motion #21

Moved Parsons
Second Thaler
Results 13-0-0
Motion Passes
Reference See Item #5.029
Law presented the following slides

5.031 ME: New PAR: IEEE P802.3bz
2.5 Gb/s and 5 Gb/s Ethernet
IEEE P802.3bz 2.5 Gb/s and 5 Gb/s Ethernet PAR and CSD responses

Scope of project
This amendment defines Ethernet Media Access Control (MAC) parameters, physical layer specifications, and management objects for the transfer of Ethernet format frames at 2.5 Gb/s and 5 Gb/s over balanced twisted pair transmission media used in structured cabling.

Need
There is a need for greater than 1 Gb/s Ethernet connectivity over structured twisted pair wiring to serve existing and growing needs of IEEE 802.11ac based enterprise wireless access points. Availability of 2.5 Gb/s and 5 Gb/s signaling technologies enables interconnect solutions for enterprise wireless access points to switch applications to be served over structured Cat5e or better twisted pair cabling.

Draft PAR
http://ieee802.org/3/NGEBASET/P802_3bz_PAR_Detail_110315_ver_1.pdf

Draft CSD responses
The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bz CSD responses and forwards the IEEE P802.3bz PAR to NesCom

M: Law  S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes on approval of individual items:
- Project Authorization Request: Y: 65, N: 0, A: 16
- Project process requirements: Y: 68, N: 0, A: 11
- Compatibility criterion: Y: 72, N: 0, A: 10
- Distinct Identity criterion: Y: 60, N: 1, A: 15
- Technical Feasibility criterion: Y: 69, N: 0, A: 11
- Economic Feasibility criterion: Y: 56, N: 3, A: 15

* Motion #22
The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bz CSD responses and forwards the IEEE P802.3bz PAR to NesCom
Moved
Law
Second
D'Ambrosia
Results
13-0-0
Motion
Passes
Reference
See Item #5.031
Law presented the following slides and showed the attached file (IEEE_802.3bw_unresolved_negative_comments.pdf).

**5.033 ME: IEEE P802.3bw 100BASE-T1 to Sponsor ballot (conditional)**

**Item 1: Date the ballot closed**

The 1st Working Group recirculation ballot on IEEE P802.3bw draft D1.3 closed on 4th March 2015 at 23:59 AOE

**Item 2: Vote tally**

<table>
<thead>
<tr>
<th></th>
<th>Initial Draft D1.2</th>
<th>1st Recirculation Draft D1.3</th>
<th>Req %</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td># % Status</td>
<td># % Status</td>
<td></td>
</tr>
<tr>
<td>Abstain</td>
<td>35  24 PASS</td>
<td>37  25 PASS</td>
<td>&lt; 30</td>
</tr>
<tr>
<td>Disapprove with comment</td>
<td>14 - -</td>
<td>3 - -</td>
<td>-</td>
</tr>
<tr>
<td>Disapprove w/o comment</td>
<td>0 - -</td>
<td>0 - -</td>
<td>-</td>
</tr>
<tr>
<td>Approve</td>
<td>97  87 PASS</td>
<td>109 97 PASS</td>
<td>≥ 75</td>
</tr>
<tr>
<td>Ballots returned</td>
<td>146 55 PASS</td>
<td>149 56 PASS</td>
<td>&gt; 50</td>
</tr>
<tr>
<td>Voters</td>
<td>266 - -</td>
<td>266 - -</td>
<td>-</td>
</tr>
<tr>
<td>Comments</td>
<td>650* - -</td>
<td>86 - -</td>
<td>-</td>
</tr>
</tbody>
</table>

* Count includes 7 comments received after ballot closed that Task Force decide to consider
IEEE P802.3bw 100BASE-T1 to Sponsor ballot (conditional)

Item 3: Comments that support the remaining disapprove votes and WG responses
7 unresolved negative comments from 3 commenters
See attached file 'IEEE_802.3bw_unresolved_negative_comments.pdf'

Item 4: Recirculation ballot and resolution meeting schedule
2nd Working Group recirculation ballot open date 18th March 2015
2nd Working Group recirculation ballot close date 1st April 2015
IEEE P802.3bw Interim meeting date 9th April 2015
3rd Working Group recirculation ballot open date 12th April 2015
3rd Working Group recirculation ballot close date 26th April 2015
IEEE P802.3bw interim meeting week of 18th May 2015

Note: 3rd Working Group recirculation ballot only if required

IEEE P802.3bw 100BASE-T1 to Sponsor ballot (conditional)

Motion
The IEEE 802 LMSC Executive Committee confirms the
IEEE 802.3bw 100BASE-T1 CSD available at the URL
and grants conditional approval to forward IEEE P802.3bw to Sponsor ballot

M: Law  S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 91, N: 0, A: 12
* Motion #23  The IEEE 802 LMSC Executive Committee confirms the IEEE 802.3bw 100BASE-T1 CSD available at the URL http://ieee802.org/3/bw/public/20140528_CSD_IEEE802_3bw.pdf and grants conditional approval to forward IEEE P802.3bw to Sponsor ballot

Moved  Law
Second  D'Ambrosia
Results  13-0-0
Motion  Passes
Reference  See Item #5.033

**  Break

Break at 3:00pm
Reconvened at 3:10pm
Law showed the following slides and showed the attached file (IEEE_802.3bx_unresolved_negative_comments.pdf).

5.034 ME: IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot

Item 1: Date the ballot closed
The 1st Working Group recirculation ballot on IEEE P802.3 (IEEE 802.3bx) draft D2.1 closed on 21st February 2015 at 23:59 AOE

Item 2: Vote tally

<table>
<thead>
<tr>
<th></th>
<th>Initial Draft D1.2</th>
<th>1st Recirculation Draft D1.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstain</td>
<td>32 / 20 PASS</td>
<td>33 / 20 PASS &lt; 30</td>
</tr>
<tr>
<td>Disapprove w/ comment</td>
<td>7 / -</td>
<td>2 / -</td>
</tr>
<tr>
<td>Disapprove w/o comment</td>
<td>0 / -</td>
<td>0 / -</td>
</tr>
<tr>
<td>Approve</td>
<td>121 / 94 PASS</td>
<td>129 / 98 PASS ≥ 75</td>
</tr>
<tr>
<td>Ballots returned</td>
<td>160 / 59 PASS</td>
<td>164 / 61 PASS ≥ 50</td>
</tr>
<tr>
<td>Voters</td>
<td>267 / -</td>
<td>267 / -</td>
</tr>
<tr>
<td>Comments</td>
<td>85 / -</td>
<td>3 / -</td>
</tr>
</tbody>
</table>

* Count includes 7 comments received after ballot closed that the Task Force decide to consider
IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot

Comments that support the remaining disapprove votes and WG responses
4 unresolved negative comments from 2 commenters
See attached file 'IEEE_802.3bx_unresolved_negative_comments.pdf'

---

IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot

Motion

The IEEE 802 LMSC Executive Committee grants approval to forward IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot

M: Law  S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group vote
Y: 106, N: 0, A: 5
<table>
<thead>
<tr>
<th>Motion #24</th>
<th>The IEEE 802 LMSC Executive Committee grants approval to forward IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Law</td>
</tr>
<tr>
<td>Second</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.034</td>
</tr>
</tbody>
</table>
Time: Approximately 3:30pm

**Motion #25**
Move to raise from the Table Motion #12. reference Item# 7.071
Moved Chair
Second Chair
Results
Motion No objections
Reference See Item #5.033

| 7.071 | ME | Liaison DSRC Report to FCC (Doc #18-15-0015-02-0000) | Lynch | 15 | 02:12 PM |

**Motion #12**
Move to approve document 18-15/0016r1 providing a view of the work done in the IEEE802.11DSRC Tiger Team with the cover letter as contained in Document 18-15/0018r1 and submit it to the FCC. The Chair of 802 is authorized to make editorial changes as necessary.
Moved Lynch
Second Mody
Results
Motion Directed to Email Ballot by Chair
Reference See Item #7.071

Challenges regarding the accuracy of the documents referred in the revised motion continues. Shellhammer wished to amend the motion. Confusion continues, the 802 Chair directs the Lynch to conduct an EC email ballot on the item with accurate background information. Upon reflection the Chair gives the instruction the EC ballot be conducted, if it fails, then Shellhammer may request the conduct of another EC email ballot to (hopefully) reach consensus.
Stephens presented the following slides.

