MINUTES (Unconfirmed) IEEE 802 LMSC
EXECUTIVE COMMITTEE MEETING, Revision 0

Prepared by John D’Ambrosia, Recording Secretary

Monday, Nov 9, 2015 – 8:00 a.m.
All times CST

Hyatt Regency Dallas
Dallas, TX, USA

EC Voting 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,
Clint Chaplin        Treasurer, IEEE 802 LAN/MAN Standards Committee
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
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
Tim Godfrey          Chair, IEEE 802.24 - Vertical Applications TAG

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

EC Voting members absent:

EC Nonvoting members absent:
John Lemon           Chair, IEEE 802.17 – Resilient Packet Ring Working Group
Meeting called to order at 8:00am
Discussion regarding agenda –

Pull 4.01 off consent agenda, and add Stefano Faccin (Qualcomm) and Bill McCoy (Self) as invited guests.

* Motion #1  Move to approve modified agenda
  Moved      D’Ambrosia
  Second     Gilb
  Results    Motion approved unanimously without objection
  Motion     approved
  Reference  Agenda Item #2.00
<table>
<thead>
<tr>
<th></th>
<th>AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Monday 8:00AM -9:30AM (Exploratory)</td>
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</table>

**Key:**
- ME - Motion, External
- MI - Motion, Internal
- DT - Discussion Topic
- II - Information Item

**Special Orders**

<table>
<thead>
<tr>
<th>Category (* = consent agenda)</th>
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<tbody>
<tr>
<td>1.00</td>
<td>MEETING CALLED TO ORDER</td>
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<tr>
<td>2.00</td>
<td>MI APPROVE OR MODIFY AGENDA</td>
</tr>
<tr>
<td>3.00</td>
<td>MI* APPROVE Motion: Approve minutes of Jul 2015 Opening Meeting</td>
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<tr>
<td>3.01</td>
<td>MI* APPROVE Motion: Approve minutes of Jul 2015 Closing Meeting</td>
</tr>
<tr>
<td>3.02</td>
<td>MI* APPROVE Motion: Approve minutes of Oct conference call</td>
</tr>
<tr>
<td>4.00</td>
<td>II IEEE Staff Introductions</td>
</tr>
<tr>
<td>4.01</td>
<td>II Fee Waivers: Invited Guests: Stefano Faccin (Qualcomm) and Bill McCoy (Self)</td>
</tr>
<tr>
<td>4.02</td>
<td>II LMSC items</td>
</tr>
<tr>
<td>5.00</td>
<td>Chair's Opening Report</td>
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<tr>
<td>5.01</td>
<td>II Chair's Announcements</td>
</tr>
<tr>
<td>5.011</td>
<td>II* Announcement of 802 EC Interim Telecon (Tuesday 2 Feb 2016, 1-3pm ET)</td>
</tr>
<tr>
<td>5.02</td>
<td>II* BoG Actions</td>
</tr>
<tr>
<td>5.03</td>
<td>II* Stds Board Actions (approved projects, standards, withdrawals)</td>
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<td>5.04</td>
<td>II* LMSC Email Ballot Recap</td>
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<tr>
<td>5.05</td>
<td>II EC Affiliation Update</td>
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<td>5.06</td>
<td>II* Tutorial Schedule</td>
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<tr>
<td>5.07</td>
<td>II* List of Drafts to Sponsor Ballot</td>
</tr>
<tr>
<td>5.08</td>
<td>II* List of Drafts to Revcom</td>
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<tr>
<td>5.09</td>
<td>II* Draft documents to EC Ballot</td>
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<td>5.10</td>
<td>II* PARS to NesCom</td>
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<tr>
<td>5.11</td>
<td>II Notice of Study Groups / pre-PAR activity under consideration/status of existing SGS</td>
</tr>
<tr>
<td>5.12</td>
<td>II Action Item Recap (July Plenary, EC Oct Teleconference)</td>
</tr>
<tr>
<td>5.13</td>
<td>II Review 802 Task Force Agenda</td>
</tr>
<tr>
<td>5.131</td>
<td>DT Indemnification Clarification Update</td>
</tr>
<tr>
<td>5.140</td>
<td>Officers / 802 Reports</td>
</tr>
<tr>
<td>5.1405</td>
<td>II IEEE-SA Fellowship Exchange Program Update</td>
</tr>
<tr>
<td>5.141</td>
<td>II P&amp;P update</td>
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<tr>
<td>5.142</td>
<td>II Current and Future venue report</td>
</tr>
<tr>
<td>5.143</td>
<td>II Treasurer’s report</td>
</tr>
<tr>
<td>5.144</td>
<td>DT Status Update - Get802</td>
</tr>
<tr>
<td>5.145</td>
<td>II January EC Workshop Update</td>
</tr>
</tbody>
</table>

