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

Prepared by John D'Ambrosia, Recording Secretary

Monday, Nov 3, 2014 – 8:00 a.m.
All times CST

Grand Hyatt San Antonio
San Antonio, TX, USA

**EC members (or their representatives) present:**

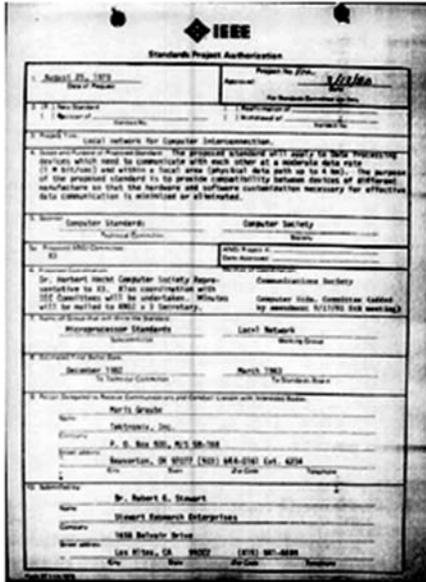| | |
|---|---|
| Paul Nikolich | Chair, IEEE 802 LAN/MAN Standards Committee |
| Pat Thaler | 1st Vice Chair, IEEE 802 LAN/MAN Standards Committee    (left at 10am) |
| James Gilb | 2nd Vice Chair, IEEE 802 LAN/MAN Standards Committee, |
| | Chair, IEEE 802.24 Smart Grid TAG |
| Clint Chaplin – | Treasurer, 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 |

**Nonvoting EC members present:**

| | |
|---|---|
| Geoff Thompson – | Member Emeritus |
| Canchi Radhakrishna – | Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group |
| Juan Carols Zuniga | Chair, Privacy EC Study Group |

**EC members absent:**


**Nonvoting EC members absent:**

| | |
|---|---|
| John Lemon – | Chair, IEEE 802.17 – Resilient Packet Ring Working Group |

NOV 2014
IEEE 802
LMSC

draft03

1

URL: https://mentor.ieee.org/802-ec/dcn/14/ec-14-0063-05-00EC-nov-2014-opening-agenda.xlsx

| r05 | | AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING | | | |
|---|---|---|---|---|---|
| | | Monday 8:00AM -10:30AM | | | |
| | | | | | |
| Key: | | ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item | | | |
| | | Special Orders | | | |
| | | Category (* = consent agenda) | | | |
| | | | | | |
| 1.00 | | MEETING CALLED TO ORDER | Nikolich | 1 | 08:00 AM |

Meeting called to order at 8:00am

| 2.00 | MI | APPROVE OR MODIFY AGENDA | Nikolich | 5 | 08:01 AM |
|---|---|---|---|---|---|

Discussion regarding agenda –

- Add "Chair's Announcements" – 5.035
- Add "EC Affiliation Update" – 5.036

| * Motion #1 | Move to approve modified agenda |
|---|---|
| Moved | DAmbrosia |
| Second | Chaplin |
| Results | 13-0-0 |
| Motion | Passes |
| | |
| Reference | Agenda Item #2.00 |

| r06 | | AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING | | | |
|---|---|---|---|---|---|
| | | Monday 8:00AM -10:30AM | | | |
| | | | | | |
| Key: | | ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item | | | |
| | | **Special Orders** | | | |
| | | **Category  (* = consent agenda)** | | | |
| | | | | | |
| 1.00 | | **MEETING CALLED TO ORDER** | Nikolich | 1 | 08:00 AM |
| 2.00 | MI | **APPROVE OR MODIFY AGENDA** | Nikolich | 5 | 08:01 AM |
| 3.00 | MI* | **APPROVE Motion: Approve  minutes of Jul 2014 Opening Meeting, 2014_0714_Open_Minutes_R1.pdf** | D'Ambrosia | 0 | 08:06 AM |
| 3.01 | MI* | **APPROVE Motion: Approve  minutes of Jul 2014 Closing Meeting, 2014_0718_Close_Minutes_R0.pdf** | D'Ambrosia | 0 | 08:06 AM |
| 3.02 | MI* | **APPROVE Motion: Approve  minutes of 07 Oct  conference call, 2014_10_07_Call_Minutes_R1.pdf** | D'Ambrosia | 0 | 08:06 AM |
| 3.03 | MI* | **APPROVE Motion: Approve  Private minutes of 15 July Exec Session, 2014_0715_Exec_Minutes_Priv_R0.pdf** | D'Ambrosia | 0 | 08:06 AM |
| 4.00 | II | **IEEE Staff Introductions** | Nikolich | 2 | 08:06 AM |
| 4.01 | MI | **Fee Waivers: Staff and Invited Guest TBD** | Nikolich | 3 | 08:08 AM |
| | | | | 0 | 08:11 AM |
| | | **LMSC items** | | 0 | 08:11 AM |
| 5.00 | | **Chair's Opening Report** | Nikolich | 0 | 08:11 AM |
| 5.01 | II* | **BoG Actions** | Nikolich | 0 | 08:11 AM |
| 5.02 | II* | **Stds Board Actions (approved projects, standards, withdrawals)** | Nikolich | 0 | 08:11 AM |
| 5.03 | II* | **LMSC Email Ballot Recap** | Nikolich | 0 | 08:11 AM |
| 5.035 | II | **Chair's Announcements** | Nikolich | 3 | 08:11 AM |
| 5.036 | II | **EC Affiliation Update** | Nikolich | 3 | 08:14 AM |
| 5.04 | II | **Tutorial Schedule / 802C PAR Discussion Meeting** | Nikolich | 10 | 08:17 AM |
| 5.05 | II | **List of Drafts to Sponsor Ballot** | Nikolich | 3 | 08:27 AM |
| 5.06 | II | **List of Drafts to Revcom** | Nikolich | 3 | 08:30 AM |
| 5.061 | II | **Draft documents to EC Ballot** | Nikolich | 3 | 08:33 AM |
| 5.07 | II | **PARS to NesCom** | Nikolich | 3 | 08:36 AM |
| 5.08 | II | **Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs** | Nikolich | 5 | 08:39 AM |
| 5.09 | II | **Action Item Recap (July 802 EC Sessions, EC Oct Teleconference)** | Nikolich | 10 | 08:44 AM |
| 5.091 | II | **Review 802 Task Force Agenda** | Nikolich | 5 | 08:54 AM |
| 5.10 | | **Officers / 802 Reports** | | | 08:59 AM |
| 5.11 | DT | **P&P update** | Gilb | 5 | 08:59 AM |
| 5.12 | II | **Plans for finalizing the "getIEEE 802" agreement** | Nikolich / Newman | 15 | 09:04 AM |
| 5.13 | II | **Future venue contract status** | Rosdahl | 10 | 09:19 AM |

| 5.14 | II | Treasurer's report | Chaplin | 5 | 09:29 AM |
|------|-----|------|------|-----|------|
| 5.15 | II | 802.24 TAG Update | Gilb | 5 | 09:34 AM |
| 5.16 | II | Privacy Recommendation ECSG Update | Zuniga | 5 | 09:39 AM |
| 5.17 | II | 802 Leadership Workshop Agenda Review | Mody / Das | 15 | 09:44 AM |
| 5.20 | | Standing Committee Reports | | | 09:59 AM |
| 5.23 | II | IEEE 802 / IETF Standing Committee Status Report and plans for week | Thaler | 5 | 10:09 AM |
| 5.21 | II | 802 JTC1 Standing Committee Status Report and plans for week | Myles | 5 | 09:59 AM |
| 5.22 | II | 802 EC / ITU Standing Committee Status Report and plans for week | Parsons | 5 | 10:04 AM |
| 5.24 | II | IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week | Heile | 5 | 10:14 AM |
| 5.25 | II | IEEE 802 Regulatory Report and plans for week | Lynch | 5 | 10:19 AM |
| 5.30 | | Liaison Reports | | | 10:24 AM |
| 5.33 | II | 3GPP Status Report | Nikolich / Shellhammer | 5 | 10:24 AM |
| 5.40 | | IEEE-SA Reports | | | 10:29 AM |
| 5.41 | II* | Document publication priority update | Turner | 0 | 10:29 AM |
| 5.42 | II | Get IEEE 802 Update | Kim | 3 | 10:29 AM |
| 5.43 | II* | IEEE-SA PR and Mktg Tracking Reports | Kim | 0 | 10:32 AM |
| 5.44 | II* | IEEE-SA Active Standards Report | Kim | 0 | 10:32 AM |
| 5.45 | II | IEEE-SA Global Activities Report | Kim | 2 | 10:32 AM |
| 5.50 | II | EC meeting schedule (rules, SA, etc.) | Nikolich | 3 | 10:34 AM |
| 5.51 | II | Action Item Review | Nikolich / DAmbrosia | 3 | 10:37 AM |
| | | | | | |
| | DT | ADJOURN SEC MEETING | Nikolich | | 10:30AM |

**ME - Motion, External**  **MI - Motion, Internal**

**DT- Discussion Topic**  **II - Information Item**

| 3.00 | MI* | APPROVE Motion: Approve minutes of Jul 2014 Opening Meeting, 2014_0714_Open_Minutes_R1.pdf | D'Ambrosia | 0 | 08:06 AM |
|------|-----|------|------|-----|------|
| 3.01 | MI* | APPROVE Motion: Approve minutes of Jul 2014 Closing Meeting, 2014_0718_Close_Minutes_R0.pdf | D'Ambrosia | 0 | 08:06 AM |
| 3.02 | MI* | APPROVE Motion: Approve minutes of 07 Oct conference call, 2014_10_07_Call_Minutes_R1.pdf | D'Ambrosia | 0 | 08:06 AM |
| 3.03 | MI* | APPROVE Motion: Approve Private minutes of 15 July Exec Session, 2014_0715_Exec_Minutes_Priv_R0.pdf | D'Ambrosia | 0 | 08:06 AM |

Approved with approval of agenda

Time:8:03am

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

Nikolich presented following slide.

## 4.00 IEEE Staff supporting 802

1. Michelle Turner    Editorial Staff
2. Catherine Berger   Editorial Staff
3. Lisa Perry         Technical Program Development
4. Kathryn Bennett    Technical Program Development

5. Soo Kim            Technical Program Development

## Invited Guests

1. tbd               tbd

6

| 4.01 | MI | Fee Waivers: Staff and Invited Guest TBD | Nikolich | 3 | 08:08 AM |
|---|---|---|---|---|---|

Nikolich presented following slides

## 4.01 EC Affiliation Update

**IEEE 802 Executive Committee Members**

| Position | Name | Affiliation |
|---|---|---|
| Chair | Paul Nikolich | Self-employed, YAS Broadband Ventures LLC, Samsung, Silver Spring Networks, Huawei, Intel, HP |
| First Vice Chair | Pat Thaler | Broadcom Corporation |
| Second Vice Chair | James P. K. Gilb | Tensorcom |
| Treasurer | Clint Chaplin | Samsung Electronics |
| Recording Secretary | John D'Ambrosia | Dell |
| Executive Secretary | Jon Rosdahl | CSR Technologies Inc. |
| P802.1 High Level Interface (HILI) | Glenn Parsons | Ericsson |
| P802.3 Ethernet | David Law | Hewlett Packard |
| P802.11 Wireless Local Area Network (WLAN) | Adrian Stephens | Intel Corporation |
| P802.15 Wireless Personal Area Network (WPAN) | Bob Heile | Wireless Communication Consulting, LLC., Zigbee Alliance |
| P802.16 Broadband Wireless Access | Roger Marks | EthAirNet Associates, ETRI |
| P802.18 Radio Regulatory TAG | Mike Lynch | MJ Lynch and Associates LLC, Silver Spring Networks |
| P802.19 Wireless Coexistence | Steve Shellhammer | Qualcomm Incorporated |
| P802.21 Media-independent Handover | Subir Das | Applied Communication Sciences |
| P802.22 Wireless Regional Area Networks | Apurva Mody | BAE Systems |
| P802.24 Smart Grid TAG | James P. K. Gilb | Tensorcom |
| Member Emeritus | Geoff Thompson | GraCaSI Advisors |
| Privacy Recommendations Exec. Comm. Study Group | Juan Carlos Zuniga | InterDigital Labs |

**Hibernating Working Groups**

| Group | Chair's name | |
|---|---|---|
| P802.17 Resilient Packet Ring | John Lemon | self |
| P802.20 Mobile Broadband Wireless Access | Radhakrishna Canchi | Kyocera Communications, Inc. |

4

# 4.01 EC Affiliation Update

- Changes in affiliation among EC members from previous slide?