March 2015  

Next Generation 60 GHz to NesCom

Motion

- Approve sending the PAR in the PAR document cited below for P802.11ay to NesCom
- And confirm the PAR and 5C cited below
  - PAR document: https://mentor.ieee.org/802.11/dcn/14/11-14-1151-08-ng60-ng60-proposed-par.docx
  - 5C document: https://mentor.ieee.org/802.11/dcn/14/11-14-1152-08-ng60-ng60-proposed-csd.docx
  - In the WG: PAR approval motion: 119-0-6; 5C approval motion 116-0-7:

- Moved: Adrian Stephens
- Seconded: Jon Rosdahl
- Result:
NG60 PAR Scope

• Supporting a maximum throughput of at least 20 Gbps
  – Throughput is measured at the MAC data service access point
  – Expected to provide improvements of over 3 times

• Maintaining or improving the power efficiency per station

• Indoor and outdoor operations in license-exempt bands above 45 GHz

• Enabling backward compatibility and coexistence with legacy directional multi-gigabit devices (defined by IEEE 802.11ad-2012 amendment) operating in the same band

Need for the Project

• Increasing demand for capacity and new applications are driving the desire to enhance throughput of 802.11ad to support these needs
  – Enterprise, residential, operator hotspots, public scenarios
  – Video traffic is expected to be the dominant type of traffic in WLAN deployments, e.g., media appliances are moving to UHD content, driving a ten fold increase in storage capacity and bandwidth requirements
  – Lot of industry interest in fronthaul and backhaul communication using 60 GHz

• Better support of real-time applications
  – WLAN users demand improved performance (including throughput and power efficiency) in delivering their real-time applications
  – Operators expect sufficient user experience to offload traffic on WLAN
Usage environments

- Environments discussed in the study group include:
  - Crowded public spaces, e.g., airports, shopping mall, train stations
  - Enterprise and small offices
  - Data center
  - Home
  - Outdoor hotspots

New and enhanced applications

- Applications discussed in the study group include:
  - Augmented reality and virtual reality
  - Close-reality and interactive gaming
  - Indoor backhaul with multi-hops (e.g., in data centers)
  - Mass data distribution/video on demand systems in public spaces
  - Mobile fronthauling
  - Mobile offloading
  - Video distribution and streaming at home (e.g., 3D UHD, 8K UHD)
  - Wireless backhauling
Technical Feasibility

- The principle of scaling the IEEE 802.11 PHY and MACs to higher throughput is well established by previous amendments, such as IEEE 802.11ac-2014 and IEEE 802.11ad-2012

- NG60 builds on the broad knowledge base and system design experience of IEEE 802.11ad devices.
  - For example, NG60 will consider MIMO and channel bonding that not only significantly improve throughput, but also allow reuse of technologies and testing being used in the previous amendments.

Distinct Identify and Compatibility

- NG60 is different from other IEEE 802 wireless standards/projects in that it is specific for 802.11 WLANs and aims to provide data rates in excess of 20 gigabits per second for point-to-point and point-to-multipoint indoor and outdoor usages for license-exempt bands above 45 GHz.

- NG60 will ensure coexistence and backwards compatibility with IEEE 802.11ad, thus creating a solution compatible with existing IEEE 802.11 deployments.

- Coexistence with other systems for license-exempt bands above 45 GHz will be evaluated and documented in Coexistence Assurance document.
**Motion #26**

- Approve sending the PAR in the PAR document cited below for P802.11ay to NesCom
- And confirm the PAR and 5C cited below
  - PAR document: [https://mentor.ieee.org/802.11/dcn/14/11-14-1151-08-ng60-ng60-proposed-par.docx](https://mentor.ieee.org/802.11/dcn/14/11-14-1151-08-ng60-ng60-proposed-par.docx)
  - 5C document: [https://mentor.ieee.org/802.11/dcn/14/11-14-1152-08-ng60-ng60-proposed-csd.docx](https://mentor.ieee.org/802.11/dcn/14/11-14-1152-08-ng60-ng60-proposed-csd.docx)
  - In the WG: PAR approval motion: 119-0-6; 5C approval motion 116-0-7:

<table>
<thead>
<tr>
<th>Moved</th>
<th>Stephens</th>
</tr>
</thead>
<tbody>
<tr>
<td>Second</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.041</td>
</tr>
</tbody>
</table>
Stephens showed the following slide.

![Supporting material](https://mentor.ieee.org/802.11/dcn/15/11-15-0287-06-000m-p802-11revmc-report-to-ec-on-conditional-approval-to-go-to-sponsor-ballot.pdf)

**REVmc Conditional Approval Motion**

- As defined in IEEE LMSC Operations Manual (7 Nov 2014), clause 12, conditionally approve sending IEEE P802.11 (REVmc) to IEEE-SA NesCom.

- **Moved:** Adrian Stephens
- **Seconded:** Jon Rosdahl
- **Result:**

  - In the WG: Moved: Dorothy Stanley, Seconded: Jon Rosdahl. Result: 61-0-0 Passes

<table>
<thead>
<tr>
<th>* Motion #27</th>
<th>As defined in IEEE LMSC Operations Manual (7 Nov 2014), Clause 12, conditionally approve sending IEEE P802.11 (REVmc) to IEEE-SA Sponsor Ballot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Stephens</td>
</tr>
<tr>
<td>Second</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.042</td>
</tr>
</tbody>
</table>
Stephens presented the following slide 28

March 2015        doc.: IEEE 802.11-15/0224r3

**BRC Delegation Motion**

- Delegate resolution of the P802.11 (REVmc) sponsor ballot comments to the 802.11 WG chair.
- Moved: Adrian Stephens
- Seconded: Jon Rosdahl

<table>
<thead>
<tr>
<th>*Motion #28</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Delegates resolution of the P802.11 (REVmc) sponsor ballot comments to the 802.11 WG Chair.</strong></td>
</tr>
<tr>
<td><strong>Moved</strong></td>
</tr>
<tr>
<td><strong>Seconded</strong></td>
</tr>
<tr>
<td><strong>Results</strong></td>
</tr>
<tr>
<td><strong>Motion</strong></td>
</tr>
<tr>
<td><strong>Reference</strong></td>
</tr>
</tbody>
</table>
Heile presented following slides.

Conditional Approval to forward 802.15.4q (Ultra Low Power) to Sponsor Ballot

Initial Ballot closed 17 October 2014
- Vote results (pool of 102 voters)
  - 86 responses (84.3 response ratio)
  - 75 yes, 12 no (85.31 approval ratio)
  - 6 abstain (6.98% abstain ratio)

301 total comments received, 195 “Must Be Satisfied” (62 accepted, 62 rejected, 71 revised)

https://mentor.ieee.org/802.15/dcn/14/15.14-0644-03-004q-p802.15-4q-comment-entry-form.xlsx
Conditional Approval to forward 802.15.4q (Ultra Low Power) to Sponsor Ballot

Recirculation Ballot 1 -closed 10 January, 2015
  • Vote results (pool of 102 voters)
    • 91 responses (89.22% response ratio)
    • 72 yes, 13 no (84.71% approval ratio)
    • 6 abstain (6.59% abstain ratio)

120 total comments received, 104 “Must Be Satisfied” (48 accepted, 34 rejected, 22 revised)


March 2015

Conditional Approval to forward 802.15.4q (Ultra Low Power) to Sponsor Ballot

Recirculation Ballot 2 closed 5 March, 2015
  • Vote results (pool of 102 voters)
    • 94 responses (92.16% response ratio)
    • 77 yes, 11 no (87.5% approval ratio)
    • 6 abstain (6.38% abstain ratio)

216 total comments received, 171 “Must Be Satisfied” (107 accepted, 1 rejected, 13 revised, 50 pending)

Based on the resolutions to date, we have one NO voter representing 83 comments who is willing to vote YES. That will bring us to 88 must be satisfied, 1 reject,13 revised, and 50 pending (of which we anticipate ~40 to be accepted or revised)

https://mentor.ieee.org/802.15/dcn/1515-15-0194-00-004-p802-15-4q-b101-comment-entry-form-combined.xlsx
Heile informed the chair that he would not be requesting conditional approval, as some comments are still being resolved. He did note that he would like to request approval via EC ballot once unconditional approval status has been achieved. He thought this would be by the Vancouver Interim in May 2016.
IEEE P802.15.4 Revision to Sponsor Ballot (conditional)  

Heile presented the following slides.