**Participants:**
- Nikolich
- D’Ambrosia
- Gilb
- Law
- Parsons
- Rosdahl
- Chaplin
- Marks
- Law
In recognition of the SASB approval of the 802.1E Privacy project and Juan Carlos Zuniga's role as former chair of the Privacy 802 EC Study Group, the Chair invited him to sit with the EC for the final time.
Approved with approval of agenda

| 4.00 | IEEE Staff Introductions | Nikolich | 2 | 08:06 AM |

Nikolich presented the following slide.

### 4.00 IEEE Staff supporting 802

1. Michelle Turner  Editorial Staff
2. Kathryn Bennett  Technical Program Development
3. Jonathan Goldberg  Technical Program Development
4. Jodi Haasz  International Affairs Senior Liaison
5. Greg Marchini  SA IT Staff
6. Christina Boyce  SA IT Staff

#### Invited Guests

1. Stefano Faccin/Qualcomm  802.11 guest speaker on 5G
2. Bill McCoy  self
3. tbd  tbd
4. tbd  tbd
5. tbd  tbd
6. tbd  tbd
4.01 Meeting Fee Waivers

- Invited Participants listed on previous slide
- 4 Waivers pre-approved at the 06OCT EC telecon, only one will be needed
- EC Motion:
  Approve waiving the registration fee for the above Invited Participants
  
  Mover: _____ Secounder: _____ Y/ ____ N/ ____ A

Chair noted that the EC had approved 4 waivers at the 06 Oct EC Teleconference Call for the Nov plenary already, only two waivers will be needed this session for Stefano Faccin and Bill McCoy.
Nikolich presented the following slide.

5.01 Chair’s Announcement

• Chair’s opening remarks
  – Nikolich elected to SA BoG for 2016-2017 term

  2016 BoG members:
  Bruce Kraemer, Andrew Myles, Glenn Parsons, Paul Nikolich,
  Don Wright, John Kulick, Yatin Trivedi, Phil Wennblom, Dong
  Liu, Kishik Park, Walter Weigel, Mark Epstein, Phil Winston,
  SASB Chair (tbd)
Announcement of 802 EC Interim Telecon (Tuesday 2 Feb 2016, 1-3pm ET)  

Nikolich 0 08:11 AM

Approved with approval of agenda

5.011 Interim EC telecon  
February meeting notice

• Interim EC meeting scheduled for  
  – 02FEB 1-3PM ET

5.02 BoG Actions

Nikolich 0 08:11 AM

Approved with approval of agenda

5.02 SA BoG Update

• BoG meeting

• IEEE BoD
  – The IEEE Global Public Policy Committee formed
    • Purpose: The Global Public Policy Committee shall advise IEEE through the IEEE Board of Directors on matters related to public policy.

It shall encourage, assist, coordinate, and oversee public policy activities throughout IEEE with the goal of enhancing and sustaining IEEE’s reputation as a globally-relevant resource of high-quality, balanced and effective advice, information and advocacy on public policy issues within IEEE’s sphere of technical competence and professional interest.
Approved with approval of agenda

5.03 SA Standards Board Actions

Project Authorization Approvals

New Projects: 03SEP2015: P802E, P802.1CM, P802.1Qen, P802.1Qcp, P802.1Xck, P802.11az, P802.19.1a