# 4.01 Meeting Fee Waivers

- IEEE SA Staff listed on previous slide
- Invited Participants listed on previous slide

- EC Motion:
  Approve waiving of the registration fee for the above Staff and invited participants

  Consent Agenda item      Mover: Seconder: __Y/__N/__A

| * Motion #2 | Approve waiving of the registration fee for the above Staff and invited participants. |
|---|---|
| Moved | Law |
| Second | marks |
| Results | 13-0-0 |
| Motion | Passes |
| Reference | Agenda Item #4.01 |

| 5.00 | | Chair's Opening Report | Nikolich | 0 | 08:11 AM |
|---|---|---|---|---|---|
| 5.01 | II* | BoG Actions | Nikolich | 0 | 08:11 AM |

Approved with approval of agenda.

# 5.01 SA BoG Update

- BoG meeting 04SEP2014, teleconference
  - No 802 relevant developments

- BoG election results
  - Glenn Parsons won the 2015-2016 member at large position

- next BoG meeting 04-05DEC2014 in NJ
  - Deliberation of patent policy revisions

5

Approved with approval of agenda.

# 5.02a SA Standards Board Actions

## Project Actions

**New Projects:** 21AUG2014: P802.1AEcg, P802.1ARce, P802.3bw, P802.15.4s, P802.22.3

**Modified PAR:** none

**Revisions:** 27OCT2014: 802.3bx Standards for Ethernet revision.

**Reaffirmations:** none

**Corrigendum:** none

**Withdrawals:** none

**Extensions:** 802.11ah, 802.11ai.

**Other:** Type 2 Standards Coordinating Committee 42 Transportation approved
Yu Yuan/independent is Chair, PNikolich/self appointed Computer Society rep

6

# 5.02b SA Standards Board Actions

## Standards Actions

**New Standards:** none

**Revised Standards:** none.

**Reaffirmations:** none

**Corrigendum:** none

**Extensions:** none

**Withdrawals:** none

Other Notes:
1) none

7

| 5.03 | II* | **LMSC Email Ballot Recap** | **Nikolich** | **0** | **08:11 AM** |
|------|-----|------------------------|--------------|-------|--------------|

Approved with approval of agenda.

# 5.03 LMSC Email Ballot Recap

| | open date | topic | yes/no/abs/dnv | result |
|---|-----------|-------|----------------|--------|
| 1) | 31JUL | Confirm JC Zuniga Privacy ECSG Chair | 12/00/00/05 | pass |
| 2) | 27AUG | Approve 802.3bj press release | 14/00/00/03 | pass |
| 3) | 10OCT | Approve JAN2015 meeting fees | 08/01/01/05 | pass |

8

Nikolich presented the following slide.  No announcements were made.

## 5.035 Chair's Announcement

- Chair's opening remarks
  - tbd

9

Nikolich presented the following slide.  No announcements were made.

Nikolich presented the following slides.

# 5.036 EC Affiliation Update

IEEE 802 Executive Committee Members

| Position | Name | Affiliation |
|---|---|---|
| Chair | Paul Nikolich | Self-employed, YAS Broadband Ventures LLC, Samsung, Silver Spring Networks, Huawei, Intel, HP |
| First Vice Chair | Pat Thaler | Broadcom Corporation |
| Second Vice Chair | James P. K. Gilb | Tensorcom |
| Treasurer | Clint Chaplin | Samsung Electronics |
| Recording Secretary | John D'Ambrosia | Dell |
| Executive Secretary | Jon Rosdahl | CSR Technologies Inc. |
| P802.1 High Level Interface (HILI) | Glenn Parsons | Ericsson |
| P802.3 Ethernet | David Law | Hewlett Packard |
| P802.11 Wireless Local Area Network (WLAN) | Adrian Stephens | Intel Corporation |
| P802.15 Wireless Personal Area Network (WPAN) | Bob Heile | Wireless Communication Consulting, LLC., Zigbee Alliance |
| P802.16 Broadband Wireless Access | Roger Marks | EthAirNet Associates, ETRI |
| P802.18 Radio Regulatory TAG | Mike Lynch | MJ Lynch and Associates LLC |
| P802.19 Wireless Coexistence | Steve Shellhammer | Qualcomm Incorporated |
| P802.21 Media-independent Handover | Subir Das | Applied Communication Sciences |
| P802.22 Wireless Regional Area Networks | Apurva Mody | BAE Systems |
| P802.24 Smart Grid TAG | James P. K. Gilb | Tensorcom |
| Member Emeritus | Geoff Thompson | GraCaSI Advisors, Robert Bosch, Linear Technology |
| Privacy Recommendations Exec. Comm. Study Group | Juan Carlos Zuniga | InterDigital Labs |

Hibernating Working Groups

| Group | Chair's name | |
|---|---|---|
| P802.17 Resilient Packet Ring | John Lemon | self |
| P802.20 Mobile Broadband Wireless Access | Radhakrishna Canchi | Kyocera Communications, Inc. |

10

# 5.036 EC Affiliation Update

- Changes in affiliation among EC members from previous slide?

11

Thompson declared affilated Robert Bosch and Linear Technologies as affiliations.

Marks noted that there were webpage errors associated with Zuniga

Mike Lynch – delete Silver Springs

| 5.04 | II | Tutorial Schedule / 802C PAR Discussion Meeting | Nikolich | 10 | 08:11 AM |
|------|-----|------------------------------------------------|----------|-----|----------|

Nikolich presented following slide

## 5.04 Tutorial/Information Schedule

| Monday | Notes |
|--------|-------|
| 6:30-8:00PM, sponsored by 802.3 Chair David Law<br>**Gigabit Ethernet over Plastic Optical Fiber by Bob Grow et al** | Room: Texas AB |
| 8:00-9:30PM, sponsored by 802.3 Chair David Law<br>**Introduction to P802.3bn EPOC Protocol Mark Laubach et al** | Room: Texas AB |
| 9:30-10:30PM, sponsored by 802 Chair Paul Nikolich<br>**Discussion: IEEE 802c draft PAR "Local MAC Addressing"** | Room: Texas AB |
| **Tuesday** | |
| **7:30-9:30 PM  Privacy EC Study Group meeting**<br>Encourage cross-802 group discussion on this topic | Room: Lonestar B |
| **Wednesday** | |
| **6:30-10:00PM Social Reception** | Room: Theater Plaza |
| **Thursday** | |
| **7:30-9:30 PM  Privacy EC Study Group meeting**<br>Encourage cross-802 group discussion on this topic | Room: Lonestar B |

12

Discussion about Monday night meeting about IEEE 802c draft PAR "Local MAC Addressing".  Concerns were raised about the holding of this meeting, but it was noted that it had led to discussion between the different working groups.

| 5.05 | II | List of Drafts to Sponsor Ballot | Nikolich | 3 | 08:21 AM |
|------|-----|----------------------------------|----------|---|----------|

Nikolich presented following slide

# 5.05 Drafts to Sponsor Ballot

1. 802.01: none:
2. 802.03: none.
3. 802.11: none.
4. 802.15: none.
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: P802.22b Broadband Services and Monitoring Applications (conditional)
9. 802.24: none.

13

| 5.06 | II | List of Drafts to Revcom | Nikolich | 3 | 08:24 AM |
|------|-----|--------------------------|----------|---|----------|

Nikolich presented following slide

# 5.06 Drafts to RevCom

1. 802.01:
2. 802.03: P802.3bm 40 Gb/s and 100 Gb/s Over Fiber Optic Cable (conditional).
3. 802.11: none.
4. 802.15: none.
5. 802.16: P802.16q Multi-tier networks (conditional)
6. 802.19: none.
7. 802.21: none:
8. 802.22: none:
9. 802.24: none.

14

| 5.061 | II | Draft documents to EC Ballot | Nikolich | 3 | 08:27 AM |
|---|---|---|---|---|---|

Nikolich presented following slide

# 5.061 Draft Documents to EC Ballot

1. 802.00  3GPP liaison/presentation on Coexistence Lessons Learned.
2. 802.01:
3. 802.03:  several liaison letters to SC6, SC25 and ITU-T.
4. 802.11:  liaison letters to SC6
5. 802.15:  none:
6. 802.16:  liaison statement
7. 802.18:  FCC communication.
8. 802.19: SG press release.
9. 802.21: none:
10. 802.22: none:
11. 802.24: none.
12. 802/JTC1 SC:
13. 802/ITU SC: none.
14. 802/IETF SC: none.

15

| 5.07 | II | PARS to NesCom | | Nikolich | 3 | 08:30 AM |
|------|-----|----------------|--|----------|---|----------|

Nikolich presented following slide

# 5.07 Draft PARs to NesCom

1. 802c amendment, Local MAC Addressing.
2. 802.1AS-rev Timing and Sync for Time-Sensitive Applications.
3. 802.1Qch amendment, Cyclic Queuing and Forwarding.
4. 802.3bv amendment, 1000 Mb/s Operation Over Plastic Optical Fiber.
5. 802.3by amendment, 25 Gb/s Operation.
6. 802.15.7a amendment, Optical Camera Communications.
7. Maintenance: Potential changes to 802.16r PAR.
8. Additional potential maintenance PARs TBD.

17

Time:8:22

| 5.08 | II | Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs | Nikolich | 5 | 08:33 AM |
| --- | --- | --- | --- | --- | --- |

Nikolich presented following slide

## 5.08 Pre-PAR activity

| Group | New | Existing |
| --- | --- | --- |
| dot01 | None. | None. |
| dot03 | SG Next Gen Enterprise Access PHY.<br>SG 25GBASE-T PHY. | SG 25Gb/s operation over a single lane, 1st ext.<br>SG Gigabit POF, 2nd ext. |
| dot11 | SG related to Positioning<br>Wireless Next Generation standing committee | SG Next Generation 60 GHz:, 1st ext. |
| dot15 | SG MAC Enhancements to 802.15.3<br>SG Link Dependability | SG Spectrum Resource Utilization (2nd ext):<br>SG EU regional low data rate phy(1st ext):<br>SG Ranging protocol (1st ext):<br>SG Camera Communications (2nd ext).<br>Interest Group: Enhanced Dependability: |
| dot16 | None. | None. |
| dot18 | None. | None. |
| dot19 | SG Coexistence in Unlicensed Bands. | None. |
| dot21 | None. | None. |
| dot22 | None. | None. |
| dot24 | None. | None. |
| dotECSG | | SG: Privacy Recommendations (1st ext). |

18

Time:

| 5.09 | II | Action Item Recap (July 802 EC Sessions, EC Oct Teleconference) | Nikolich | 10 | 08:38 AM |
|------|----|----------------------------------------------------------------|----------|----|----------|

Nikolich presented following slides

Slide shown includes updates per discussion of EC Meeting..