March 2015  
doc: IEEE 802.15-15-0256-00-0000

802.15.4 Revision

Revision PAR approved by EC 19 July 2013
• PAR submitted under the 48 hour rule, no CSD
• PAR need was to roll up the 5 completed 15.4 amendments and correct known errors
• PAR approved by NesCom on 21 October 2013

Revision draft (DF5)
• 7 approved 15.4 amendments were rolled into the draft
• Numerous errors were corrected
802.15.4 Revision Letter Ballot History

Initial Letter Ballot closed 14 July 2014

- Vote Results (pool of 121 voters)
  - 86 Responses (71%)
  - 65 Yes, 17 no (79% approval ratio)
  - 4 Abstain (5%)
  - Ballot passes

- 863 comments from 24 commenters
  - 461 Must Be Satisfied (175 accepted, 82 rejected, 148 revised)

802.15.4 Revision Ballot History (cont’d)

Recirc-1 closed 4 November 2014

- Final cumulative vote results (pool of 121 voters)
  - 86 Responses (71% response ratio)
  - 69 Yes, 13 no (84% approval ratio)
  - 4 Abstain (4% abstain ratio)
  - Ballot passes

- 224 comments from 13 commenters
  - 128 Must Be Satisfied (33 accepted, 27 rejected, 68 revised)
15.4 Revision Comment from Editorial Coordination Staff

- MEC requested
- No response yet

All Comments Supporting No Votes

- 383 “Must Be Satisfied” comments from 13 negative voters
  - 288 “Must Be Satisfied” comments that were accepted or revised
  - 95 “Must Be Satisfied” comments that were rejected
- 9 “no” voters sent emails to SC maintenance chair changing their votes to “yes”, one “no” voter changed to abstain, resulting in a 95% approval with 3 remaining “no” votes (2 responding, 1 non-responsive)
  - 11 “Must Be Satisfied” comments that were accepted or revised
  - 18 “Must Be Satisfied” comments that were rejected

Comment Resolution Spreadsheet:
- [15-14-0423-43-p802-15-4rev-consolidated-comment-entry-form](http://example.com)
Comments supporting “no” votes (29)

“Must Be Satisfied” Comment Summary:

- 9 comments on “Extended frame formatting”
  - Frame extension for TIA was added but not as per commenter request

- 10 comments on IE descriptor order, i.e. TLV vs. LTV
  - IE format held to LTV to maintain backward compatibility

- 2 comments made concerning security, order of steps and inclusion of state diagrams
  - both proposed changes were done

Comments supporting “no” votes (29)

(cont’d)

“Must Be Satisfied” Comment Summary:

- 5 comments on DSME
  - Commenter believes not correctly specified
  - 3 comments rejected due to technical disagreement and 2 were revised to mitigate the comment

- 1 comment on TRLE
  - Commenter believes not appropriate for standard
  - Rejected, TRLE enhances LECIM operation

- 1 comment on generic PHY
  - Commenter believes not appropriate for standard
  - Rejected, generic PHY serves the utility meter market

- 1 comment on NACK
  - Commenter believes not correctly specified
  - Rejected, buffer information could be helpful to origination node
802.15.4 Revision Schedule for ballot and meetings

- 2nd recirculation
  - 14 March 2015 to 29 March 2015
- BRC comment resolution teleconference
  - 30 March, 1 April, 6 April, 2015
- 3rd recirculation (if necessary)
  - 7 April to 22 April 2015
- BRC comment resolution teleconference
  - 27 April, 2015 (if necessary)

802.15.4 Revision EC motion

Move 802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot pending recirculation
(WG vote 32-0-0)

- Moved: Heile, Seconded: Gilb
- Yes: , No: , Abstain:
<table>
<thead>
<tr>
<th>Motion #29</th>
<th>Move 802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot pending recirculation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Heile</td>
</tr>
<tr>
<td>Second</td>
<td>Gilb</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.052</td>
</tr>
</tbody>
</table>
Heile presented the following slides.

March 2015

802.15.3e PAR to NesCom
Comments and Resolutions

15 Comments Received:
• 7 from 802.3- most significant related to 15.3 Revision Plan
• 8 from 802.11
Comments and Responses can be found in:

March 2015

802.15.3e PAR to NesCom
11ay Comparison

History: 802.15.3 and 802.15.3c (60GHz High Rate PHY) preceded 802.11ad and 802.11ay. 802.15.3e builds on 802.15.3 and 802.15.3c to support a new class of applications in the 802.15.3 family.

Differences wrt 11ay:
• 15.3e has a very focused scope (high data rate closed-proximity applications) whereas the scope of 11ay is much broader. The focused approach yields in a much less complex solution optimized to the needs of this specific class of applications.
• Also, the speeds, use cases, connection model, and spatial density model are completely orthogonal.
  Speeds: 11ay = 20 Gbps,
            15.3e = 100 Gbps
  Use cases: 11ay = higher throughput wireless LAN, cellular offload, wireless docking, wireless display and outdoor/indoor wireless backhaul
  15.3e = rapid large multimedia data downloads and file exchanges between two close proximity devices, i.e. mobile devices, stationary devices (kiosks, ticket gates, etc.), and other wirelessly enabled data storage devices
  Connection model: 11ay = fixed, portable, and moving stations (STAs) within a local area
  15.3e = close proximity (typically 10cm or less), fast setup (2ms or less), and point-to-point.
  Spatial Density: 15.3e proposes to achieve spatial density without beam forming, consistent with the lower complexity theme.

In short, these are very different standards which happen to be using the same unlicensed spectrum. It boils down to the need for a point to point link that is stripped of CSMA, beacons, or anything else to eliminate wasted time. 802.3e can have a high data rate but it has requirements for association times, CSMA delays, beacons overhead, etc which disallow its use for this class of application.

Bob Heile, ZigBee Alliance
Motion to Approve 15.3e PAR and CSD

Move that 802EC approve the 15.3e PAR (802.15/dcn/14/15-14-0715-05) as modified by 802.15/dcn/15/15-15-0229-03 and CSD (802.15/dcn/14/15-14-0716-07) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval.

(WG vote: 29-0-0)
Moved: Bob Heile
Second: James Gilb

Motion to Approve 15.3e PAR and CSD

* Motion #30
Move that 802EC approve the 15.3e PAR (802.15/dcn/14/15-14-0715-05) as modified by 802.15/dcn/15/15-15-0229-03 and CSD (802.15/dcn/14/15-14-0716-07) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval.
Moved: Heile
Second: Gilb
Results: 12-0-0
Motion: Passes
Reference: See Item #5.053

5.06 ME IEEE 802.16

<table>
<thead>
<tr>
<th>5.06</th>
<th>ME</th>
<th>Withdrawal of IEEE P802.16r (Small Cell Backhaul) to NesCom</th>
</tr>
</thead>
</table>

Marks showed slides from attached file – 16-15-0013.pdf

* Motion #31
To withdraw the P802.16r PAR
Moved: Marks
Second: Rosdahl
Results: 13-0-0
Motion: Motion Passes
Reference: See Item #5.061
Das showed slides from attachment, 21-15-00-0036-March-Plenary-EC-Package.pdf

* Motion #32
  Approve the CSD for IEEE 802.21d in document number DCN: 21-12-0017-01-0000-group-management-5c.pdf
  Moved: Das
  Second: Shellhammer
  Results: 12-0-0
  Motion: Passes
  Reference: See Item #5.091

* Motion #33
  IEEE 802 Executive Committee authorizes to forward P802.21d/D8 to IEEE SA RevCom.
  Moved: Das
  Second: Shellhammer
  Results: 13-0-0
  Motion: Passes
  Reference: See Item #5.091

Gilb showed all slides from the following document -
- 24-15-0010-00-IoTg-response-to-scope-comments.pdf

Gilb showed the following slides –
802.24.2 IoT Task Group Formation
Background

• 802.24 has been hosting meetings for IoT cross 802 WG interest since March 2014.
• In July, the Executive Committee adopted rules for creating Task Groups in 802.24.
  – Currently, there is one 802.24 Task Group, 802.24.1 Smart Grid Task Group
• We now seek to create a new Task Group, IEEE 802.24.2 IoT Task Group
• Response to comment period in in 24-15-0010-01
New TG process (1)

• An individual(s) requests time for a presentation (the best is a tutorial slot) that describes the new application category. The presentation should be:
  – Application focused
  – Supported by multiple members and multiple companies

• If the response from the presentation is favorable, the individual(s) requests that the IEEE 802.24 TAG form a subgroup to write a proposed TG scope document for that application category (the current form is 24-14-0014-01). Approval for forming a subgroup is a majority vote. The IEEE 802.24 TAG Chair will inform the Sponsor of the formation of the group.