Modified PAR: 03SEP2015: P802.3bq, P802.15.9

Revisions: P802.15.3

Reaffirmations: none

Corrigendum: none

Withdrawals: none

Extension: P802.15.9

Other: none

5.03 SA Standards Board Actions

Standards Ratification Actions

New Standards: 03SEP2015: 802.1Qen, 802.22b
26OCT2015: 802.3bw

Revised Standards: 03SEP2015: 802.3

Reaffirmations: none

Corrigendum: none

Extensions: none

Withdrawals: none

Other Notes: see Agenda Item 5.143 Treasurers report on Financial Reporting, 802 is in compliance with the JUN2015 SASB directives
Approved with approval of agenda

5.04

LMSC Email Ballot Recap

<table>
<thead>
<tr>
<th>open date</th>
<th>topic</th>
<th>yes/no/abs/dnv*</th>
<th>result</th>
</tr>
</thead>
<tbody>
<tr>
<td>24JUL</td>
<td>Approve 802/SCC-42 Liaison agreement</td>
<td>13/00/00/03</td>
<td>pass</td>
</tr>
<tr>
<td>26JUL</td>
<td>Approve 802.15.3 revision CSD</td>
<td>14/00/00/02</td>
<td>pass</td>
</tr>
<tr>
<td>27JUL</td>
<td>Approve 802.15.3 rev title change</td>
<td>09/01/01/05</td>
<td>pass</td>
</tr>
<tr>
<td>30JUL</td>
<td>Approve 802.3 SG press releases</td>
<td>14/00/00/02</td>
<td>pass</td>
</tr>
<tr>
<td>12AUG</td>
<td>Approve 802 Coexistence reso for 3GPP12/00/01/03</td>
<td>14/00/00/02</td>
<td>pass</td>
</tr>
<tr>
<td>18SEP</td>
<td>Authorize P802.11ah to Sponsor Ballot</td>
<td>14/00/00/02</td>
<td>pass</td>
</tr>
<tr>
<td>19OCT</td>
<td>Authorize FCC filing of 29AUG Coex reso</td>
<td>14/00/00/02</td>
<td>pass</td>
</tr>
</tbody>
</table>

Misc.) Shorter Headers for EC Email Ballots implemented. Feedback?

*802 chair is counted as DNV unless his vote is required
Chair showed the following two slides -

5.05 EC Affiliation Update

The following changes were noted:

- David Law – Hewlett Packard Enterprise
- John D’Ambrosia - Self
- Jon Rosdahl – CSR Technologies Inc a Qualcomm Company
- Paul Nikolich - Octoscope
### 5.06 Tutorial/Information Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:00-7:30PM</td>
<td>802.3 Chair David Law: A Quick Walk Around the Block with PoDL</td>
<td>Room: Landmark BC</td>
</tr>
<tr>
<td>7:30-9:00PM</td>
<td>802.11 Chair Adrian Stephens: Perspectives on IEEE 802.11 on NGMN/5G</td>
<td>Room: Landmark BC</td>
</tr>
<tr>
<td>9:00-10:30PM</td>
<td>802.3 Chair: Object Storage—a new architectural partitioning in Storage</td>
<td>Room: Landmark BC</td>
</tr>
</tbody>
</table>

**Tuesday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:30-9:30PM</td>
<td>802E (formerly the Privacy EC Study Group) meeting</td>
<td>Room: Cotton Bowl</td>
</tr>
</tbody>
</table>

**Wednesday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30-3:30PM</td>
<td>Privacy EC Study Group meeting</td>
<td>Room:</td>
</tr>
<tr>
<td>7:00-9:30PM</td>
<td>Social Reception</td>
<td>Marsali Hall A</td>
</tr>
</tbody>
</table>

**Thursday**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00-10:00AM</td>
<td>Privacy EC Study Group meeting</td>
<td>Room:</td>
</tr>
</tbody>
</table>

### 5.07 List of Drafts to Sponsor Ballot

Approved with approval of agenda

### 5.07 Drafts to Sponsor Ballot

1. 802.01: none.
2. 802.03: bp 1000BASE-T1, bp 25G/40GBASE-T, br Interspersing Express Traffic, by 25Gb/s (all conditional).
3. 802.11: ai Fast Link Setup, a Extended Range (<1 GHz)
4. 802.15: 15.3 revision.
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: none.
5.08 Drafts to RevCom

1. 802.01: Qbs Frame Preemption, Qbs Scheduled Traffic Enhancements, AB-rev Station and MAC Connectivity Discovery, QCor1 Virtual LANs
2. 802.03: none.
3. 802.11: none.
4. 802.15: 15.4 revision, 15.4n China Medical Band, 15.4q Ultra Low Power (all conditional)
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: none.