# 5.09 EC Action Item recap

- Open Action Items from November 2013 EC Workshop
  - 4.00/ws12-16 ~~Adrian and Geoff to work on IT communications mechanism, complete TBD~~
  - 4.00/ws13-02 Roger ~~and Clint~~ to complete WG ballot notice action, complete Nov. 2014 plenary
- 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 15.
  - 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 / DÁmbrosia to define process and webpage. Under discussion, complete March 2015.
- Open Action Items from June 2014 telecon--NONE
- Open Action Items from July 2014 Plenary
  - Item 4.04 Rosdahl to lead email reflector discussion on use of time in relation to tutorials. Status: in process. Complete: 08NOVWorkshop.
  - Item 6.11 Gilb/Thaler review rules regarding teleconferences for ECSGs. Status: discuss during EC Workshop. Complete: March 2015
  - ~~Item 8.036 Parsons/Thaler to set up their standing committee reflectors. Status: ? Complete Nov 2014 plenary.~~
- Open Action Items from October 2014 telecon
  - Item 3.00 Nikolich to add EC workshop agenda item for long term financial planning and impact on registration fees. Stephens/Rosdahl/Chaplin to work off line to prepare analysis and recommendations. Complete Nov 2014 EC workshop
  - Item 5.12 D'Ambrosia to speak with Nikolich/Marks about formation of a Business Development Standing Committee. Status: in process. Complete January 2015.
  - Item 5.13 Nikolich to appoint committee on network service provider RFP. Status: in process. Complete Nov. 2014 plenary
  - Item 11 Mody, add to workshop: non-NA meetings, LTE unlicensed, Indemnification policy, SA Internet Governance and 802, conflict of registration fee deadlines and meeting notices. Complete Nov 2014 plenary
  - Item 16. SA staff to provide SA Internet Governance tutorial at EC Workshop, 30 min. Complete Nov 2014 workshop.

19

# 5.092 Interim EC telecon February meeting notice

- Schedule interim EC meeting for
  - 03FEB 1-3PM ET

20

Nikolich presented following slides

# 5.091 802 Task Force

- 802 Task Force, Thurs 10:30AM-12:30 (room: Crockett A)
  Tentative agenda
  1. 802/SA Roles and Responsibilities document, 15 min, Thompson
  2. SA tools re-architecture status update, 15 min, Kim
     1. Mentor
     2. Everything else
  3. Any other business?
  4. Action item review, 10 min, Nikolich
  5. 11:30AM Executive Session commences
     1. Get IEEE 802 program review, 30 minutes, Nikolich
     2. Indemnification policy clarification status update, 30 minutes, Nikolich
  6. Adjourn

21

Clarification – For EC Session, Chair has determined at this time Adam will be attending , other staff may be invited.

Question was asked why Item on Indemnificaiton Policy Clarification was done under Exec Session.  IEEE Legal has not agreed to discussing this publicly yet.

| 5.10 | | Officers / 802 Reports | | | 08:53 AM |
|------|------|------|------|------|------|
| 5.11 | DT | P&P update | Gilb | 5 | 08:53 AM |

Gilb presented the following slides and provided summary of comments highlighted in the slides. See
https://mentor.ieee.org/802-ec/dcn/14/ec-14-0066-02-00EC-november-2014-rule-changes.pdf

October 2014                                                                                   ec-14-0066-00-00EC

# Proposed rule changes for November 2014

IEEE 802 LMSC EC                          Slide 1                          James Gilb (Tensorcom)

# Guidelines for IEEE-SA Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

- **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

- **Don't discuss specific license rates, terms, or conditions.**
  - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
    - Technical considerations remain primary focus

- **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

- **Don't discuss the status or substance of ongoing or threatened litigation.**

- **Don't be silent if inappropriate topics are discussed... do formally object.**

---

**If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/about/sasb/patcom/index.html**

**See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.**

**This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt**

---

IEEE 802 LMSC EC                                  Slide 2                              James Gilb (Tensorcom)

---

# 4.1.5 Revision of OM and WG P&P

- Revisions to these documents shall be submitted by a Sponsor member to the Sponsor no less than 30 day in advance of a Sponsor Vote to approve them. The Sponsor member proposing the revision may modify the proposed revision during the 30 days prior to a Sponsor Vote (in response to comments). Insufficient time to consider complex modifications is a valid reason to vote disapprove. A motion to revise these documents shall require a vote of approve by at least two thirds of all voting members of the Sponsor. Votes to approve revisions shall be taken at a plenary session. If approved, revisions become effective at the end of the plenary session where the votes were taken.

- We have 6 officers, 10 voting WG/TAG chairs (one overlap)
  - 15 voting members, 2/3 approval is 10 affirmative votes

---

IEEE 802 LMSC EC                                                                     James Gilb (Tensorcom)

# OM proposed changes

# 4.3 Study Groups

- 4.3.1 Study group operation
  - Progress of each Study Group shall be presented at the closing Sponsor meeting of each IEEE 802 LMSC plenary session by the appropriate WG, TAG, or ECSG Chair. Study Groups may elect officers other than the Chair, if necessary, and will follow the general operating procedures for WGs specified in the IEEE 802 LMSC WG P&P.  Because of the limited time duration of a Study Group, no letter ballots are permitted.
  - The election of an ECSG Vice Chair is subject to confirmation by the Sponsor.
- Comment: Clarify WG P&P application to ECSG, WGSG; proposed resolution is to delete the text as shown.

# WG P&P proposed changes

# Overview

- After a Sponor's P&P is approved, AudCom reviews one of the WG's P&P
- IEEE 802's WG P&P was submitted for review
- However, it is not based on the current WG P&P baseline
- Goal is to update the WG P&P to use the current WG P&P baseline

# Changes, Clause 1-3

- Clause 1 → Clause 1.01
  - Removed "Unless otherwise specified, the term WG applies to both WGs and TAGs"
  - Should be added back in. Perhaps there is another location (other than a non-modifiable clause) to place this. Is changing it in Clause 1.02 OK?
- Clause 2 → Clause1.02
  - Change "by the WG" to be "by the IEEE 802 Working Groups and Technical Advisory Groups, hereinafter referred to as "the Working Group".
  - Change "by the WG" to be "by an IEEE 802 Working Group (WG) or Technical Advisory Group (TAG), hereinafter referred to as "the Working Group".
- Clause 3 → Clause 1.03
  - No changes

IEEE 802 LMSC EC             Slide 8             James Gilb (Tensorcom)

---

# Clause 4 → Clause 1.04

- Same except last paragraph:
  - Was "The standards development process should strive to have both a balance of interests and not be dominated by any single interest category."
  - Now "In addition, due process requires openness and balance (i.e., the standards development process shall strive to have a balance of interests and not to be dominated by any single interest category). However, for the IEEE Standards Sponsor ballot, there shall be a balance of interests without dominance by any single interest category."

IEEE 802 LMSC EC             Slide 9             James Gilb (Tensorcom)

# Clause 5 → Clause 2.0

- Deleted first paragraph "Each draft standard produced by a WG must be within the scope of Sponsor and the scope of the WG as determined by the Sponsor. It must also be within the scope of an approved PAR."
- Item a)
  - Was "within the allotted times (normally 48 months) that are assigned to them by the Sponsor"
  - Now "as specified by the PAR, and in compliance with IEEE Standards policies and procedures"
- Delete item f) "Maintain and amend existing standards issued by IEEE developed by the WG"
  - Add it back in, delete "and ammend", at the end, add ", or assigned to the Working Group by the Sponsor".

---

# Clause 5 → Clause 2.0 (cont.)

- Deleted last two paragraphs:

"Primary responsibility for achieving these goals shall sit with the WG Chair. The WG Chair may assign activities within the WG (in ways compliant with this document and other WG approved documents) so as to facilitate completion of those activities. The WG chair may assign to and be advised by others (Task Group Chairs, Task Force Chairs, Advisory Groups, etc) on matters within the WG to ensure they are attended to and completed.

The WG shall periodically review and confirm that the response to the five criteria, refer to the "Criteria for standards development" subclause in the IEEE 802 LMSC Operations Manual , used to approve its PAR(s) still reflect the state of the project(s) to which they relate. Should a WG need to modify the responses to the five criteria during a projects' development in order to accurately reflect the state of the project, the modified responses shall be submitted to the Sponsor for approval."

- Rationale: The first paragraph is covered by the WG Chair responsibilities and the second paragraph is covered by the IEEE 802 LMSC OM,10.2.

# Clause 6.1 → Clause 3.0

- Added "A person may simultaneously hold the positions of Secretary and Treasurer."
- Membership requirements for Chair and Vice Chairs
  - Was "All WG Chairs and Vice Chairs shall be members of the IEEE SA and non-student members or affiliate of either the IEEE or the IEEE Computer Society.
  - Now "The Chair and Vice Chair(s) shall each be IEEE members of any grade, except Student grade, or IEEE Society affiliates, and also be members of IEEE-SA."
- Deleted "The specific WG officers and their activities should be described in a WG Operations Manual if one exists."
- Deleted last two paragraphs

IEEE 802 LMSC EC  Slide 12  James Gilb (Tensorcom)

---

# Clause 6.1 → Clause 3.0 (cont.)

- Deleted last two paragraphs
- "At the first plenary session, the WG shall elect its chair and vice chair(s) in accordance with the procedures of the Sponsor, and, where necessary, Robert's Rules of Order. WG officers should read the training material available through IEEE Standards Development Online [6] ."
  - Covered under elections
- "Initial appointments and temporary appointments to fill vacancies due to resignations or removals for cause, may be made by the Sponsor Chair, and shall be valid until the end of the next plenary session."
  - Covered in 3.2 Temporary appointments to vacancies

IEEE 802 LMSC EC  Slide 13  James Gilb (Tensorcom)

# Clause 6.2 → 3.1

- Election of officers
- No changes, we are allowed to define "a similar process"

# Clause 6.3 → 3.2

- Temporary appointments (may be modified)
- Slight rewording
  - Was "If an office becomes vacant due to resignation, removal, lack of nomination at an election or for another reason, a temporary appointment shall be made for a period of up to six months. In the case of Chair or Vice-Chair, the Sponsor Chair shall make the temporary appointment, with input from the WG. In the case of Secretary, the WG Chair shall make the temporary appointment. An appointment or election for the vacated office shall be conducted at the earliest practical time."
  - Now "If an office other than the Chair or Vice Chair becomes vacant for any reason (such as resignation, removal, lack of nomination at an election), a temporary appointment shall be made by the Chair for a period of up to six months. In the case of Chair or Vice Chair, the Sponsor Chair shall make the temporary appointment, with input from the Working Group. An appointment or election for the vacated office shall be made in accordance with the requirements in Clause 3.0 and 3.1 at the earliest practical time."

# Clause 6.4 → 3.3

- Removal of officers (may be modified)
- No changes

# 6.5 → 3.4

- Added new paragraphs:
  - Elected and appointed officers of the Working Group have a fiduciary duty to the IEEE when acting in their officer role and thus are required (a) to act in the best interest of the IEEE, its members and the general public and not on behalf of any individual, entity or interest group, (b) to comply with all applicable policies and procedures, and (c) to see that participants of the Working Group conduct themselves in accordance with the applicable policies and procedures.
  - The officers of the Working Group shall manage the day-to-day operations of the Working Group. The officers are responsible for implementing the decisions of the Working Group and managing the activities that result from those decisions.

# 6.5.1 → 3.4.1 (Chair)

- Can be modified only to add responsibilities
  - Note: I deleted from the baseline "Forming Study Groups as necessary" as it conflicts with our P&P
  - Rationale: This conflicts with our P&P, section 5.4.
- Deleted "The main responsibility of the WG Chair is to enable the WG to operate in an orderly fashion, produce a draft standard, recommended practice, or guide, or to revise an existing document."
- Some of the tasks are reworded but same intent.
- Added "Being familiar with training materials available through IEEE Standards Development Online."