• When the subgroup has achieved consensus, the Chair of the subgroup will make a motion to approve the proposed TG scope document in the IEEE 802.24 TAG. Approval requires a 75% majority vote according to the IEEE 802 LMSC Policies and Procedures.

• The IEEE 802.24 TAG Chair submits the proposed TG scope document to all IEEE 802 WGs for review following the review and comment process in the “Plenary review” subclause of IEEE 802 LMSC Operations Manual. Note that a PAR is not being created.
New TG process (2)

• The 802.24 subgroup gets a motion in a minimum of 2 IEEE 802 WGs (not TAGs) that expresses support for adding this application category. The WGs that approve the motion may identify specific topics of that application category that are relevant to that WG.

• The 802.24 chair brings a motion to the EC to approve adding the area to IEEE 802.24.

• If the EC approves the formation of the TG, the TG may begin operation immediately.

• The IEEE 802.24 TAG may request that the EC rescind the scope of a TG, thereby dissolving the TG.
802.3 Motion

• MOTION #2
• Moved: IEEE 802.3 working group supports the formation of the IEEE 802.24.2 IoT Task Group with the scope contained in document 24-15-0003-01.docx*
• *https://mentor.ieee.org/802.24/documents
• M: C. DiMinico     S: J. D'Ambrosia
• Technical (≥75%)
• Y: 109, N: 0, A: 18
802.15 support for Smart Grid TG

- Moved: IEEE 802.15 WG supports the formation of IEEE 802.24 IoT Task Group with the proposed TG scope defined in 24-15-0003-01-0000 or current version.

- Moved: Alfvin
- Seconded: Gilb
- Vote: 32/0/0 y/n/a
802.21 Motion

• Moved: IEEE 802.21 working group supports the formation of the IEEE 802.24.2 IoT Task Group with the scope contained in document 24-15-0003-0.docx*

• Moved: Yoshihiro Ohba
• Seconded: Lily Chen
• Vote: Y: 4 N: A: 1
• Motion Passes:
• *https://mentor.ieee.org/802.24/documents
802.22 Motion

- Motion- 802.22 Approves the 802.24.2 IoT Task Group
- Move that the 802.22 working group supports the formation of the IEEE 802.24.2 IoT Task Group with the Scope contained in Document: 24-15-0003-01.docx
- <
>

- Move: Dr. Chang-woo Pyo
- Second: Dr. Gabriel Villardi

- For: 5, Against: 0, Abstain: 0
- *Motion Passes*.

---

802.24 Vertical Applications TAG

James Gilb (Pulselink)
Motion in 802.24

- Request that the IEEE 802 EC approve the formation of the IEEE 802.24.2 IoT Task Group with the scope contained in document 24-15-0003-01. The 802.24 TAG Chair is authorized to make additional modifications to the scope as needed to reflect EC discussion at its closing meeting.
  - Moved: Steve Pope, Seconded: Chris DiMinico
  - 9/0/1 (y/n/a) (22 people in the room)
E C Motion


- Moved: Gilb
- Seconded: Law

Outgoing -24 Chair was chastised by the 802 EC and Chair for pulling up the wrong document.

| * Motion #34 | The IEEE 802 EC approves the formation of the IoT Task Group in IEEE 802.24 with the scope given in document 24-15-0003-1 |
| Moved       | Gilb |
| Second      | Law |
| Results     | 13-0-0 |
| Motion      | Passes |
| Reference   | See Item #6.011 |
Parsons noted that members of the 802.1 Security group will participate in this study group and anticipated that this would be worked on 802.1 after PAR approved

* Motion #35  To approve the extension of the Privacy Recommendation EC SG until the end of the July 2015 meeting
Moved     Parsons
Second    Stephens
Results   12-0-0
Motion    Passes
Reference See Item #6.02

Approved with approval of agenda.

Approved with approval of agenda.

Approved with approval of agenda.
Stephens presented the following slides.

March 2015

gdoc.: IEEE 802.11-15/0224r3

**NG60 Study Group Extension**

(2\textsuperscript{nd} extension)

- Extend the 802.11 Next Generation 60 GHz (NG60) study group

- Moved: Adrian Stephens
- Seconded: Jon Rosdahl
- Result:

  - WG result: Moved: Edward Au, Second: Stephen McCann, Result: 59-0-1 Passes

March 2015
gdoc.: IEEE 802.11-15/0224r3

**NG60 SG Progress Summary**

- **Interest continues to be high in the Study Group**
  - An average of 3 meeting slots assigned every F2F meeting
  - Average attendance per time slot is in the neighborhood of 70

- **Completed**
  - PAR and CSD approved by the Working Group in January 2015
  - The documents are now under review by 802 EC and NesCom

- **In Progress**
  - Discussions related to usage scenarios and channel modeling
  - Several submissions addressed specific technologies to enhance performance relative to previous IEEE 802.11ad-2012 amendment

- **Justification for SG Extension**
  - In case extra time is necessary to respond to comments from 802 EC and NesCom
**Motion #36**
Extend the 802.11 Next Generation 60 GHz (NG60) study group

Moved Stephens
Second Rosdahl
Results 12-0-0
Motion passes
Reference See Item #6.052

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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>6.06</td>
<td>IEEE 802.15</td>
<td>04:17 PM</td>
</tr>
<tr>
<td>6.061</td>
<td>MI*</td>
<td>IEEE 802.15 HRCP (high rate close proximity) Study Group (1st Extension)</td>
</tr>
</tbody>
</table>

Approved with approval of agenda.

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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>6.062</td>
<td>MI</td>
<td>IEEE 802.15.4 Study Group formation</td>
</tr>
<tr>
<td>6.07</td>
<td>MI</td>
<td>IEEE 802.16</td>
</tr>
<tr>
<td>6.08</td>
<td>MI</td>
<td>IEEE 802.18</td>
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<tr>
<td>6.09</td>
<td>IEEE 802.19</td>
<td></td>
</tr>
<tr>
<td>6.091</td>
<td>MI*</td>
<td>IEEE 802.19 Coexistence in Unlicensed Bands Study Group (1st Extension)</td>
</tr>
</tbody>
</table>

Approved with approval of agenda

No objections to moving 7.081 and 7.082 ahead of others for consideration

Time 4:47pm
Shellhammer showed proposed document, 3GPP March 2015 Liaison #1 – see attachment - 3GPP March 2015 Liaison #1.pdf

Shellhammer showed the following slide –

**Motion #2**

- Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #1” and give editorial license to the 802 chair
- Move: Steve Shellhammer
- Second: 
- Vote:

Vote in 802.19 meeting: 30/0/7
Since this is a liaison to an external body it requires a 2/3 approval rate, as per section 8.1.1 of the operations manual.

Thaler received feedback that the Chair of the RAN1 should be moved from the CC line to the TO line.

Attached document was updated to reflect to this.

It was expressed that when more than one letter is being sent to a group, consideration should be given to combining into a single document.

| **Motion #37** | Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #1” and give editorial license to the 802 chair |
| Moved | Shellhammer |
| Second | Stephens |
| Results | 13-0-0 |
| Motion | passes |
| Reference | See Item #7.081 |
Motion #3

- Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #2” and give editorial license to the 802 chair
- Move: Steve Shellhammer
- Second: Stephens
- Vote:

Vote in 802.19 meeting: 31/1/3

Since this is a liaison to an external body it requires a 2/3 approval rate, as per section 8.1.1 of the operations manual.

| Motion #38 | Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #2” and give editorial license to the 802 chair |
| Moved | Shellhammer |
| Second | Stephens |
| Results | 13-0-0 |
| Motion | passes |
| Reference | See Item #7.082 |
Gilb presented the following proposed liaison response. See attachment: 24-14-0040-04-0000-Liaison-response-to-P2413.pdf. The following slide was presented.

**Liaison to P2413**

- Motion: IEEE 802 Executive Committee approves the liaison letter, document 24-14-0040-06, for IEEE P2413.