5.09 Draft Documents to EC Ballot

1. 802.00: AX press release, several liaison letters to ITU-T SG15 MEF, IETF
2. 802.01: none.
3. 802.03: three liaison letters to ITU-T SG 15 (5 day review process per OM 8.2.2).
4. 802.11: liaison to 3GPP regarding radio measurement and RSSI (for information only, the subgroup communication to SDO will most likely be used per OM 8.2.2).
5. 802.15: press release on 802.15.4u.
6. 802.16: none.
7. 802.18: possible liaisons to ITU-R.
8. 802.19: liaison to 3GPP regarding LAA.
9. 802.21: none.
10. 802.22: none.
11. 802.24: liaison to Industrial Internet Consortium.
12. 802/JTC1 SC: tbd.
15. 802/Wireless Chairs SC: none.
STDs due for 10 yr maintenance by DEC15

- none

5.10 Draft PARs to NesCom

1. 802.d Amendment: URN Namespace
2. 802.1Q Multicast and Local Address Assignment
3. 802.3ca Amendment: 25 Gb/s and 100 Gb/s Passive Optical Network
4. 802.3cb Amendment: 2.5 Gb/s and 5 Gb/s Operation over Backplane and Copper Cables
5. 802. 15.3d Amendment100Gbps wireless switched point-to-point physical layer modification request
6. 802. 15.4t Amendment: Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for a High(er) Rate Physical (PHY) Layer
7. 802. 15.4u Amendment, Low-Rate Wireless Personal Area Networks (LR-WPANs) Amendment for use of the Indian 865-867 MHz band
8. 802. 16s Amendment, Fixed and Mobile Wireless Access in Channel Sizes up to 1.25 MHz

Withdrawal request
1. 802.16.3 Mobile Broadband Network Performance Measurements project
Nikolich presented the following slide.

### 5.11 Pre-PAR activity

<table>
<thead>
<tr>
<th>Group</th>
<th>New</th>
<th>Existing</th>
</tr>
</thead>
<tbody>
<tr>
<td>dot1</td>
<td>Note</td>
<td>Note</td>
</tr>
<tr>
<td>dot2</td>
<td>5G Single lane 50 Gb/s, 5G Next generation 100 Gb/s and 500 Gb/s, 5G 250Gb/s single mode fiber, Broadband Campus and Data Center Ethernet</td>
<td>5G Next Generation Ethernet Passive Optical Networking (ND-EPON), 1st and 2.5 Gb/s Ethernet Backplane and Short Reach Copper Cable, 1st ext</td>
</tr>
<tr>
<td>dot11</td>
<td>Long Range Low Power Topic Interest Group</td>
<td>Note, Wireless Next Generation Standing Committee</td>
</tr>
<tr>
<td>dot13</td>
<td>Note</td>
<td>5G Develop Consolided LLC 802.15.4 MAC, 1st ext Interest Groups: Terahertz, High Rate Rail Communications, 6Tich, Recommended practice on use of 802.15.4</td>
</tr>
<tr>
<td>dot15</td>
<td>Note</td>
<td>Note</td>
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<tr>
<td>dot19</td>
<td>Coexistence in the automotive environment Topic Interest Group</td>
<td>Note</td>
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<td>dot21</td>
<td>Note</td>
<td>Note</td>
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<td>dot22</td>
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<td>dotEC0</td>
<td>Note</td>
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</table>

Nikolich noted 3 proposed study groups in 802.3, and invited Mr. Law to give a verbal summary. Law also noted that there will also be a proposed ICAID – for 802.3 to look at other speeds / media for enterprise/campus/data center. Nikolich invited Stephens to give a summary of the 802.11 activity.

Shellhammer indicated that 802.19 had started a "Co-existence in the Automotive Environment" Topic Interest Group, and will be meeting for first time in Jan 2016.

Chair noted that this agenda item allows 802 to document the start of a duly appointed pre-par activities.

Heile noted 802.15 has 4 special interest groups.