# 6.5.1 → 3.4.1 (cont.)

- Deleted the following (Add them all back in):
  - n) To call meetings and issue a notice for each meeting at least 30 calendar days prior to the meeting
  - o) To ensure agendas are published at least 14 calendar days before a meeting
  - p) To ensure important requested documents are issued to members of the WG, the Sponsor, and liaison groups.
  - q) To ensure a membership roster is created and maintained
  - r) To ensure participant attendance is recorded at each meeting
  - s) To be responsible for the management and distribution of WG documentation in compliance with IEEE-SA guidelines, including but not limited to guidelines with regard to posting and distribution of drafts and approved IEEE standards.
  - t) To ensure lists of unresolved issues, action items, and assignments are maintained
  - u) To maintain liaison with other organizations at the direction of the Sponsor or at the discretion of the WG Chair with the approval of the Sponsor

# 6.5.1 → 3.4.1 (cont. 2)

- Deleted the following:
  - v) To ensure that any financial operations of the WG comply with the requirements of clause 14 of this P&P
  - w) To establish WG rules beyond the WG rules set down by the Sponsor. These rules must be written and all WG members must be aware of them
  - x) To assign/unassign subtasks and task leaders (e.g., secretary, subgroup chair, etc.)
  - y) To determine if the WG is dominated by an organization and, if so, treat that organizations' vote as one (with the approval of the Sponsor)
  - z) To manage balloting of projects
  - aa) To decide which matters are procedural and which matters are technical
  - ab) To decide procedural matters or defer them to a vote by the WG
  - ac) To place issues to a vote by WG members
  - ad) To preside over WG meetings and activities of the WG according to all of the relevant policies and procedures

# 6.5.2 → 3.4.2 (Vice Chair)

- Added "Being knowledgeable in IEEE standards processes and parliamentary procedures and assisting the Chair in ensuring that the processes and procedures are followed."

# 6.5.3 → 3.4.3 (Secretary)

- New tasks (if not give to Secretary, needs to be given to other officers)
  - a) Scheduling meetings in coordination with the Chair and distributing meeting notices.
  - b) Distributing meeting agenda (as per 6.0). Notification of the potential for action shall be included on any distributed agendas for meetings.
  - c) Recording minutes of each meeting according to Clause 6.5 and IEEE guidelines (see http://standards.ieee.org/develop/policies/stdslaw.pdf), and publishing them within 60 calendar days of the end of the meeting.
  - d) Creating and maintaining the participant roster and submitting it to the IEEE Standards Association annually.
  - e) Being responsible for the management and distribution of Working Group documentation.
  - f) Maintaining lists of unresolved issues, action items, and assignments.
  - g) Recording attendance of all attendees.
  - h) Maintaining a current list of the names of the voting members and distributing it to the members upon request.
  - I) Forwarding all changes to the roster of voting members to the Chair.
  - j) Being familiar with training materials available through IEEE Standards Development Online

# 6.5.4 → 3.4.4 (Treasurer)

- Two changes
  - Added "Being familiar with training materials available through IEEE Standards Development Online"
  - Deleted "Bring any discrepancies between the requirements of the IEEE financial operations manual and sponsor P&P to the attention of the sponsor"

# 7.1 through 7.2.4

- 7.1 → 4.1: No substantive changes
- 7.2, 7.2.1-7.2.4 → 4.1.1, 4.1.1.1-4.1.1.4: Copy from our existing rules

# 7.2.5 → /dev/null

- Was:
  - The rights of the WG's members include the following:
    - a) To receive a notice of the next session
    - b) To receive a copy of the minutes
    - c) To vote at meetings if and only if present
    - d) To vote in WG Letter Ballots
    - e) To examine all Working Draft documents
    - f) To lodge complaints about WG operation with the Sponsor
    - g) To petition the Sponsor in writing
  - Members of WG/TAG's are members of IEEE 802 LMSC. A petition signed by two-thirds of the membership of IEEE 802 LMSC forces the Sponsor to implement the resolution if allowed by applicable governance.

# 7.2.5 → 4.5 (or other appropriate location) Add back in.

- Add in the following to match our old rules
  - The rights of the Working Group's members include the following:
    - a) To receive a timely notice of the next session
    - b) To receive a copy of the minutes
    - c) To vote at meetings if and only if present
    - d) To vote in Working Group Letter Ballots
    - e) To examine all the Working Group ~~Working~~ Draft documents
    - f) To lodge complaints about Working Group operation with the Sponsor
    - g) To petition the Sponsor in writing

# 7.2.6 → /dev/null

- Meetings and participation, was:
  - WG meetings are open to anyone who has complied with the registration requirements (if any) for the meeting. Only members have the right to participate in the discussions. The privilege of observers to participate in discussions may be granted by the WG Chair.
  - Suggest add back in, unless covered elsewhere.

# New subclause, 4.2

- 4.2 Review of Membership
- The Chair shall review the voting membership list at least annually. Voting members are expected to fulfill the obligations of active participation as defined in Clause 4.1.1. When a voting member is found in habitual default of these obligations, the Chair shall consider the matter for appropriate action, which may include termination of membership.
  - Rationale: This is already covered in our text, but in the baseline our rules aren't there. While it may be redundant, it doesn't hurt to keep it.

# 8.1 → 4.3

- 1st paragraph: No change
- 2nd paragraph: "~~The WG Chair~~ A Working Group officer or ~~WG Chair's~~ designee" shall maintain a current and accurate roster of members and participants in the Working Group.
- Item d)
  - Was: "Members (including names, email addresses, and affiliations for all members)"
  - Now: "Members and participants: for each, include name, email address, affiliation, and membership status (e.g., participant, voting member, etc.).
    - Note: Should we include particpants?

# 8.1 → 4.3 (cont.)

- New paragraph:
  - All Working Group members are required to review their information contained in the roster following each meeting they attend. If a Working Group meets only virtually, it shall determine a schedule to check the accuracy of the roster periodically.

- Last paragraph:
  - "... unless all Working Group members and participants have submitted ...".

IEEE 802 LMSC EC             Slide 30             James Gilb (Tensorcom)

# 8.2 and 7.3

- 8.2 → 4.4: No changes
- 7.3 → 5.0: Subgroups
  - The Working Group may, from time to time, form subgroups for the conduct of its business. Membership in the subgroup is granted to any member of the Working Group. Such formation shall be explicitly noted in an official record, such as the meeting minutes. At the time of formation, the Working Group shall determine the scope and duties delegated to the subgroup, and may decide to allow participation of non-Working Group members and the terms and conditions under which such members participate in the subgroup. Any changes to its scope and duties will require the approval of the Working Group. Any resolution of a subgroup shall be subject to confirmation by the Working Group."
  - The Chair of the Working Group shall appoint the Chair of the subgroup.

IEEE 802 LMSC EC             Slide 31             James Gilb (Tensorcom)

# 10 → 6.0 Meetings

- Working Group meetings may be conducted either exclusively in-person or in-person with one or more participants contributing via electronic means, or exclusively via electronic means. Working Group meetings shall be held, as decided by the Working Group, the Chair, or by petition of 15% or more of the voting members, to conduct business, such as making assignments, receiving reports of work, ~~considering~~ progressing draft standards, resolving differences between subgroups, and considering views and objections from any source. A ~~WG~~ meeting notice shall be ~~announced~~ distributed, by a Working Group officer or designee, 30 calendar days in advance to all participants. A~~n~~ meeting agenda shall be distributed to all participants at least 14 calendar days in advance of a meeting. (Meetings of subgroups may be held as decided upon by the members or Chair of the subgroup.) Notification of the potential for action shall be included on any distributed agendas for meetings.

# 10 → 6.0 Meetings (cont.)

- ~~The WG, or meeting host, may charge a meeting fee to cover services needed for the conduct of the meeting. The fee shall not be used to restrict participation by any interested parties.~~
- While having a balance of all interested parties is not an official requirement for a WG, it is a desirable goal. As such, the officers of the WG should consider issues of balance and dominance that may arise and discuss them with the Sponsor. ~~A balanced body is required for IEEE Standards Sponsor ballot.~~
- Participants shall be asked to state their employer and affiliation at each Working Group meeting as required by ~~5.3.3.1 of SASB OM [2]~~ the *IEEE-SA SA Standards Board Operations Manual* (Section 5.3.3.1 Disclosure of Affiliation).
- Please note that all IEEE Standards development meetings are open to anyone who has a material interest, has complied with the registration requirements (if any) and wishes to attend. However, some meetings may occur in Executive Session (see Clause 6.3).

# 9.5 → 6.1 Quorum

- ~~The presence of a~~A quorum ~~must~~ shall be identified and announced ~~by the WG Chair at the beginning of each meeting~~ before the initiation of Working Group business at a meeting, but if a quorum is not present, actions may be taken subject to confirmation by letter or electronic ballot, as detailed in Subclause 7.2 or at the next Working Group meeting. Unless otherwise approved by the Sponsor, a quorum shall be defined as one-third of Working Group voting members. ~~If a quorum is not present actions may be taken subject to confirmation by letter or electronic ballot, as detailed in 9.4, or at the next Working Group meeting~~.

# 11 → 6.2 Conduct

- ~~It is expected that participants in the WG behave in a professional manner at all times.~~ Meeting attendees ~~Participants~~ shall demonstrate respect and courtesy towards ~~officers and~~ each other, and shall allow each participant ~~while allowing participants~~ a fair and equal opportunity to contribute to the meeting, in accordance with the IEEE Code of Ethics ~~[9]~~.

- All Working Group participants shall ~~comply with all applicable laws (nation-based and international) and~~ act in accordance with all IEEE Standards policies and procedure ~~[3]~~. Where applicable, Working Group participants shall comply with IEEE Policies Section 9.8 on Conflict of Interest.

# New subclauses 6.3 and 6.4

- ## 6.3 Executive Session
  - Meetings to discuss personnel or sensitive business matters (e.g., the negotiation of contracts), or for other appropriate non-public matters (e.g., the receipt of legal advice), may be conducted in Executive Session.

- ## 6.4 Meeting Fees
  - The Working Group, or meeting host, may charge a meeting fee to cover services needed for the conduct of the meeting. The fee shall not be used to restrict participation by any interested parties.

# New subclause 6.5 Minutes (1)

- ## 6.5 Minutes (shall not be modirfied)
  - The minutes shall concisely record the essential business of the Working Group, including the following items at a minimum:
    - a) Name of group
    - b) Date and location of meeting
    - c) Officer presiding, including the name of the secretary who wrote the minutes
    - d) Attendance, including affiliation
    - e) Call to order, Chair's remarks
    - f) Approval of minutes of previous meeting
    - g) Approval of agenda

# New subclause 6.5 Minutes (2)

- (6.5 continued)
    - h) Technical topics
        - 1) Brief summary of discussion and conclusions
        - 2) Motions, including the names of mover and seconder
    - i) Items reported out of executive session
    - j) Next meeting--date and location
    - Copies of handouts and subgroup reports may be included in the minutes or made available as separate items.
- Previously, we had in Secretary's duties:
    - The meeting minutes are to include:
        - List of participants, their employers and affiliations
        - Next meeting schedule
        - Agenda as revised at the start of the meeting
        - Voting record (Resolution, Mover / Second, Numeric results)

# 9.1 → 7.1 Approval of an action

- In item b) "... , excluding abstentions), ~~unless identified otherwise elsewhere in these P&P~~ provided a majority of all the voting members of the Working Group responded.

- Note that the baseline WG P&P only requires 2/3 approval to forward a standard. Sponsor ballot still require 75%. I will ask AudCom for clarification

# 13.0 → 8.0 Communications

- Added "Communications shall be in compliance with the Sponsor's communication requirements."

# 9.2 → 7.2

- 9.2 → 7.2: No changes
- 9.3 → 7.3
  - Note: The baseline only has three items here, do we want to keep all of ours?
  - Deleted "e) Permit officer to run for election who has held the office for five (5) or more full or partial terms
  - Added:
    - Footnote to a) Approval of change of the WG scope, "Item a) is subject to confirmation by the Sponsor. "
    - "b) Establishment of fees, if necessary

# 13.0 → 8.0 Communications

- Added "Communications shall be in compliance with the Sponsor's communication requirements."