- Moved: Gilb
- Second: D' Ambrosia

---

**Motion #39**

IEEE 802 Executive Committee approves the liaison letter, document 24-14-0040-06, for IEEE P2413

Moved: Gilb
Second: D' Ambrosia
Results: 13-0-0
Motion: Passes
Reference: See Item #7.011
7.021 - MOTION

- EC approves to forward Std 802.1AX-2014 to ISO/IEC JTC1 SC6, for ballot under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For_27__Against_0__Abstain_0__

- EC proposed: Parsons Second: Thaler
- For___Against___Abstain____

* Motion #40

<table>
<thead>
<tr>
<th>Motion #40</th>
<th>EC approves to forward Std 802.1AX-2014 to ISO/IEC JTC1 SC6, for ballot under the PSDO agreement.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #7.021</td>
</tr>
</tbody>
</table>
7.022 - MOTION

- EC approves to forward Std 802.1BA-2011 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For_27___Against_0___Abstain_0___

- EC proposed: Parsons Second: Thaler
- For____Against____Abstain____

* Motion #41

<table>
<thead>
<tr>
<th>Moved</th>
<th>Second</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parsons</td>
<td>Thaler</td>
<td>The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motion</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Motion Passes</td>
<td>See Item #7.022</td>
</tr>
</tbody>
</table>
### 7.023 - MOTION

- EC approves to forward Std 802.1BR-2012 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.

- WG proposed: Messenger Second: Gray
- For__26___Against__0___Abstain__0___

- EC proposed: Parsons Second: Thaler
- For____Against____Abstain_____
7.024 - MOTION

- EC approves to forward the comment responses contained on slides 8 and 9 of http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response-AEbnAEbw-0315-v01.pptx to JTC1 SC6, under the PSDO agreement. These are responses to the comments received on recent FDIS ballots of 802.1AEbn and 802.1AEbw.

- WG Proposed: Messenger Second: Gray
- For____25____Against____0____Abstain____1____
- Approved

- EC proposed: Parsons Second:
- For_____Against___Abstain_____
The SC will consider a proposed response to China NB comment on 802.1AEbn-2011

Proposed response to China NB comment on 802.1AEbn-2011

- IEEE thanks the China NB for its comment on the 802.1AE/FAmd 1 ballot.
- However, this amendment is based on IEEE 802.1AE, MAC Security, and not IEEE 802.1X, Port Based Network Access Control as asserted in the China NB’s comment.
- The purpose for this amendment is to specify and support optional use of an additional cipher suite: AES-256 for MAC Security using GCM (Galois Counter Mode).

The SC will consider a proposed response to China NB comment on 802.1AEbw-2013

Proposed response to China NB comment on 802.1AEbw-2013

- IEEE thanks the China NB for its comment on the 802.1AE/FAmd 1 ballot.
- However, this amendment is based on IEEE 802.1AE, MAC Security, and not IEEE 802.1X, Port Based Network Access Control as asserted in the China NB’s comment.
- This amendment describes an optional mode for MACsec that defines a method to extend the packet number to support higher network rates while maintaining system functionality and operational efficiency.

* Motion #43

EC approves to forward the comment responses contained on slides 8 and 9 of http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response-AEbnAEbw-0315-v01.pptx to JTC1 SC6, under the PSDO agreement. These are responses to the comments received on recent FDIS ballots of 802.1AEbn and 802.1AEbw.

Moved
Parsons

Second
Thaler

Results
The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.

Motion
Passes

Reference
See Item #7.024
Parsons showed the following slide –

7.025 - MOTION

- 802.1 approves the liaison response to MEF on 802.1AX and all active UNI

- Proposed: Haddock   Second: Gray
- For__29__Against_0__Abstain_0__
- Approved
Parsons showed the following slide –

7.026 - MOTION

- 802.1 approves the [liaison](http://www.ieee802.org/1/files/public/docs2015/liaison-response-MEF-L00227-YANG-0315-v1.docx) response to MEF on YANG

- Proposed: Haddock  Second: Romascanu
- For__30__Against__0__Abstain_0____
- Approved
Parsons showed the following slide

7.027 - MOTION

- 802.1 approves the liaison response to ITU-T SG15 liaison LS224 on PTP over LAG.

- Proposed: Haddock  Second: Garner
- For__28__Against_0__Abstain__0__
- Approved
Parsons showed the following slide

7.028 - MOTION

- 802.1 approves the [liaison](http://www.ieee802.org/1/files/public/docs2015/liaison-response-ieee1904dot3-0315-v00.docx) response to IEEE 1904.3.

- Proposed: Korhonen    Second: Gray
- For__25__Against__0__Abstain__0__
- Approved
Parsons showed the following slide

7.029 - MOTION

- 802.1 approves the liaison response to CPRI, 1904.3, MEF, ITU-R WP5, ITU-T Q13/15 on fronthaul.

- Proposed: Messenger
- Second: Gray
- For___33___Against_0___Abstain__0__
- Approved
Law presented the following slides

Liaison letter to ITU-T SG5: New Recommendations related to Ethernet port protection

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG5 in respect to new Recommendations related to Ethernet port protection, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at
<http://iee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ITU-T_SG5_0315_draft.pdf>

Working Group vote:
Y: 112, N: 0, A: 9
Law presented the following slides


Liaison letter to ITU-T SG15: ANT Standardization Work Plan

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to the Access Network Transport (ANT) Standardization Work Plan, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_SG15_ANT_0315_draft.pdf>

Working Group vote:
Y: 112, N: 0, A: 9
Law presented the following slides.

7.033 II*: Liaison letter to ITU-T SG15: Optical Transport Networks and Technologies (OTNT) Standardization Work Plan

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to the Optical Transport Networks and Technologies (OTNT) Standardization Work Plan, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_SG15_OTNT_0315_draft.pdf>

Working Group vote:
Y: 112, N: 0, A: 9

Law presented the following slides.
7.034 ME: Liaison letter to ISO/IEC JTC1 SC6: IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) initial sponsor ballot draft

Liaison letter to ISO/IEC JTC1 SC6: IEEE P802.3 revision initial sponsor ballot draft

Motion

The IEEE 802 LMSC Executive Committee approves the draft liaison letter to ISO/IEC JTC1 SC6 to liaise the IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) initial sponsor ballot draft.

The draft liaison letter, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at

<http://iee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0315_draft.pdf>

M: Law  S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes
Report:  Y: 102, N: 0, A: 7
Motion #44

The IEEE 802 LMSC Executive Committee approves the draft liaison letter to ISO/IEC JTC1 SC6 to liaise the IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) initial sponsor ballot draft. The draft liaison letter, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0315_draft.pdf

Moved
Law

Second
D'Ambrosia

Results
The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.

Motion
Passes

Reference
See Item #7.034
Approved with approval of agenda.

7.035 ME: IEEE 802.3 Industry Connections Next Generation Ethernet Passive Optical Network (NG-EPON) report approval

Charter

The activity has been chartered to generate a report which will detail:
(a) operators’ requirements, (b) technological and economic tradeoffs of various approaches to next generation EPON, (c) the state of the art for optical subscriber access network technology, and (d) potential solutions that merit further consideration.

Process

Developed in IEEE 802.3 Industry Connections NG-EPON ad hoc
Held 9 meetings, circulated 9 drafts for comment
Report approved by vote of IEEE 802.3 Working Group

Approval

Subclause 8.3.2 ‘Subgroup public statements’ of the IEEE 802 LAN/MAN Standards Committee (LMS) Policies and Procedures. As well as requiring the subgroup approval it also states that ‘Such public statements also require approval of the Sponsor’.
IEEE 802.3 Industry Connections
NG-EPON report approval

Motion
The IEEE 802 LMSC Executive Committee approves the IEEE 802.3 Industry Connections Next Generation Ethernet Passive Optical Network report <http://ieee802.org/secmail/pdfPUXmqX0_Bq.pdf>.
The IEEE 802 LMSC Executive Committee requests that the IEEE-SA Standards Board terminate the Next Generation Ethernet Passive Optical Network Industry connection activity.

M: Law  S: D'Ambrosia
Y: ??, N: ??, A: ??

Working Group votes
Report approval:   Y: 61, N: 0, A: 5
Law showed the following slides.