- Terahertz
- High Rate Rail Communications
- 6Tich
- Recommended Practice on Use of 802.15.4

It was noted that Study Group webpage and tutorial webpages need to be fixed.

**Action Item – D'Ambrosia – Update 802 "Study Group” and "Tutorial webpages,“**
5.12 EC Action Item recap

- Open Action Items from March 2014 Plenary
  
  - Item 5.12 - Review rules regarding endorsement - utilization letter requirements for temporary appointment - Status: No action at this time. Language to be provided by March 2016.

- Open Action Items from July 2015 Plenary
  
  - Item 5.21 - Nikolich present plan for EC on Friday regarding reporting of IEEE EC financials into IEEE financial database.
  - Item 5.22 - Nikolich present plan for EC on Friday regarding reporting of IEEE EC financials into IEEE financial database.
  - Item 5.23 - Nikolich present plan for EC on Friday regarding reporting of IEEE EC financials into IEEE financial database.

- Open Action Items from OCT 2015 telecon
  
  - Open Action Items from OCT 2015 telecon
  
  - Time: 8:21 am

5.13 Review 802 Task Force Agenda

- Nikolich presented slide below. He asked if anyone wanted to add any items to task force agenda. No one had any input.

5.13 802 Task Force

- 802 Task Force, Thurs 10:30AM-12:30 (room: Pryor Crocket)

Tentative agenda

1. Open portion of meeting:
   1. Update on clarification of Indemnification Policy, 5 min, Nikolich
   2. IEEE SA staff update, 15 min, tbl
   3. Any other business?
   4. Action item review, 5 min, Nikolich

2. Closed portion of meeting:
   1. No executive session business.

3. Adjourn
Time: 8:21am

| 5.131 | DT | Indemnification Clarification Update | Nikolich | 2 | 08:33 AM |

Nikolich gave verbal update – no progress. Eileen Lach is the IEEE attorney, and she has not had time to progress.

**Action Item – Paul Nikolich to give update on "Indemnification Clarification" in January, 2016.**

Time: 8.24

| 5.140 | Officers / 802 Reports | Parsons | 5 | 08:35 AM |

Parsons presented slides in ec-15-0093-00-INTL-fellowship-program.pdf (see attached file).

Parsons introduced: Nabil Benamar and Dessalegn Yehula to the EC.

Time: 8:32am

| 5.141 | P&P update | Gilb | 5 | 08:40 AM |

Gilb showed and provided verbal update of changes to the following documents.

- WG P&P  
  IEEE_802_WG_PandP_v17.6-v17.5.doc (See attached document)
- Chair’s Guidelines  
  IEEE_802_Chairs_guidelines_v21_with_changes.pdf (See attached document)
- Operations Manual  
  IEEE_802_OM_proposed_v17.3_with_changes.pdf (See attached document)

Motions to approve all 3 documents will be brought forward on Friday.

| 5.142 | Current and Future venue report | Rosdahl | 10 | 08:45 AM |

Rozdahl presented Slide 91-r1, Page 3, Page 4, Page 5, Page 6, Page 7.

Rozdahl asked Bob Heile, Meeting Designee for Nov 2018 meeting in Asia venue, to give update.

Ritz Marriot in KL – but it is undergoing renovations, wasn’t sure there would be sufficient space. Heile got update that 802 meeting will fit, and

New event – Su Ju (Heile visited, but it is not done yet. He has additional pricing – it is within guidelines, but not as low as desired. More details on Thursday at EC meeting

Time: 8:55am

| 5.143 | Treasurer’s report | Chaplin | 5 | 08:55 AM |


**Action Item - Rosdahl noted that he has expenses to submit**

Chaplin noted a personal merger, and informed the EC of his new wife.
**Time: 9:02**

<table>
<thead>
<tr>
<th>Time</th>
<th>DT</th>
<th>Status Update - Get802</th>
<th>Marks</th>
<th>09:00 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marks</td>
<td>gave verbal update. Document 49r3, which was presented at Oct Telecon – no status change since then. Exec session set up for Thurs 4pm to 6pm to discuss follow-up</td>
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**Time: 9:05am**

<table>
<thead>
<tr>
<th>Time</th>
<th>II</th>
<th>January EC Workshop Update</th>
<th>Law</th>
<th>09:05 AM</th>
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<tbody>
<tr>
<td>Law</td>
<td>gave verbal update. Saturday of Interim meeting. Agenda items included so far:</td>
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<td></td>
<td>• TAG line for IEEE 802 press releases</td>
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<td></td>
<td>• Discussions of YANG models</td>
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<td></td>
<td>• Final clarification of indemnification policy</td>
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<td></td>
<td>• Update of patent policy</td>
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<td></td>
<td>• Can a study group develop one or more PARs</td>
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</table>

Law invited others to send him items.