# 12 → 9.0 Appeals

- Was:
  - The WG recognizes the right of appeal. If technical or procedural appeals are referred back to the WG, every effort should be made to ensure that impartial handling of complaints regarding any action or inaction on the part of the WG is performed in an identifiable manner.
  - If the WG must conduct an appeal hearing, it shall model its appeals process based on the appeals processes of the IEEE-SA Standards Board.
- Now:
  - Any person dissatisfied with a technical decision shall follow the approved procedures for providing technical input to the Working Group, including but not limited to presenting the concern to the Working Group, and making a technical comment during the applicable comment submission and/or balloting period.
  - Procedural concerns within the Working Group shall first be presented to the Working Group Chair for resolution. If the procedural concern is not resolved after presentation to the Chair, the concern can be brought to the Sponsor for resolution.

# 9.6 → /dev/null

- Was: 9.6 Actions requiring an electronic ballot
  - Approval to forward a draft standard to the Sponsor shall require approval by a Working Group Electronic Ballot. Abstains shall require a reason be given, and Do Not Approve votes shall require comments on changes required to modify the vote to Approve. For a letter ballot on a draft standard to be valid a majority of all the voting members of the Working Group must have responded Approve, Do Not Approve, or Abstain. Comment resolution, recirculations, etc should be consistent with Sponsor ballot rules and 5.4.3.2 of the IEEE-SA Standards Board Operations Manual (SASB OM).
  - The response time for a Working Group letter ballot on a draft shall be at least thirty days. However, for recirculation ballots the response time shall be at least fifteen days.
  - Submission of a draft standard or a revised standard to the Sponsor shall be accompanied by any outstanding negative votes and a statement of why these unresolved negative votes could not be resolved.
  - Revised drafts approved in subsequent WG letter ballot for forwarding to the Sponsor Ballot Group do not require Sponsor approval for forwarding.

IEEE 802 LMSC EC      Slide 43      James Gilb (Tensorcom)

# 9.7 → /dev/null

- Was: 9.7 Roll call votes
  - A roll call vote may be held at the discretion of the chair.
  - In addition, a roll call vote may be called for by any member of the group, at any time from when the question has been put until the vote tally is competed. The call does not require a second, and cannot be debated, amended, or have any other subsidiary motion applied to it.
  - Upon a call for a roll call vote, the chair shall proceed according to these three options.
    - a) The chair may hold the vote
    - b) The chair may hold a vote on the question of whether to hold a roll call vote. This vote shall achieve greater than 25% of the members voting Yes to pass. The 25% is counted by dividing the count of Yes votes by the sum of the Yes and No votes. This vote is not subject to a roll call vote.
    - c) The chair may refuse the request for a roll call vote if this privilege is being abused by members repeatedly calling for a roll call vote. The chair shall allow both the majority and minority reasonable and fair use of the roll call vote.
  - Each roll call vote and call for a roll call vote shall be recorded in minutes of the meeting. For each roll call vote, the minutes shall include each member's name, their vote and the final result of the vote. For each call for a roll call vote, the minutes shall include:
    - i. The name of the requestor of the roll call vote.
    - ii. The decision of the chair on the request and, when applicable, the results of the vote on whether to hold the roll call or the reasons of the chair for denying the roll call vote.

IEEE 802 LMSC EC      Slide 44      James Gilb (Tensorcom)

# 14 WG Financial Operations

- Not present in baseline
- Added verbatim at the end as 10.0
- Not clear if AudCom will approve
- Do we need it?
- If so, does it need to be edited?
- We can put this in the IEEE 802 LMSC OM instead of the WG P&P.

IEEE 802 LMSC EC                    Slide 45                    James Gilb (Tensorcom)

## Changes to Chair's Guidelines
No proposed changes

IEEE 802 LMSC EC                    Slide 46                    James Gilb (Tensorcom)

Gilb reminded group changes can only be made at plenary sessions, and go into effect at end of plenary. Next opportunity to make changes would be March 2015.

| 5.12 | II | Plans for finalizing the "getIEEE 802" agreement | Nikolich / Newman | 15 | 08:58 AM |
|------|----|--------------------------------------------------|-------------------|----|----------|

Newman presented the following slides

# GET Programs and their relation to IEEE and IEEE SA Mission

- Designed to cover lost revenue of sale of standard to enable use and distribution of standard to a wider audience
  - IEEE-SA relies on the sale of individual standards and subscriptions for the significant majority of the revenue to achieve its mission.
  - No expense offset or financial credit for the market recognition value the 802 or other standards provide or for their impact on the mission.
  - The majority of standards are important for humanity but do not generate revenue that directly or indirectly offsets the cost of their support, development, publication or maintenance.
  - The standards that are successful from a revenue generation perspective are necessary to support the overall mission of the IEEE and the SA.
  - IEEE SA is expected by the IEEE to generate surplus to support the core mission of the IEEE.

# GET Programs Today

- 3 current models for GET programs
  - Sponsor committee provide financial offset
  - Industry/Corporate sponsorships provide financial offset
  - Combination approach
- Current GET 802 Model
  - Designed for a combination approach with a partial direct financial offset based on fee associated w/Plenary attendance; includes an option for sponsorship or value added product/service development
  - Only the direct fee based financial offset was used in 2014
- Past experiments
  - Very low cost price for standard
  - Did not result in a volume increase that provided adequate offset

# Feedback from 802 in July:

- 802.1's view was that the IETF model was strongly preferred.
- 802.11 did have more opposition. Some individuals feel that the cost per user per session is too high. Previously had corporate sponsorship.
- Companies can still sponsor the program if they so wish.
- Chair presents 2015 desired terms and conditions in order of preference:
  - Make all 802 standards and work in progress available at no charge
  - Make all drafts available at no charge, keep standard availability at no charge after 6 months
  - Charge for drafts, make standards available at no charge with zero delay
  - No changes to the program
- Thinks that the IEEE should compensate the IEEE-SA based on the value that the Get802 program provides to humanity.

**IEEE STANDARDS ASSOCIATION** ◆IEEE

4

# 802 Goal - make all standards and drafts available at no charge:

- This goal may be achieved over multiple years with the development of alternative support mechanisms by IEEE 802 and IEEE SA working together
  - Sponsorships – offered but not used to date
  - Value Added Products and Services – Option today, not used. Training, Certification, New Product Types with expertise and value added by sponsor that eventually replace and exceed standard revenue
  - Renegotiation of registry database agreement(s) to allow some or all costs of GET program to be included as a cost of the registry
  - Assurance for offsetting revenue that continues to allow for advancement of the mission going forward.

**IEEE STANDARDS ASSOCIATION** ◆IEEE

5

# DRAFT Multi-Year Proposal

- Year 1 (2015)
  - Remove delay for when final standard included in GET 802 Program (no 6 month wait)
  - Create TF to examine process to include current drafts to program for 2016/2017
  - Create TF to develop value add IEEE SA product(s) and services the expand IEEE 802 and IEEE SA brand related to 802 technologies
  - Agree to TF milestones
  - Staff action item to examine registry agreement options

# DRAFT Multi-Year Proposal

- Year 2-3 (2016/17)
  - Upon fulfillment of Year 1 milestones, support fee reduced ~13%. Further reductions if sponsorship implemented.
  - Develop and begin implementation of 1 or more value add programs that help offset revenue reductions based on TF recommendations.
  - Add current drafts to program by Year 3 as value add implementation milestones are achieved.
  - Continue support fee reductions yearly as new products and services are developed and meet agreed metrics and milestones.

# DRAFT Multi-Year Proposal

- Year 5-6 (2018/19)
  - Implement registry agreement changes as needed.
  - Work together to ensure continued related registry growth.
  - Implement agreed metrics for value add product/service implementation.
  - Eliminate per attendee fee when metrics achieved.
  - Implement further metrics to assure continued development, success and growth of registry and value added products and services that expand IEEE 802 and IEEE SA brand and allow for continued Open Access to IEEE 802 documents.

# Next Steps

- Develop agreement revision/replacement to implement at least first year of proposal.

- Form task force of IEEE 802 volunteers and IEEE staff to begin work in partnership to develop new products and services related to IEEE 802 technologies.

- Form task for of IEEE 802 volunteers and IEEE staff to begin work on the process and system related changes that would need to be made to support current draft inclusion in the GET program.

- Develop and agree to milestones and metrics related to each subsequent stage of proposal implementation.

> Working together we can achieve IEEE 802 goals and set an example for Open Access in IEEE

## Thank You

**IEEE STANDARDS ASSOCIATION** ◆IEEE

10                                                                 2-Nov-14

The chair has forwarded the slides out to the reflector.Chair stated that the Exec Session for the Get IEEE session will be at 11:30.

| 5.13 | II | **Future venue contract status** | **Rosdahl** | 10 | 09:13 AM |
|------|-----|----------------------------------|-------------|-----|----------|

Rosdahl presented the following slides- https://mentor.ieee.org/802-ec/dcn/14/ec-14-0080-01-00EC-exsec-agenda-items-november-2014.potx

November 2014                                     doc.: IEEE 802-EC-14/0080r1

# MONDAY OPENING EC MTG

## 5.13 Future venue contract status

Submission                          Slide 3                          Jon Rosdahl, CSR

November 2014                                     doc.: IEEE 802-EC-14/0080r1

## 5.13 Future venue contract status

**Future Venue Contract Status Document:**

**802-EC-12/40r8**

> More details to be added to spreadsheet

**Contracts completed since July:**

> 2015 March – Estrel - Berlin
> 2016 March – The Venetian Macao
> 2017 July – Estrel - Berlin

**Targets for Consideration this week:**

> 2017 March: Dallas – Atlanta - Orlando
> 2017 November: Orlando

**Tuesday 6:05 – 7:15 – Crocket A - discussion**

Submission                          Slide 4                          Jon Rosdahl, CSR

### Future Venues IEEE  802 Plenary Sessions
Presented at Grand Hyatt San Antonio,  November 2014

#### MEETING VENUE OPTIONS: MARCH, 2017

| HOTEL: | GRM$: | MR$: | F&B-MIN$: | WIFI: |
|---|---|---|---|---|
| HR DALLAS | $239/NT | COMP | NO F&B MIN* | TBC |

- ROOM RATE INCLUDES INTERNET ACCESS
- * TO BE CONFIRMED

| | | | | |
|---|---|---|---|---|
| HR ATLANTA | $199/NT | S/D  COMP | $100,000++ | TBC |

ROOM RATE INCLUDES INTERNET ACCESS
200 GUEST ROOMS AT EARLY BIRD OF $189/NT S/D

| | | | | |
|---|---|---|---|---|
| CARIBE –ORLANDO | $170/NT | COMP | TBC | TBC |

- ROOM RATE INCLUDES INTERNET ACCESS
- MAX GUEST ROOMS – 500 + OVERFLOW AT BUENA VISTA – 200 AT $150/NT
- FOOD TRUCKS CAN BE BROUGHT ONTO THE HOTEL PROPERTY FOR LUNCH SERVICES.
- COMPLIMENTARY HOTEL TRANSPORTATION IS AVAILABLE IN THE EVENING HOURS – TO LOCAL  ATTRACTIONS  AND RESTAURANTS.

**At the present, Face to Face Events is waiting for additional meeting specifications and pricing from the venues listed above.  Please consider these destinations for March 2017.**

### Future Venues IEEE  802 Plenary Sessions
Presented at Grand Hyatt San Antonio,  November 2014

#### MEETING VENUE OPTIONS: NOVEMBER 2017

| HOTEL: | GRM$: | MR$: | F&B-MIN$: | WI-FI: |
|---|---|---|---|---|
| CARIBE –ORLANDO | $139/NT | COMP | non | est $7500 |

- Room rate includes internet access

- Food trucks can be brought onto the hotel property for lunch services

- Complimentary  hotel transportation is available  in the evening hours to local attractions and restaurants.