7.036 II*: Liaison letter to ISO/IEC JTC1 SC25: Remote powering

Liaison letter to ISO/IEC JTC1 SC25: Remote powering

The draft liaison letter response from the IEEE 802.3 working group to ISO/IEC JTC1 SC25 in respect to the Remote Powering, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_SC25_PoE_0315_draft.pdf>

Working Group vote:
Y: 86, N: 0, A: 8
Law presented the following slides.

7.037 II*: Liaison letter to ISO/IEC JTC1 SC25: Copper qualification

The draft liaison letter response from the IEEE 802.3 working group to ISO/IEC JTC1 SC25 in respect to the Copper qualification, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ISOIEC_SC25_WG3_0315_draft.pdf>

Working Group vote:
Y: 55, N: 0, A: 7

Law presented the following slides.

7.038 II: Liaison letter to ITU-T SG15: Timestamping point for multilane Ethernet interfaces
7.038 Il*: Liaison letter to ITU-T SG15: Timestamping point for multilane Ethernet interfaces

Liaison letter to ITU-T SG15: Timestamping point for multilane Ethernet interfaces

The draft liaison letter response from the IEEE 802.3 working group to ITU-T SG15 in respect to the Timestamping point for multilane Ethernet interfaces, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_SG15_time_0315_draft.pdf>

Working Group vote:
Y: 112, N: 0, A: 9
Law presented the following slides.

7.039 II*: Liaison letter to IEC SC48B: Modular connectors

The draft liaison letter from the IEEE 802.3 working group to IEC SC48B in respect to the Modular connectors, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at

<http://ieee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_IECSC48B_0315_draft.pdf>

Working Group vote:
Y: 89, N: 0, A: 11
| 7.04 | IEEE 802.11 | Stephans | 04:59 PM |
| 7.041 | II* Liaison to IEC/JTC1 - 3 pre-Sponsor Ballot Drafts | Stephens | 04:59 PM |

Approved with approval of agenda.

| 7.05 | ME IEEE 802.15 | Heile | 04:59 PM |
| 7.06 | ME IEEE 802.16 | Marks | 04:59 PM |
| 7.07 | IEEE 802.18 | | 04:59 PM |
| 7.071 | ME Liaison DSRC Report to FCC (Doc #18-15-0015-02-0000) | Lynch | 04:59 PM |

| 7.08 | ME IEEE 802 | Nikolich | 05:07 PM |
| 7.10 | ME IEEE 802.21 | Das | 05:07 PM |
| 7.11 | IEEE 802.22 | | 05:07 PM |
| 7.111 | ME* Approval of Press Release - ISO approval of IEEE 802.22 Standard | Mody | 05:07 PM |

Approved with approval of agenda
Motion for Approval to Forward the Amendments IEEE Std. 802.22a-2014 and P802.22b Draft v5.0 to ISO/IEC/JTC1 as Information Only Documents

Motion

Working Group Motion for Approval to forward the IEEE Std. 802.22a-2014 and P802.22b Draft v5.0 to the ISO/IEC/JTC1 as an Information Only Documents

Move to forward IEEE Std. 802.22a-2014 and P802.22b Draft 5 to ISO/IEC/JTC1 as an information only documents.

Move: Jerry Kalke
Second: Keat Beng Toh
For: 6
Against: 0
Abstain: 0
Motion passes.
EC Motion for Approval to forward the IEEE Std. 802.22a-2014 and P802.22b Draft v5.0 to the ISO/IEC/JTC1 as an Information Only Document

EC Approves forwarding of the IEEE Std. 802.22a-2014 and P802.22b Draft 5 to ISO/IEC/JTC1 as information only documents.

Move: Apurva N. Mody
Second:
For:
Against:
Abstain:
Motion passes/ fails

Submission

* Motion #45
Moved
Second
Results
Motion
Reference

EC Approves forwarding of the IEEE Std. 802.22a-2014 and P802.22b Draft 5 to ISO/IEC/JTC1 as information only documents.
Mody
Shellhammer
The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.
Passes
7.112
8.00 ME Information Items

| 8.01 | II | IEEE 802 / SA Task Force Report | Nikolich | 4 | 04:57 PM |

Nikolich presented the following slide –

### 8.01 802 Task Force

- 802 Task Force, Thurs 10:30AM-12:30 (room: 30241)
  
  **Agenda/Action Items**
  
  1. Update on draft Public Review policy
     - Action: Thompson to correct roll-out date on Public Review deck and post to the EC Mentor area
  
  2. Update on clarification of Indemnification Policy
     - Action: Nikolich to obtain timeline from IEEE General Counsel
  
  3. **draft Get IEEE 802 Agreement/review postponed**
     - Action: Newman to provide reasonable proprietary/confidential terms and conditions to EC for consideration
     - Action: Nikolich to add ‘review of open portions of draft’ Get IEEE Agreement to 02JUN telecon agenda
     - Action: Nikolich to postpone Executive Session due to confidential content (limited to EC members and invited guests) to July 2015 Plenary Session
  
  4. Adjourn 11:30am

Thompson provided a verbal overview of the Public Review

| 8.02 | II | IEEE SA Staff Reports | | | 05:15 PM |

No reports.

| 8.03 | | Standing Committee Reports | | |

| 8.031 | II | 802 / JTC1 SC Report | Dambrosia / Myles | 1 | 05:15 PM |

D’Ambrosia noted that Myles had to leave, but provided a file that will be included in the minutes. Chair advised individuals to review the file, and direct any questions to Myles.

Parsons showed the following slide.

**Summary**

- **802 views on “food for thought”**
  1 (fees) - Existing process works fine (requesting a meeting fee waiver per meeting)
  2 (joint) – This should be based on the WG interest. But more importantly a success is needed before a general policy is considered.
  3 (resolution) – The current process of leadership interacting if there is an issue works fine, as there are not many issues. No objection to sharing links to new work items.
  5 (edu) – ITU is not participating in IEEE standards education...

- **802 has no specific comments on new process documents**
  - Supportive of ITU collaboration/cooperation with IEEE 802 in a reciprocal manner based on mutual respect.

Thaler gave verbal overview. Commented that things are going very smoothly, and not a lot of activity for the SC.

No additional comments since Sunday meeting.

Only comment since Monday is documents to FCC.

No report
No report.

Rosedahl presented Treasurer’s Report.
See attachment. ec-15-0023-00-00EC 2015-03-13 Treasurer Report.pdf

Approved with approval of agenda.

July 2013
doc.: IEEE 802 EC-15-0018r2

*F8.044 Executive secretary report
LMSC 802 – P&P list of major duties:

1. Oversee Venue selection –
2. Present summaries of venue options.
3. Oversee activities related to facilities and services
4. Carry out Duties of Treasurer if Treasurer unavailable

Chairs Guideline list of major duties:

1) 802 Meetings: Efficiency Improvement
2) 802 Plenary Sessions: Facilities and Services
3) IEEE 802 Registration Database
4) Assist IEEE 802 Treasurer

D’Ambrosia gave verbal overview of new minutes format and embedding files in PDF as part of the final record. Group was supportive of the approach.

Approved with approval of agenda.
Rosdahl presented a summary of the data provided by Chaplin.

March 2015

F8.047 Historical Financial Data
(March 2012 to March 2015)

Number of meetings: 11
Average Attendance: 723
Average Cost per attendee: $795.39
Average Mtg Fee Paid: $517.13
Average Surplus/deficit: -$30,180
Sum “Net Meeting Surplus/Deficit: -$331,979.48

See document: 802-EC-15/24r0

Alfvin gave a verbal update. Interesting stats included Moved 1.67 Terabytes over the network this week. Peak Period PM2 198 Mb/s Peak
*F8.06 – Announcement of 802 EC Interim Telecon (Tuesday 2 June 2015, 1-3pm ET)

Agenda for Interim EC meeting
– Tuesday 2 June 2015 1-3PM ET

Initial Proposed Draft Agenda
– 1. Welcome/Intro/Approve Agenda - Nikolich 5 min
– 2. Report: March EC Action Item Summary - D’Ambrosia 10 min
– 6. Report on

Per Chairs Guideline – Confirm during the Closing EC Plenary.
Approved with approval of agenda.

---

**F8.07 – Call for Tutorials for July 2015 Plenary**

Tutorials to be held Monday, July 13, 2015

Tutorial Request form:

[http://www.ieee802.org/802_tutorials/802_Tutorial_Request_Form.doc](http://www.ieee802.org/802_tutorials/802_Tutorial_Request_Form.doc)

As a reminder please refer to Chair's Guidelines section 2.5 Tutorials for the logistics for participating in sponsoring/presenting a Tutorial.