**Time: 9:10am**

<table>
<thead>
<tr>
<th>Time</th>
<th>DT</th>
<th>Should EC hold a formal 802 EC meeting at the joint 802 January 2015 Interim Session?</th>
<th>Nikolich</th>
<th>09:10 AM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nikolich</td>
<td>led discussion. In general, there was no support from EC for EC meeting at January Interim.</td>
<td></td>
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</tbody>
</table>
Rasdahl presented the following slide.

5.147 University Outreach

• Contact from IEEE-SA was on Sabbatical.
• No Outreach this week.

Gilb gave verbal update on Student Paper update. Looking at getting final version on Friday for approval. Gilb thanked IEEE for support of flyer.
Thaler presented the following slides that had been sent to the 802 EC reflector.

Recommendation

Other cross IEEE 802 outward liaison focused groups are EC Standing Committees. (E.g. JTC 1, ISO, IETF). Radio regulatory should be the same

• Disband IEEE 802.18 at Nov Plenary
• Create an EC Standing committee for radio regulatory
  — To inform WGs of items needing action and prepare liaison communications to present to WGs for support

Pet Thaler, 9 Nov 2015

It was asked if there would be any further meetings at the Plenary – Thaler said she hasn't been getting much discussion, so thought it wasn't needed. Some members wanted to discuss further. 9am to 9:30am Tues 11/10 and 5pm to 6pm Wed 11/11 in Prior Crockett will be reserved.

Discussion about differences between TAG and Standing Committee. Procedurally – the TAG can't write anything that has a PAR. A standing committee – chair is appointed by EC Chair, and it doesn't have a standing membership.

It was requested that the WG chairs be allowed to discuss with the working groups – as the members of the WGs may be interested. Thaler to go to radio regulatory group to meet and discuss.
Zuniga gave verbal update that PAR was approved, and work will begin in 802.1 under Privacy Group.

Thaler presented the following slide:

**IEEE 802-IETF Standing Committee**

- List of items for coordination is at:
  - 10 open items (17 closed)
- Decided not to have a face to face in Jan 2016
  - Based on whether agenda items emerge
- New areas for coordination that arose after the September coordination call:
  - IEEE 802.11 multicast packet loss – concerns that higher packet loss for multicast in IEEE 802.11 is causing problems for IPv6 implementations
    - Discussed in IntArea; a mailing list will probably be created for experts to define the issue and plan for next steps
  - 802.15 development of a PAR for an 802.15.4 LLC (802.15.12)
    - IETF has projects on 6LoWPAN and 6tisch that would interact with this
    - Need to work closely with IETF to ensure this is coordinated with the existing work
Myles presented the following slides.

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**Nov 2015**

doc.: IEEE 802.11-15/1285r1

**IEEE 802 JTC1 Standing Committee**

**Nov 2015 opening report for EC**

9 Nov 2015

**Authors:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Company</th>
<th>Phone</th>
<th>email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Myles (Chair)</td>
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<td><a href="mailto:amyles@cisco.com">amyles@cisco.com</a></td>
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</tr>
</tbody>
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**Submission**  | **Slide 1**  | **Andrew Myles, Cisco**

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The IEEE 802 JTC1 SC has two slots at the Dallas plenary meeting but may not need them

Tuesday 10 Nov 2015, PM1
- Call to Order
- Select recording secretary (important!)
- Approve agenda
- Conduct meeting according to agenda
- Recess

Tuesday 12 Nov 2015, PM1
- Call to Order
- Conduct meeting according to agenda
- Adjourn

Submission
Andrew Myles, Cisco
The IEEE 802 JTC1 SC has a high level list of agenda items to be considered

In no particular order:

• Approve minutes
  – From interim meeting in Sept 2015 in Bangkok

• Review extended goals
  – From formalisation of status as SC in March 2014

• Review status of SC6 interactions
  – Review liaisons of drafts to SC6
  – Review notifications of projects to SC6
  – Review status of FDIS ballots

• Prepare for SC6 meeting in February 2016

• Prepare for SC6/WG7 meeting in November 2015

• Consider any motions
IEEE 802 has pushed 16 standards through PSDO process and have 8 in the pipeline

<table>
<thead>
<tr>
<th>IEEE 802 standard</th>
<th>60 day pre-ballot</th>
<th>5 month FDIS ballot</th>
<th>Comments resolved</th>
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</thead>
<tbody>
<tr>
<td>802</td>
<td>Passed Oct 2014</td>
<td>Passed 2 Nov 15</td>
<td>Discussion in Nov</td>
</tr>
<tr>
<td>802.1Xbx</td>
<td>Passed 19 Mar 15</td>
<td>Closes 28 Jan 16</td>
<td>Sent in Jun 2015</td>
</tr>
<tr>
<td>802.1Q-Rev</td>
<td>Passed 13 Mar 15</td>
<td>Closes 28 Jan 16</td>
<td>Sent in Jun 2015</td>
</tr>
<tr>
<td>802.1AX</td>
<td>Passed 30 May 15</td>
<td>Closes 20 Nov 15</td>
<td>No comments</td>
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<tr>
<td>802.1BA</td>
<td>Passed 23 Sep 15</td>
<td>-</td>
<td>Will be sent in Nov</td>
</tr>
<tr>
<td>802.1BR</td>
<td>Passed 23 Sep 15</td>
<td>-</td>
<td>Will be sent in Nov</td>
</tr>
<tr>
<td>802.22a</td>
<td>On hold</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>802.3bx</td>
<td>On hold</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
There are a few items of potential interest to the EC

- The PSDO process may prove useful for 802.3
  - IEC TC22 is now proposing a project to define "In-vehicle Gigabit Ethernet"
  - The ratification of 802.3 standards under PSDO may mitigate this sort of duplication

- The next SC6 meeting is in February 2016
  - Likely will have no IEEE 802 attendees
  - WG Chairs need to update their status reports by January
  - No substantive agenda currently available
Parsons presented the following slides. It was noted that the WTSA meeting currently not defined. If they can’t find someplace, they will use Geneva. Should be announced this month.
Background

• IEEE-SA is engaging more in International Standards governance and public policy

• ITU events in 2015
  ◦ ITU-T Review Committee
  ◦ ITU-T TSAG
    • Including Cooperation & Collaboration rapporteur group
  ◦ ITU World Summit on Information Society (WSIS)
  ◦ ITU Council

• IEEE-SA BOG – International SDO task group
  ◦ Provide guidance for the relationship between IEEE-SA and ITU, IEC and ISO
Objective

- Provide IEEE 802 input into IEEE-SA engagements with ITU
- Receive updates on IEEE-SA engagements with ITU
- Do not interfere with existing technical liaisons to ITU-T (e.g., in 802.1, 802.3)
- Do not interfere with existing regulatory liaisons with ITU-R (e.g., in 802.18)
LMSC P&P section 5.6, item #2
http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf

- The subgroup is responsible for assisting the Sponsor (e.g., drafting all or a portion of a document, drafting responses to comments, drafting public statements on standards, or other purely advisory functions).
November meeting plan

- Wednesday, 8-9 am

- Update on IEEE-SA BOG International SDO advisory group
- Summary of ITU-T SG20 IOT
- Preview of February ITU-T TSAG
- Planning for WTSA-16

Discussion of 1st draft of OM.