- 600 Group Block

**NOTE**:

Hilton New Orleans /Hyatt New Orleans and Hyatt Regency Orlando are not available  for the November 2017 meeting dates.

**At the present, face to face events is waiting for additional meeting specifications and pricing from the venue listed above.  Please consider this destinations for November 2017.**

# References

https://mentor.ieee.org/802-ec/dcn/12/ec-12-0040-08-00EC-802-plenary-future-venue-contract-status.xlsx

Time:

| 5.14 | II | Treasurer's report | Chaplin | 5 | 09:23 AM |
|------|-----|------------------|---------|---|----------|

Chaplin presented the following slides

Treasurer's Report

2014-11-03

# 2014 T2 (May-Aug)

## 2014 T2 (May-Aug) Overview

| Estimate | |
|---|---|
| Meeting Surplus/Loss | $40,521.38 |
| NNA Venue Setaside | $86,200.00 |
| Other Income | $339.01 |
| Other Expenses | ($324.00) |
| Other NNA Expenses | ($2,339.15) |
| Foreign Currency Gain/Loss | $908.84 |
| | ------------ |
| Net Change | $125,306.08 |
| | |
| Singapore Funds | SGD 215,337.17 |
| Singapore Funds USD | $172,447.70 |
| As of 2014-08-31 | |

# 2014 T2 Meeting Results Estimate

| Meeting Result | |
| --- | --- |
| Meeting Income | $550,814.95 |
| NNA Venue Setaside | -$86,200.00 |
| Meeting Expense | -$424,093.57 |
| Meeting Surpus/Loss | $40,521.38 |
| Sponsorships | $0.00 |
| Net Meeting Surplus/Loss | $40,521.38 |

# 2014 T2 Other Income Estimate

| Other Income | |
| --- | --- |
| Interest | $339.01 |
| Total Other Income | $339.01 |

# 2014 T2 Other Expenses Estimate

| Other Expenses | |
|---|---|
| Gift for Dawn | $324.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| Total Other Expense | $324.00 |

# 2014 T2 Other NNA Expenses Estimate

| Other NNA Expenses | |
|---|---|
| Bob Heile Site Survey Expenses | -$2,339.15 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| Total Other NNA Expense | -$2,339.15 |

# 2014 T2 Reserve Estimate

| Reserves | Beginning | Change | End |
|---|---|---|---|
| USD General Reserve | $884,666.87 | $40,536.39 | $925,203.26 |
| NNA Reserve | -$164,309.94 | $83,860.85 | -$80,449.09 |
| General + NNA Reserve | $720,356.93 | $124,397.24 | $844,754.17 |
| Petty Cash | $2,000.00 | $0.00 | $2,000.00 |
| General + NNA + Petty Cash | $722,356.93 | $124,397.24 | $846,754.17 |
| Singapore Funds USD | $171,538.86 | $908.84 | $172,447.70 |
| Total Reserves | $893,895.79 | $125,306.08 | $1,019,201.87 |

# 2014 T2 Committed Reserves Estimate

| Committed Reserves | |
|---|---|
| | |
| | |
| | |
| | |
| Total Committed Reserves | $0.00 |

# 2014 T3 (Sept-Dec)

## 2014 T3 (Sept-Dec) Overview
### Estimate

| | |
|---|---|
| Meeting Surplus/Loss | ($67,725.00) |
| NNA Venue Setaside | $72,500.00 |
| Other Income | $350.00 |
| Other Expenses | ($1,000.00) |
| Other NNA Expenses | ($0.00) |
| Foreign Currency Gain/Loss | $0.00 |
| | ------------ |
| Net Change | $4,125.00 |

| | |
|---|---|
| Singapore Funds | SGD 215,337.17 |
| Singapore Funds USD | $172,447.70 |
| As of 2014-08-31 | |

# 2014 T3 Meeting Results Estimate

| Meeting Result | |
|---|---|
| Meeting Income | $442,500.00 |
| NNA Venue Setaside | -$72,500.00 |
| Meeting Expense | -$437,725.00 |
| Meeting Surpus/Loss | -$67,725.00 |
| Sponsorships | $0.00 |
| Net Meeting Surplus/Loss | -$67,725.00 |

# 2014 T3 Other Income Estimate

| Other Income | |
|---|---|
| Interest | $350.00 |
| Total Other Income | $350.00 |

# 2014 T3 Other Expenses Estimate

| Other Expenses | |
|---|---|
| DVD | $1000.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| Total Other Expense | $1000.00 |

# 2014 T3 Other NNA Expenses Estimate

| Other NNA Expenses | |
|---|---|
| Bob Heile Site Survey Expenses | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| | $0.00 |
| Total Other NNA Expense | $0.00 |

# Other

# Backup

# 2011

## 2011 Net Change

| | |
|---|---|
| 2011-03 Meeting | $15,016.52 |
| 2011-07 Meeting | ($49,166.24) |
| 2011-11 Meeting | ($8,000.00) |
| 2011 Income Other | $2,755.07 |
| 2011 Expenses Other | ($31,563.06) |
| | |
| 2011 Net Change | ($49,147.28) |

# 2012

## 2012 Net Worth Change

| | |
|---|---|
| 2012-03 Meeting | ($80,777.00) |
| 2012-07 Meeting | $14,520.49 |
| 2012-11 Meeting | ($1,125.50) |
| 2012 Income Other | $3,692.02 |
| 2012 Expense Other | ($18,731.03) |
| Change in Foreign Currency | $8,771.71 |
| Depreciation | ($752.00) |
| 2012 Net Worth Change | ($74,401.31) |

# 2012 Reserve

| Reserves | Beginning | Change | End |
|---|---|---|---|
| USD General Reserve | $1,012,314.53 | ($82,421.02) | $929,893.51 |
| NNA Reserve | $0.00 | $0.00 | $0.00 |
| General + NNA Reserve | $1,012,314.53 | ($82,421.02) | $929,893.51 |
| Petty Cash | $2,000.00 | $0.00 | $2,000.00 |
| General + NNA + Petty Cash | $1,014,314.53 | ($82,421.02) | $931,893.51 |
| Singapore Funds USD | $102,481.00 | $73,790.20 | $176,271.20 |
| Total Reserves | $1,116,795.53 | ($8,630.82) | $1,108,164.71 |

# 2013

# 2013 Net Worth Change

| | |
|---|---:|
| 2013-03 Meeting | ($22,180.39) |
| 2013-07 Meeting | $118,865.59 |
| 2013-11 Meeting | ($8,444.58) |
| 2013 Income Other | $2,132.00 |
| 2013 Expense Other | ($10,609.48) |
| 2013 NNA Expense Other | ($7,137.76) |
| 2013 NNA Venue Setaside | $156,900.00 |
| Change in Foreign Currency | ($5,689.95) |
| Depreciation | ($752.00) |
| | ------------ |
| 2013 Net Worth Change | $223,083.43 |

# 2013 Reserve

| Reserves | Beginning | Change | End |
|---|---:|---:|---:|
| USD General Reserve | $929,893.51 | ($39,102.45) | $890,791.06 |
| NNA Reserve | $0.00 | $268,627.83 | $268,627.83 |
| General + NNA Reserve | $929,893.51 | $229,525.38 | $1,159,418.89 |
| Petty Cash | $2,000.00 | $0.00 | $2,000.00 |
| General + NNA + Petty Cash | $931,893.51 | $229,525.38 | $1,161,418.89 |
| Singapore Funds USD | $176,271.20 | ($5,689.95) | $170,581.25 |
| Total Reserves | $1,108,164.71 | $223,835.43 | $1,332,000.14 |

| 5.15 | II | 802.24 TAG Update | Gilb | 5 | 09:28 AM |
|------|----|-------------------|------|---|----------|

Gilb provided verbal update.  IoT is on Wednesday, and is continuing the launch of its subgroup.

It was discussed whether the item should be removed from the agenda, but it was decided that it crossed 802

| 5.16 | II | Privacy Recommendation ECSG Update | Zuniga | 5 | 09:33 AM |
|------|----|-----------------------------------|--------|---|----------|

Zuniga presented the following slides

privecsg-14-0017-00-0000

# IEEE 802 EC
# Privacy Recommendation Study Group

# Update to IEEE802-EC
# @ Nov 2014 Plenary meeting

2014-11-03
Juan Carlos Zuniga, InterDigital Labs
(EC SG Chair)

1

# IEEE 802 EC Privacy SG – Background

- Creation of an Executive Committee Study Group on Privacy Recommendations (2014-07-18)

- Chartered to run until November 2014 with an expectation of renewal through March 2015

- Advancing work with teleconferences and email discussions

2

# Call for Contributions

- Current topics being considered by SG include:

    (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...

3

## Privacy EC SG - Progress so far

- 3 September 2014, EC SG Teleconference

- Priv Rec EC SG presentations at 802.1/802.3 WGs Interim meeting in Ottawa, Canada - Sep 8 and 9

- Priv Rec EC SG presentations at 802 Wireless WGs interim meeting in Athens, Greece – week of Sep 15

- 1 October 2014, EC SG Teleconference

- 22 October 2014, EC SG Teleconference

- Several discussions on the mailing list, especially about MAC-based tracking issues and implications

4

## November Plenary Meeting

- Two evening slots **to allow participation from most WGs**
  - Tuesday and Thursday, 19:30-21:30 hrs
- Agenda
  - 802c PAR comments
  - 802 EC report
  - Privacy PAR discussion
  - Threat model
  - IETF MAC randomization trial
- **Can the EC allow the 802 EC Privacy Recommendation SG submitting comments on the 802c PAR after the deadline?**

5

## Resources

- EC SG Web Page
  - http://www.ieee802.org/PrivRecsg/
- Mailing list (reflector)
  - *stds-802-privacy@listserv.ieee.org*
- Mentor (document repository)
  - https://mentor.ieee.org/privecsg/documents
- RFC 6973 - Privacy Considerations for Internet Protocols
  - http://tools.ietf.org/html/rfc6973

6

## MAC randomization trial at IETF meeting

- Planning to perform an opt-in trial at IETF meeting network to assess performance and implications of user's MAC address randomization
  - Similar to "ietf-v6ONLY" SSID

- Trial setup already coordinated with IETF NOC team et al.
- Announcement and call for participation to be issued soon

7

7

It was requested if the ECSG could submit its comments by 8am Wed.  Glenn Parsons, 802.1 WG, declined, and requested that the ECSG consider moving its meeting in order to submit comments by required deadline.

It was discussed that the ECSG could submit its comments, and then it would be up to 802.1 if it wishes to consider these comments.

| 5.17 | II | 802 Leadership Workshop Agenda Review | Mody / Das | 15 | 09:38 AM |
|------|----|------|------|------|------|

There was no objection to hearing Thaler's report ahead of Item 5.17

| 5.20 | | Standing Committee Reports | | | 09:53 AM |
|------|----|------|------|------|------|
| 5.23 | II | IEEE 802 / IETF Standing Committee Status Report and plans for week | Thaler | 5 | 10:03 AM |

The IEEE 802 / IETF leadership meeting with many productive discussions including ones on new work.  IETF is reorganizing their Routing Area.   One new IETF item  identified where they would like our attention is a new OPS area working group: LIME

    Layer Independent OAM Management in the Multi-Layer Environment

The agenda can be found at: http://trac.tools.ietf.org/group/iesg/trac/wiki/3rdIEEE802andIETFleaders#

Ongoing information on joint IEEE 802 / IETF coordination including the current status of areas for coordination s can be found at: http://www.iab.org/activities/joint-activities/iab-ieee-coordination/

There will be a meeting on Tuesday. 4pm to 5pm.

| 5.17 | II | 802 Leadership Workshop Agenda Review | Mody / Das | 15 | 09:38 AM |
|------|----|------|------|------|------|

See posted file. https://mentor.ieee.org/802-ec/dcn/14/ec-14-0069-04-00EC-agenda-for-nov-2014-ec-workshop.xlsx

Updates to the agenda were discussed, and captured.