All requests for Tutorials must be made by 29 May 2015.

---

- Item 7.071 - Lynch / Mody – Construct EC motion on ballot.
- Item 7.081 / 7.082 - Nikolich Package the 802 3GPP Liaisons into a single document

Closed @ 5:59pm.
Attached Documents Summary
1. ec-14-0087-05-00EC-overview-of-proposed-wg-p-p-changes.pdf
2. IEEE_802.3bw_unresolved_negative_comments.pdf
3. IEEE_802.3bx_unresolved_negative_comments.pdf
5. 16-15-0013.pdf
7. 3GPP March 2015 Liaison #1.pdf
8. 3GPP March 2015 Liaison #2.pdf
9. 24-14-0040-04-0000-Liaison-response-to-P2413.pdf

Consent Agenda Motion Summary
1. Study Group Approval - IEEE 802.1 Local MAC Address (1st Extension)
2. Study Group Approval - IEEE 802.3 Next Generation Enterprise Access BASE-T PHY Study Group (1st Extension)
3. Study Group Approval - IEEE 802.3 25GBASE-T Study Group (1st Extension)
4. Study Group Approval - IEEE 802.11 1. Next Generation Positioning Study Group (1st Extension)
5. Study Group Approval - IEEE 802.15 HRCP (high rate close proximity) Study Group (1st Extension)
6. Study Group Approval - IEEE 802.19 Coexistence in Unlicensed Bands Study Group (1st Extension)
7. Authorize IEEE 802.3 Industry Connections NG-EPON Report
8. Approval of Press Release - ISO approval of IEEE 802.22 Standard

Motions Summary

<table>
<thead>
<tr>
<th>Motion #1</th>
<th>Move to approve agenda</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>D'Amбросia</td>
</tr>
<tr>
<td>Second</td>
<td>Gilb</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>Agenda Item #2.00</td>
</tr>
</tbody>
</table>

* Motion #2 |
Move to authorize the purchase of a commemorative badge-holder for attendees at the July Plenary, up to 800 items at a cost not to exceed a cost of $4 each ($3200.00).

Moved | Rosdahl |
Second | Stephens |
Results | 12-0-0 |
Motion | Passes |
Reference | Agenda Item #4.01 |

* Motion #3 | The 802 Sponsor confirms the election of Tim Godfrey as the 802.24 Chair

Moved | Marks |
Second | D'Amбросia |
Results | 13-0-0 |
Motion | Passes |
Reference | Agenda Item #4.02 |
| * Motion #4 | Start the Monday EC meeting at Plenary Sessions at 8am and end it at 10am |
| Moved      | Heile                                      |
| Second     | Rosdahl                                   |
| Results    | 13-0-0                                    |
| Motion     | passes                                    |
| Reference  | Agenda Item 4.03                          |

| * Motion #5 | In support of the global participation in IEEE 802 and the IEEE-SA strategic goal of expanded global presence the IEEE 802 LAN/MAN Sponsor Committee requests that the IEEE-SA changes the requirement found in subclause 5.4.3.1 'Ballot term' of the IEEE-SA Standards Board Operations manual with respect to the close time to be based on UTC instead of ET. IEEE 802 further request that when this change is implemented, all other myProject times are updated to be based on UTC instead of ET. IEEE 802 appoints David Law to submit this request to the IEEE-SA Standards Board Procedures Committee on its behalf |
| Moved      | Law                                       |
| Second     | D'Ambrosia                               |
| Results    | 10-2-1                                    |
| Motion     | Passes                                    |
| Reference  | Agenda Item #4.04                        |

<table>
<thead>
<tr>
<th>5.4.3.1 Ballot term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each ballot in the standards balloting process shall close at 23.59 UTC-124 on the closing date specified on the ballot</td>
</tr>
</tbody>
</table>

4 UTC is Coordinated Universal Time.

| * Motion #6 | Move to approve a Site visit for Bob Heile and Rick Alfvin to visit K-L and Singapore for the purpose of a Site Inspection, with the cost to not exceed an additional $2000. |
| Moved      | Rosdahl                                   |
| Second     | Gilb                                      |
| Results    | 12-0-0                                    |
| Motion     | Passes                                    |
| Reference  | Agenda Item #4.05                        |

| * Motion #7 | Move to approve a Site visit for Jon Rosdahl, Rick Alfin and Dawn Slykhouse to visit the Venetian Macao in Macao, China to conduct a site visit and meeting preparation meetings with the cost not to exceed an additional $5000.00 |
| Moved      | Stephens                                 |
| Second     | Law                                       |
| Results    | 13-0-0                                    |
| Motion     | Passes                                    |
| Reference  | Agenda Item #4.06                        |
**Motion #8**  
Motion to set the 802 Hosted Interim 2016 January Atlanta Meeting Fees with the following levels:  
  Early-Bird -- $375 (Discounted) -- $575  
  Regular Registration -- $575 (Discounted) -- $775  
  Onsite/Late Registration -- $775 (Discounted) -- $975

Moved: Rosdahl  
Second: Heile  
Results: 13-0-0  
Motion: Passes  
Reference: 4.07

**Motion #9**  
IEEE 802 EC appoints Adrian Stephens to IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in Belgium in May 2015

Moved: D’Ambrosia  
Second: Mody  
Results: 12-0-1  
Motion: Passes  
Reference: Agenda Item #4.08

**Motion #10**  
IEEE 802 EC approves that the IEEE 802 HoD to the SC6 meeting in May 2015 be authorized to:  
  • Appoint the IEEE 802 delegation  
  • Approve any necessary submissions  
  • Call any necessary preparation teleconferences

Moved: D’Ambrosia  
Second: Rosdahl  
Results: 12-1-0  
Motion: Passes  
Reference: Agenda Item #4.09

**Motion #11**  
IEEE 802 EC approves sending IEEE_802_WG_PandP_v17.2.doc to AudCom for review.

Moved: Gilb  
Second: Rosdahl  
Results: 13-0-0  
Motion: Passes  
Reference: See Item #4.10

**Motion #12**  
Move to approve document 18-15/0016r1 providing a view of the work done in the IEEE802.11DSRC Tiger Team with the cover letter as contained in Document 18-15/0018r1 and submit it to the FCC. The Chair of 802 is authorized to make editorial changes as necessary.

Moved: Lynch  
Second: Mody  
Results:  
Motion: Directed to Email Ballot by Chair  
Reference: See Item #7.071

**Motion #13**  
Motion to table Motion #12

Moved: Law  
Second: D’Ambrosia  
Results: 12-0-0  
Motion: Passes  
Reference: See Item #7.071
<table>
<thead>
<tr>
<th>* Motion #14</th>
<th>EC approves the CSD for 802c and forwards the 802c PAR to NesCom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>11-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.021</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>* Motion #15</th>
<th>EC approves to withdraw the PAR for P802.1ASbt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>10-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.022</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>* Motion #16</th>
<th>EC approves the CSD and forwards the P802.1Qci PAR to NesCom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>11-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.024</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>* Motion #17</th>
<th>EC approves the CSD and forwards the P802.1Qcj PAR to NesCom.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
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<td>Second</td>
<td>Thaler</td>
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<tr>
<td>Results</td>
<td>11-0-0</td>
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<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.024</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>* Motion #18</th>
<th>802.1 requests EC approval to forward 802.1AS/Cor2 D2.0 to Sponsor Ballot.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Rosdahl</td>
</tr>
<tr>
<td>Results</td>
<td>10-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.026</td>
</tr>
<tr>
<td>*Motion #19</td>
<td>EC confirms the 5C:</td>
</tr>
<tr>
<td>-----------</td>
<td>---------------------</td>
</tr>
<tr>
<td></td>
<td>And approves to forward 802.1Qca D1.4 to Sponsor Ballot.</td>
</tr>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.027</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*Motion #20</th>
<th>EC confirms the 5C:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>And conditionally approves to forward 802.1Qbv Scheduled Traffic to Sponsor Ballot.</td>
</tr>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>12-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.028</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*Motion #21</th>
<th>EC confirms the 5C:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>And conditionally approves to forward 802.1Qbz Enhancements to Bridging of 802.11 Media to Sponsor Ballot.</td>
</tr>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.029</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*Motion #22</th>
<th>The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bz CSD responses and forwards the IEEE P802.3bz PAR to NesCom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Law</td>
</tr>
<tr>
<td>Second</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.031</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>*Motion #23</th>
<th>The IEEE 802 LMSC Executive Committee confirms the IEEE 802.3bw 100BASE-T1 CSD available at the URL <a href="http://iee802.org/3/bw/public/20140528_CSD_IEEE802_3bw.pdf">http://iee802.org/3/bw/public/20140528_CSD_IEEE802_3bw.pdf</a> and grants conditional approval to forward IEEE P802.3bw to Sponsor ballot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Law</td>
</tr>
<tr>
<td>Second</td>
<td>D'Ambrosia</td>
</tr>
<tr>
<td>Results</td>
<td>13-0-0</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #5.033</td>
</tr>
</tbody>
</table>
**Motion #24**
The IEEE 802 LMSC Executive Committee grants approval to forward IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) to Sponsor ballot