Time: 9:42

Lynch gave verbal update of business for week.
3GPP LAA Workshop

- 3GPP hosted a workshop on LTE Licensed Assisted Access (LAA) on August 29, 2015 in Beijing China
- LAA operates in the 5 GHz frequency band, also used by the most recent version of Wi-Fi (IEEE 802.11ac)
- The focus of the workshop was on coexistence of LAA and Wi-Fi in the 5 GHz frequency band
- A number of organizations were invited to attend and make presentations
- IEEE 802, Wi-Fi Alliance, Wireless Broadband Alliance, etc.
- Close to 300 people attended the workshop, which lasted all day
- There were six presentation each followed by good discussion as well as Q&A

3GPP LAA Workshop Presentations

- Licensed-Assisted Access to Unlicensed Spectrum – An Overview, 3GPP
- IEEE 802 submission to 3GPP LAA Workshop, IEEE 802
- Wi-Fi and LAA Presentation by Wi-Fi Alliance to 3GPP LAA Workshop, W-Fi Alliance
- 3GPP Programs for LTE in Unlicensed Spectrum – Market Drivers and Deployment Considerations, Wireless Broadband Alliance
- Contribution to 3GPP LAA Workshop, A Group of Cable Operators
- Automotive Perspective on Licensed Assisted Access, General Motors
- Presentations are available at:
Shellhammer introduced Joe Levy affiliated with Inter Digital to discuss the 5G related activities within and external to 802, who presented the following slides.

11-151271, r0. Slide 4, slide 7, slide 8, slide 12 (mtg times slide?)

Full presentation will be given @ 802.11 mid-week meeting on Wednesday.

Topic of unlicensed spectrum came up.
5.40 | IEEE-SA Reports
---|---


Approved with approval of agenda. **See attached file.**


Approved with approval of agenda. **See attached file.**


Approved with approval of agenda. **See attached file.**

5.44 | H* | IEEE-SA Active Standards Report | Kim | 0 | 09:53 AM |


Approved with approval of agenda. **See attached file.**


Rosdahl presented the slides in the **attached presentation.**
Nikolich showed latest update to EC meetings for week.

5.50 EC meetings for the week

(draft02)

Sunday 7:30-9:30pm    LMSC Rules Review (room Pryor Crocket)

Mon 8:00-10:00am       Opening Executive Committee meeting (Landmark D)
Mon afternoon          open
Mon 6:00-10:00pm       Tutorials (Landmark BC)

Tue 8:00am-8:30am      802/IETF Standing Committee (Pryor Crocket)
Tue 8:30am-9:00am      create Radio Regulatory Standing Committee discussion

Tue 1:30pm-3:30pm      802/JTC1/SC6 Standing Committee (Bryan-Beeman A)
Tue 4:00pm-6:00        open
Tue 7:30-9:30pm        802E Privacy project (Cotton Bowl)

Wed 8:00-9:00am        802/ITU Standing Committee (Pryor Crocket)
Wed 1:30-5:00pm        open
Wed 5:00-6:00pm        create Radio Regulatory Standing Committee discussion

Thu 7:00-8:00am        Plenary venue space allocation planning (Pryor Crocket)
Thu 8:00-9:00am        Future venue planning (Pryor Crocket)
Thu 9:00-10:00am       802 Chair’s Open Office hour (Pryor Crocket)
Thu 10:30-12:30pm      IEEE 802 Task Force (Pryor Crocket)
Thu 1:30-3:30pm (tentative)  802/JTC1/SC6 Standing Committee (Bryan-Beeman A)
Thu 4:00-6:00pm        get 802 agreement discussion, Executive Session (Pryor Crocket)
Thu 8:00-10:00am       open

Fri 08am-noon          open
Fri 01pm-06pm          closing Executive Committee meeting (Landmark D)

Time: Approximately 10:00am
Action Item Summary

Item 5.11  Action Item – D’Ambrosia – Update 802 "Study Group" and "Tutorial webpages."

Item 5.131  Action Item – Paul Nikolich to give update on "Indemnification Clarification" in January, 2016.

Item 5.143  Action Item - Rosdahl noted that he has expenses to submit

Motions Summary

Consent Agenda

| 3.00 | MI* | APPROVE Motion: Approve minutes of Jul 2015 Opening Meeting | D’Ambrosia | 0 | 08:06 AM |
| 3.01 | MI* | APPROVE Motion: Approve minutes of Jul 2015 Closing Meeting | D’Ambrosia | 0 | 08:06 AM |

* Motion #1
Move: Move to approve modified agenda
Moved: D’Ambrosia
Second: Gilb
Results: Motion approved unanimously without objection
Motion: approved
Reference: Agenda Item #2.00