Time allocated for rules discussion.  Some felt this was the most important topic of the meeting, and that efforts should be made to increase the time to allow the Rules discussion.

Paul Nikolich requested the addition of Item "Establishing 802 as a separate legal entity" as an EC Exec Session.

| 5.21 | II | 802 JTC1 Standing Committee Status Report and plans for week | Myles | 5 | 09:53 AM |
|------|-----|------|------|------|------|

Myles presented the following slides Slides 84, 85, 86, 87, 88

Nov 2014                                    doc.: IEEE 802.11-14/1360r1

## The relationship with SC6 is moving into a mode with good outcomes and lower participation needs

- IEEE 802 continues to successfully use the PSDO process to ratify IEEE 802 standards as ISO/IEC/IEEE standards
  - 10 standards/amendments have completed the PSDO process
  - 10 standards/amendments are in the PSDO pipeline
  - 802.22 WG was given maintenance responsibility for ISO/IEC/IEEE 8802-22
- The threats from various proposed activities in ISO/IEC JTC1/SC6 have diminished to the point we can almost go into tracking mode
- It appears ISO/IEC JTC1/SC6 will start making greater use of Webex meaning less need for F2F participation in their meetings
- Note: Robin Tasker (UK NB) and a great supporter of IEEE 802 over many years is retiring

Submission                     Slide 84                     Andrew Myles, Cisco

Nov 2014                                    doc.: IEEE 802.11-14/1360r1

## IEEE 802 has pushed ten standards completely through the PSDO ratification process

| IEEE 802 standard | 60 day pre-balllot | 5 month FDIS ballot | Comments resolved by IEEE |
|------|------|------|------|
| 802.11 | Passed (2012) | Passed in 2012 | Liaised in Nov 2013 |
| 802.1X | Passed (2013) | Passed (21 Oct 2013) | Liaised in Jan 2014 |
| 802.1AE | Passed (2013) | Passed (21 Oct 2013) | Liaised in Jan 2014 |
| 802.1AB | Passed (May 2013) | Passed (18 Dec 2013) | Liaised in May 2014 |
| 802.1AR | Passed (May 2013) | Passed (18 Dec 2013) | Liaised in May 2014 |
| 802.1AS | Passed (May 2013) | Passed (18 Dec 2013) | Liaised in May 2014 |
| 802.3 | Passed (2013) | Passed (16 Feb 2014) | Not required |
| 802.11aa | Passed (Feb 2013) | Passed (28 Jan 2014) | Liaised in July 2014 |
| 802.11ad | Passed (Feb 2013) | Passed (28 Jan 2014) | Liaised in July 2014 |
| 802.11ae | Passed (Feb 2013) | Passed (28 Jan 2014) | Liaised in July 2014 |

Submission                     Slide 85                     Andrew Myles, Cisco

## IEEE 802 has ten standards in the pipeline for ratification under the PSDO

| IEEE 802 standard | 60 day pre-ballot | 5 month FDIS ballot | Comments resolved |
|---|---|---|---|
| 802.11ac | Passed (Sep 2014) | - | To be resolved in Nov |
| 802.11af | Passed (Sep 2014) | - | To be resolved in Nov |
| 802.1AEbw | Passed (Jan 2014) | Closes 1 Feb 2015 | Sent in March 2014 |
| 802.1AEbn | Passed (Jan 2014) | Closes 1 Feb 2015 | Sent in March 2014 |
| 802.1Xbx | Waiting for IEEE pub | - | - |
| 802.1Q-Rev | Waiting for IEEE pub | - | - |
| 802 | Passed (Oct 2014) | - | To be resolved in Nov |
| 802.3.1 | Passed (Oct 2014) | - | To be resolved in Nov |
| 802.22 | Passed (May 2014) | Closes 15 Feb 2015 | Sent in July 2014 |
| 802.22a | Waiting for 802.22 | | |

## The threats from SC6 activities have diminished to the point we can almost go into tracking mode

- Recent threats to IEEE 802 standards from proposed SC6 activities have virtually disappeared
  - WAPI – no mention in SC6 (London)
  - TePA proposals – no mention in SC6 (London), no progress in SC27
  - UHT/EUHT – no mention in SC6 (London)
    - Interestingly, EUHT is now being proposed as an ITS solution in China
- Remaining proposals (*WLAN Cloud, Optimization technology in WLAN*) of interest progressing glacially:
  - Neither were discussed at length in SC6 (London)
  - Bothe will be discussed in a teleconference
  - Neither are likely to get sufficient support for an NP

## It appears SC6 will start making greater use of Webex meaning less F2F participation needs

- IEEE 802 and its members have invested a great deal of time and travel budget into SC6 over many years

- During most of that period the investment, including attendance at F2F meetings, has been justified in some way

- However, the lack of technical discussion in recent F2F meetings (especially London) call into question the need for ongoing attendance

- Fortunately it appears SC6 may finally move to a teleconference model for at least its WGs
  - Two teleconferences of interest are scheduled for SC6/WG7 to discuss *WLAN Cloud, Optimization technology in WLAN*
  - SC6/WG1 will probably move to teleconferences after next F2F
  - SC6 Plenary may move to teleconferences in 2016 after rules change

Submission                                 Slide 88                              Andrew Myles, Cisco

The relationship with SC6 is moving into a mode with good outcomes

Replacing Bruce Kraemer may not be necessary due to growing use of WEBEX.

Adrian Stephens announced his candidacy to run as head of delegation. The Chair appointed Adrian Stephens to be head of delegation.

| 5.22 | II | 802 EC / ITU Standing Committee Status Report and plans for week | Parsons | 5 | 09:58 AM |
|------|-----|-----------------------------------------------------------------|---------|---|----------|

Parsons presented the following slides (see his opening report)

# 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).

# Summary of March meeting

- Any new agreement with ITU should be meaningful for IEEE. E.g.,
  - Mutual recognition as peers in regards to standards
  - Agreement after Plenipot
- IEEE 802, through this ITU SC, should lead prep meetings for upcoming ITU events for IEEE
  - Formalize current volunteer engagement
  - Summarize issues to de discussed per ITU event
    - IEEE-SA staff will provide a calendar of targeted ITU events that will be used to guide the agenda
  - Review proposed positions/contributions
    - IEEE-SA staff or volunteers may propose
  - Hold conference calls as needed between plenaries
- Reciprocal rights for 802 WGs – policy per home WG

# July meeting plan

- Wednesday, 8-10am

- Update on IEEE-SA BOG International SDO advisory group
- Update on IEEE Internet Initiative
- Update on past ITU meetings
  - E.g., TSAG/RevCom, WTDC, WSIS+10
- Discussion of upcoming ITU meetings
  - E.g., Plenipot
- Should IEEE 802 have a position?
  - i.e., beyond any IEEE-SA position, or the involvement of individuals

Time:

| 5.24 | II | IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week | Heile | 5 | 10:08 AM |
|------|----|-----|-----|-----|-----|

Heile presented the following

November, 2014                                                   EC-14-0076-00

### IEEE P802 Wireless Chairs Committee

| | |
|---|---|
| Project | IEEE P802.15 Working Group for Wireless Personal Area Networks (WPANs) |
| Title | **Agenda-November 2, 2014 San Antonio** |
| Date Submitted | November 2, 2014 |
| Source | [Bob Heile]              Voice:     [  ]<br>[ZigBee Alliance]       Fax:       [  ]<br>[address]                  E-mail:   [  ] |
| Re: | Agenda |
| Abstract | Agenda |
| Purpose | |
| Notice | |
| Release | The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available. |

Submission                          Page 1                  Bob Heile, ZigBee Alliance

**Wireless Chairs Committee Meeting Agenda-November 2, 2014**

- Call to order
- Take attendance.
- Review and approve agenda (dcn EC-14-0076-00) EC-14
- Approve Athens minutes (dcn EC-14-0062-00)
- Announcements (if any) related to the San Antonio Session or other matters
- Meeting network-status report
- Financial report-Ben/Jon
- Future Interim Meetings-Bob
  - September 2015- Agreement in principal with the Centara Bangkok
  - EU site inspections (for September 2016 (also May 2018 and 2020))
    - Budapest: Hilton, Marriott, Corinthia, Novotel, and Congress Center
    - Prague: Hilton, Corinthia, Congress Center
    - Warsaw: Hilton, Doubletree, Marriott, National Stadium
  - January 2017- North American Options- Need to narrow the search
  - May 2017- Daejeon, Korea
- Process for Interim PCO selection-Some ideas proposed by Adrian:
  - So let's try and identify a simple process.  The following is a rough swag.
    1.  The choice of meeting planner is a joint treasury decision.
    2.  The meeting planner shall be an IEEE-SA approved vendor.
    3.  The following may be used in selection:
       - a. An explicit RFP for a single or series of meetings
       - b. Use the same meeting planner as selected by the 802 plenaries
       - c. Financial data from previous meetings
       - d. Other?
- 802.18--Any Regulatory issues to be aware of?
- 802.24-- Goals for the week
- Privacy ECSG status update
- OmniRAN update?
- Working Group P&P?
- Liaison letter 3GPP
- Coexistence Lessons Learned
- AoB
- Adjourn

Heard from TAGS18,19, 24 on any regulatory issues.

Talked about 802C and a few other activities.

Minutes will be posted on Mentor location under Wireless chair committee.

| 5.25 | II | IEEE 802 Regulatory Report and plans for week | Lynch | 5 | 10:13 AM |
|------|----|-----------------------------------------------|-------|---|----------|

Lynch gave verbal update

Our response to ITU on Smart Grid, final comments need to be submitted by Dec 31.  Will give time to debate electronically inbetween next meeting  to be held in June.

Specific statements

- FCC and PRM on White Space
- Insight advice on
- Highsway Safety and Transportation

| 5.30 | | Liaison Reports | | | 10:18 AM |
|-------|-----|----------------------|---------------------------|---|----------|
| 5.33 | II | 3GPP Status Report | Nikolich / Shellhammer | 5 | 10:18 AM |

Shellhammer presented the following slides 802.19-14/0081r0

# Background

- IEEE 802.19 has held a number of meetings and conference calls on Coexistence Lessons Learned (CLL) since the end of the July IEEE Plenary (as request by the EC)
- The meetings and calls have been well attending by members of IEEE 802
- A presentation has been prepared in preparation for the November IEEE 802 Plenary
- This document provides a process for approval of the CLL presentation, to be presented to 3GPP
- The presentation at 3GPP will be the week of Dec 8, possibly on Wednesday Dec 10
- The process is based on input from Paul Nikolich

Submission          Slide 2          Steve Shellhammer, Qualcomm

# Process

- The CLL presentation has been provided to the EC reflector
- The WG chairs are asked to share the presentation with their Working groups
- Two days (Monday & Tuesday) have been allocated for the Working Groups to review the presentation and to provide comments and suggested edits
- The WG chairs are asked to provide the WG comments and suggested edits to the EC reflector by 6 PM on Tuesday
- IEEE 802.19 will hold meetings on Wednesday and Thursday to review the comments and make edits to the presentation
- The revised presentation will be sent to the EC reflector by 6PM on Thursday
- The EC will vote on Friday to approve the document for presentation to 3GPP

Submission          Slide 3          Steve Shellhammer, Qualcomm

Time:

| 5.40 | | IEEE-SA Reports | | | 10:23 AM |
|---|---|---|---|---|---|
| 5.41 | II* | Document publication priority update | Turner | 0 | 10:23 AM |

Approved with approval of agenda.