Moved: Law
Second: D’Ambrosia
Results: 13-0-0
Motion: Passes
Reference: See Item #5.034

**Motion #25**
Move to raise from the Table Motion #12. reference Item# 7.071

Moved: Chair
Second: None
Results: No objections
Motion: Passes
Reference: See Item #5.033

**Motion #26**
- Approve sending the PAR in the PAR document cited below for P802.11ay to NesCom
- And confirm the PAR and 5C cited below
  - PAR document: [https://mentor.ieee.org/802.11/dcn/14/114-1151-08-ng60-ng60-proposed-par.docx](https://mentor.ieee.org/802.11/dcn/14/114-1151-08-ng60-ng60-proposed-par.docx)
  - 5C document: [https://mentor.ieee.org/802.11/dcn/14/114-1152-08-ng60-ng60-proposed-csd.docx](https://mentor.ieee.org/802.11/dcn/14/114-1152-08-ng60-ng60-proposed-csd.docx)
  - In the WG: PAR approval motion: 119-0-6; 5C approval motion 116-0-7:

Moved: Stephens
Second: Rosdahl
Results: 12-0-0
Motion: Passes
Reference: See Item #5.041

**Motion #27**
As defined in IEEE LMSC Operations Manual (7 Nov 2014), Clause 12, conditionally approve sending IEEE P802.11 (REVmc) to IEEE-SA Sponsor Ballot

Moved: Stephens
Second: Rosdahl
Results: 13-0-0
Motion: Passes
Reference: See Item #5.042

**Motion #28**
Delegate resolution of the P802.11 (REVmc) sponsor ballot comments to the 802.11 WG Chair.

Moved: Stephens
Second: Rosdahl
Results: 12-0-0
Motion: Passes
Reference: See Item #5.043

**Motion #29**
Move 802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot pending recirculaiton

Moved: Heile
Second: Gilb
Results: 13-0-0
Motion: Passes
Reference: See Item #5.052
| * Motion #30 | Move that 802EC approve the 15.3e PAR (802.15/dcn/14/15-14-0715-05) as modified by 802.15/dcn/15/15-15-0229-03 and CSD (802.15/dcn/14/15-14-0716-07) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval. |
| Moved | Heile |
| Second | Gilb |
| Results | 12-0-0 |
| Motion | Passes |
| Reference | See Item #5.053 |

| * Motion #31 | To withdraw the P802.16r PAR |
| Moved | Marks |
| Second | Rosdahl |
| Results | 13-0-0 |
| Motion | Motion Passes |
| Reference | See Item #5.061 |

| * Motion #32 | Approve the CSD for IEEE 802.21d in document number DCN: 21-12-0017-01-0000-group-management-5c.pdf |
| Moved | Das |
| Second | Shellhammer |
| Results | 12-0-0 |
| Motion | Passes |
| Reference | See Item #5.091 |

| * Motion #33 | IEEE 802 Executive Committee authorizes to forward P802.21d/D8 to IEEE SA RevCom. |
| Moved | Das |
| Second | Shellhammer |
| Results | 13-0-0 |
| Motion | Passes |
| Reference | See Item #5.091 |

| * Motion #34 | The IEEE 802 EC approves the formation of the IoT Task Group in IEEE 802.24 with the scope given in document 24-15-0003-1 |
| Moved | Gilb |
| Second | Law |
| Results | 13-0-0 |
| Motion | Passes |
| Reference | See Item #6.011 |

| * Motion #35 | To approve the extension of the Privacy Recommendation EC SG until the end of the July 2015 meeting |
| Moved | Parsons |
| Second | Stephens |
| Results | 12-0-0 |
| Motion | Passes |
| Reference | See Item #6.02 |
* Motion #36
Extend the 802.11 Next Generation 60 GHz (NG60) study group
Moved          Stephens
Second         Rosdahl
Results        12-0-0
Motion          passes
Reference       See Item #6.052

* Motion #37
Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #1” and give editorial license to the 802 chair
Moved          Shellhammer
Second         Stephens
Results        13-0-0
Motion          passes
Reference       See Item #7.081

* Motion #38
Move to approve the liaison to 3GPP in document “3GPP March 2015 Liaison #2” and give editorial license to the 802 chair
Moved          Shellhammer
Second         Stephens
Results        13-0-0
Motion          passes
Reference       See Item #7.082

* Motion #39
IEEE 802 Executive Committee approves the liaison letter, document 24-14-0040-06, for IEEE P2413
Moved          Gilb
Second         D’Ambrosia
Results        13-0-0
Motion          Passes
Reference       See Item #7.011

* Motion #40
EC approves to forward Std 802.1AX-2014 to ISO/IEC JTC1 SC6, for ballot under the PSDO agreement.
Moved          Parsons
Second         Thaler
Results        12-0-0
Motion          Passes
Reference       See Item #7.021

* Motion #41
EC approves to forward Std 802.1BA-2011 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.
Moved          Parsons
Second         Thaler
Results        The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.
Motion          Motion Passes
Reference       See Item #7.022
<table>
<thead>
<tr>
<th>Motion #42</th>
<th>EC approves to forward Std 802.1BR-2012 to ISO/IEC JTC1 SC6, for information under the PSDO agreement.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
</tr>
<tr>
<td>Second</td>
<td>Thaler</td>
</tr>
<tr>
<td>Results</td>
<td>The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #7.023</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Motion #43</th>
<th>EC approves to forward the comment responses contained on slides 8 and 9 of <a href="http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response-AEbnAEbw-0315-v01.pptx">http://www.ieee802.org/1/files/public/docs2015/liaison-randall-SC6response-AEbnAEbw-0315-v01.pptx</a> to JTC1 SC6, under the PSDO agreement. These are responses to the comments received on recent FDIS ballots of 802.1AEbn and 802.1AEbw.</th>
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<tbody>
<tr>
<td>Moved</td>
<td>Parsons</td>
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<tr>
<td>Second</td>
<td>Thaler</td>
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<tr>
<td>Results</td>
<td>The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
<tr>
<td>Reference</td>
<td>See Item #7.024</td>
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<tr>
<th>Motion #44</th>
<th>The IEEE 802 LMSC Executive Committee approves the draft liaison letter to ISO/IEC JTC1 SC6 to liaise the IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (revision) initial sponsor ballot draft. The draft liaison letter, approved by the IEEE 802.3 Working Group with editorial license granted to the IEEE 802.3 Working Group Chair, can be found at <a href="http://iee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0315_draft.pdf">http://iee802.org/3/minutes/mar15/outgoing/IEEE_802d3_to_ISOIEC_JTC1_SC6_0315_draft.pdf</a></th>
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<td>Second</td>
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<tr>
<td>Results</td>
<td>The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
</tr>
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<td>Reference</td>
<td>See Item #7.034</td>
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<tr>
<th>Motion #45</th>
<th>EC Approves forwarding of the IEEE Std. 802.22a-2014 and P802.22b Draft 5 to ISO/IEC/JTC1 as information only documents.</th>
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<tr>
<td>Moved</td>
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<td>Results</td>
<td>The Chair asked if there was any more discussion. Hearing none, the Chair asked if there were any objections to approving the motion. Hearing none, the motion passed with unanimous consent.</td>
</tr>
<tr>
<td>Motion</td>
<td>Passes</td>
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<tr>
<td>Reference</td>
<td>7.112</td>
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