Time: 10:22am

| 5.42 | II | Get IEEE 802 Update | Kim | 3 | 10:23 AM |
|---|---|---|---|---|---|

Kim presented the following slides.

# Download Stats

| | |
|---|---|
| Program total downloads to date (April 2003 to September 2014) | 6,697,381 |
| Program 2014 Year to Date downloads (Jan - Sept) | 217,352 |

# User Type (April 2003 to September 2014)

| User Type | Downloads |
|---|---|
| Academic/Student | 2409351 |
| Attorney/Legal | 15501 |
| Government | 164932 |
| Journalist | 68931 |
| Network Equipment Mfg | 678145 |
| Network Service Provider | 4 |
| Network Silicon Mfg | 154074 |
| Network Software Developer | 437183 |
| Other | 1014316 |
| Private Network Service Provider | 185250 |
| Public Network Service Provider | 428447 |
| Silicon Mfg | 2 |
| Standards Developer | 228671 |
| Systems Admin | 284943 |
| Unknown | 627631 |
| Total | 6697381 |

# Most Downloaded Standards in 2014

| | | | |
|---|---|---|---|
| 26944 | 802.11-2012.pdf | 3243 | 802.11ac-2013.pdf |
| 19514 | 802.3-2012_section1.pdf | 3156 | 802.3.1-2013.pdf |
| 11157 | 802.3-2012_section2.pdf | 3130 | 802.11ae-2012.pdf |
| 10098 | 802.3-2012_section3.pdf | 3045 | 802.11aa-2012.pdf |
| 9354 | 802.3-2012_section6.pdf | 2731 | 802.2-1998.pdf |
| 9301 | 802.3-2012_section4.pdf | 2565 | 802.16-2012.pdf |
| 9018 | 802.3-2012_section5.pdf | 2530 | 802.1AB-2009.pdf |
| 5533 | 802.15.4-2011.pdf | 2488 | 802.11n-2009.pdf |
| 4233 | 802.1Q-2011.pdf | 2447 | 802.1X-2010.pdf |
| 4218 | 802.1D-2004.pdf | 2287 | 802.15.1-2005.pdf |
| 4196 | 802.11ad-2012.pdf | 2156 | 802.11-2007.pdf |
| 3551 | 802.3bk-2013.pdf | 2131 | 802.1AX-2008.pdf |
| 3491 | 802-2001.pdf | | |

# New Program Entries

Standards added into program Since July 2014

802.11af-2013.pdf

802.1Qbp-2014.pdf

# Most Downloaded Standards for July, August, and September 2014

| | | | |
|---|---|---|---|
| 7241 | 802.11-2012.pdf | 1678 | 802.15.4-2011.pdf |
| 5604 | 802.3-2012_section1.pdf | 1317 | 802.3bk-2013.pdf |
| 3174 | 802.3-2012_section2.pdf | 1260 | 802.1Q-2011.pdf |
| 2997 | 802.11ac-2013.pdf | 1169 | 802.1D-2004.pdf |
| 2822 | 802.3-2012_section3.pdf | 1157 | 802.11ad-2012.pdf |
| 2628 | 802.3-2012_section6.pdf | 1066 | 802.3.1-2013.pdf |
| 2575 | 802.3-2012_section4.pdf | 782 | 802.11aa-2012.pdf |
| 2525 | 802.3-2012_section5.pdf | | |

**IEEE STANDARDS ASSOCIATION**  ◈IEEE

6

# Total Number of Downloads August 2014

| USERS TYPES | DOWNLOADS |
|---|---|
| Academic/student | 6653 |
| Government | 489 |
| Journalist | 207 |
| Network equipment Manufacturer | 2301 |
| Network silicon manufacturer | 638 |
| Network software developer | 1668 |
| Other | 3121 |
| Private network service Provider | 619 |
| Public network service provider | 1048 |
| Standards developer | 687 |
| Systems administrator | 972 |
| Unknown | 4 |
| TOTAL | 18407 |

**IEEE STANDARDS ASSOCIATION**  ◈IEEE

7

## Total Number of Downloads
## September 2014

| USERS TYPES | DOWNLOADS |
|---|---|
| Academic/student | 8198 |
| Government | 471 |
| Journalist | 297 |
| Network equipment Manufacturer | 2340 |
| Network silicon manufacturer | 804 |
| Network software developer | 1796 |
| Other | 3349 |
| Private network service Provider | 694 |
| Public network service Provider | 1356 |
| Standards developer | 868 |
| Systems administrator | 927 |
| Unknown | 14 |
| TOTAL | 21,206 |

## Thank You

Time

| 5.43 | II* | IEEE-SA PR and Mktg Tracking Reports | Kim | 0 | 10:26 AM |
|------|-----|--------------------------------------|-----|---|----------|
| 5.44 | II* | IEEE-SA Active Standards Report | Kim | 0 | 10:26 AM |

Approved with approval of agenda

Time: 10:24

| 5.45 | II | IEEE-SA Global Activities Report | Kim | 2 | 10:26 AM |
|------|----|----------------------------------|-----|---|----------|

Kim presented the following slides

# China Update

- IEEE-SA – CCSA ICT Standards Projects Workshop
  - Held Monday, 18 August
  - The goal for this workshop was to focus on the key technical breakthroughs involved in these standards projects, future business application, potential impact on the industry, and new opportunities for the market.
  - Workshop consisted of an introduction of IEEE-SA and overview of the structure of ICT projects in IEEE
    - Part of the workshop consisted of the review of key projects in 802.1, 802.3, and 802 wireless WGs
      - Given by Glenn Parsons, David Law and Jon Rosdahl.
  - 58 attendees from 31 companies participated the workshop

- China Mobile (CMCC) & China Telecom (CTC)
  - Glenn Parsons, IEEE 802.1 WG Chair, gave a thorough review of 802.1 projects
    - Realistic Backhaul, and MBH small cells background
  - Glenn also invited China Mobile and China Telecom to keep in touch with 802.1 in the future

**IEEE STANDARDS ASSOCIATION**　　　　　　　　　　　　　　　　◆IEEE

2

# Contact

**Jodi Haasz**

Stakeholder Engagement Liaison

j.haasz@ieee.org

**IEEE STANDARDS ASSOCIATION**　　　　　　　　　　　　　　　　◆IEEE

3

| 5.50 | II | EC meeting schedule (rules, SA, etc.) | Nikolich | 3 | 10:28 AM |
|------|----|-----|-----|---|---------|

Nikolich presented the following slide

# 5.50 EC meetings for the week
(draft04)

| | |
|---|---|
| Sunday 7:00-9:30pm | LMSC Rules Review (Crockett A) |
| Mon 6:30-10:30pm | Tutorials and 802c PAR discussion (Texas AB) |
| Tue 1:30pm-3:30pm | 802/JTC1/SC6 standing committee (Republic C) |
| Tue 4:00pm-5:00pm | 802/IETF Standing Committee (Crockett A) |
| Tue 6:05-7:15pm | Future Venue Planning (Crocket A) |
| Tue 7:30-9:30pm | Privacy ECSG (Lonestar B) |
| Wed 8:00-10:00am | 802/ITU Standing Committee (Crocket A) |
| Wed 8:00-10:00am | 802.19/Coexistence Lessons Learned (Presido C) |
| Wed 1:30-6:00pm | 802.19/Coexistence Lessons Learned (Presido C) |
| Thu 7:00-8:00am | Plenary venue space allocation planning (Crockett A) |
| Thu 8:00-9:00am | 802 Chair's Open Office hour (Crockett A) |
| Thu 10:30-12:30pm | IEEE 802 Task Force (Crockett A) |
| Thu 1:30-3:30pm | 802.19/Coexistence Lessons Learned (Presido C) |
| Thu 7:30-9:30pm | Privacy ECSG (Lonestar B) |
| Fri 08am-noon | open |

23

| 5.51 | II | Action Item Review | Nikolich / DAmbrosia | 3 | 10:31 AM |
|------|----|--------------------|----------------------|----|----------|

- Open Action Items from November 2013 EC Workshop
  - 4.00/ws13-02 Roger to complete WG ballot notice action, complete Nov. 2014 plenary
- 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 15.
  - 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 / DÁmbrosia to define process and webpage. Under discussion, complete March 2015.
- Open Action Items from June 2014 telecon--NONE
- Open Action Items from July 2014 Plenary
  - Item 4.04 Rosdahl to lead email reflector discussion on use of time in relation to tutorials. Status: in process. Complete: 08NOVWorkshop.
  - Item 6.11 Gilb/Thaler review rules regarding teleconferences for ECSGs. Status: discuss during EC Workshop. Complete: March 2015
- Open Action Items from October 2014 telecon
  - Item 3.00 Nikolich to add EC workshop agenda item for long term financial planning and impact on registration fees. Stephens/Rosdahl/Chaplin to work off line to prepare analysis and recommendations. Complete Nov 2014 EC workshop
  - Item 5.12 D'Ambrosia to speak with Nikolich/Marks about formation of a Business Development Standing Committee. Status: in process. Complete January 2015.
  - Item 5.13 Nikolich to appoint committee on network service provider RFP. Status: in process. Complete Nov. 2014 plenary
  - Item 11 Mody, add to workshop: non-NA meetings, LTE unlicensed, Indemnification policy, SA Internet Governance and 802, conflict of registration fee deadlines and meeting notices. Complete Nov 2014 plenary
  - Item 16. SA staff to provide SA Internet Governance tutorial at EC Workshop, 30 min. Complete Nov 2014 workshop.

| DT | ADJOURN SEC MEETING | Nikolich | | 10:30AM |
|----|---------------------|----------|--|---------|

Time adjourned 10:30am.

# Action Items

- Open Action Items from November 2013 EC Workshop
    - 4.00/ws13-02 Roger to complete WG ballot notice action, complete Nov. 2014 plenary
- 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 15.
    - 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 / DÁmbrosia to define process and webpage. Under discussion, complete March 2015.
- Open Action Items from June 2014 telecon--NONE
- Open Action Items from July 2014 Plenary
    - Item 4.04 Rosdahl to lead email reflector discussion on use of time in relation to tutorials.  Status: in process. Complete: 08NOVWorkshop.
    - Item 6.11 Gilb/Thaler review rules regarding teleconferences for ECSGs. Status: discuss during EC Workshop. Complete: March 2015
- Open Action Items from October 2014 telecon
    - Item 3.00 Nikolich to add EC workshop agenda item for long term financial planning and impact on registration fees. Stephens/Rosdahl/Chaplin to work off line to prepare analysis and recommendations. Complete Nov 2014 EC workshop
    - Item 5.12 D'Ambrosia to speak with Nikolich/Marks about formation of a Business Development Standing Committee. Status: in process.  Complete January 2015.
    - Item 5.13 Nikolich to appoint committee on network service provider RFP. Status: in process. Complete Nov. 2014 plenary
    - Item 11 Mody, add to workshop: non-NA meetings, LTE unlicensed, Indemnification policy, SA Internet Governance and 802, conflict of registration fee deadlines and meeting notices. Complete Nov 2014 plenary
    - Item 16. SA staff to provide SA Internet Governance tutorial at EC Workshop, 30 min. Complete Nov 2014 workshop.

# Motions

| * Motion #1 | Move to approve modified agenda |
|---|---|
| Moved | DAmbrosia |
| Second | Chaplin |
| Results | 13-0-0 |
| Motion | Passes |
| | |
| Reference | Agenda Item #2.00 |

| * Motion #2 | Approve waiving of the registration fee for the above Staff and invited participants. |
|---|---|
| Moved | Law |
| Second | marks |
| Results | 13-0-0 |
| Motion | Passes |
| | |
| Reference | Agenda Item #4.01 |