

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

Prepared by John D'Ambrosia, Recording Secretary

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

Hyatt Regency Dallas  
Dallas, TX, USA

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

Paul Nikolich	Chair, IEEE 802 LAN/MAN Standards Committee
Pat Thaler	1 <sup>st</sup> Vice Chair, IEEE 802 LAN/MAN Standards Committee
James Gilb	2 <sup>nd</sup> Vice Chair, IEEE 802 LAN/MAN Standards Committee,
Clint Chaplin	Treasurer, IEEE 802 LAN/MAN Standards Committee
Jon Rosdahl	Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D'Ambrosia	Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Glenn Parsons	Chair, IEEE 802.1 – HILI Working Group
David Law	Chair, IEEE 802.3 – Ethernet Working Group
Adrian Stephens	Chair, IEEE 802.11 – Wireless LAN Working Group
Bob Heile	Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks	Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch	Chair, IEEE 802.18 – Regulatory TAG
Steve Shellhammer	Chair, IEEE 802.19 – Wireless Coexistence Working Group
Subir Das	Chair, IEEE 802.21 – Media Independent Handover Working Group
Apurva Mody	Chair, IEEE 802.22 – Wireless RANs Working Group
Tim Godfrey	Chair, IEEE 802.24 - Vertical Applications TAG

**EC Nonvoting members present:**

Geoff Thompson	Member Emeritus
Radhakrishna Canchi	Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group

**EC Voting members absent:**

**EC Nonvoting members absent:**

John Lemon	Chair, IEEE 802.17 – Resilient Packet Ring Working Group
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**IEEE**  
Standards Project Authorization

1. Proposal No. 802.11-1987 Date of Proposal \_\_\_\_\_  
Project No. 802.11 Date \_\_\_\_\_  
Sponsor \_\_\_\_\_  
2. Title: Local Network for Computer Interconnection  
3. Sponsor: Computer Society  
4. Proposer: Dr. Robert S. Stewart  
5. Dates: December 1982 to March 1983  
6. Project Description: Local Network for Computer Interconnection  
7. Project Description: Local Network for Computer Interconnection  
8. Project Description: Local Network for Computer Interconnection  
9. Project Description: Local Network for Computer Interconnection  
10. Project Description: Local Network for Computer Interconnection

# November 2015 IEEE 802 LMSC

draft04

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Agenda URL: <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0078-04-00EC-nov-2015-opening-agenda.xlsx>

r04	AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
	Monday 8:00AM -9:30AM (Exploratory)			
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
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Discussion regarding agenda –

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

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

r05		AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
		Monday 8:00AM -9:30AM (Exploratory)			
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 2015 Opening Meeting	D'Ambrosia	0	08:06 AM
3.01	MI*	APPROVE Motion: Approve minutes of Jul 2015 Closing Meeting	D'Ambrosia	0	08:06 AM
3.02	MI*	APPROVE Motion: Approve minutes of Oct conference call	Gilb	0	08:06 AM
4.00	II	IEEE Staff Introductions	Nikolich	2	08:06 AM
4.01	II	Fee Waivers: Invited Guests: Stefano Faccin (Qualcomm) and Bill McCoy (Self)	Nikolich	0	08:08 AM
				0	08:08 AM
		LMSC items		0	08:08 AM
5.00		Chair's Opening Report	Nikolich	0	08:08 AM
5.01	II	Chair's Announcements	Nikolich	3	08:08 AM
5.011	II*	Announcement of 802 EC Interim Telecon (Tuesday 2 Feb 2016, 1-3pm ET)	Nikolich	0	08:11 AM
5.02	II*	BoG Actions	Nikolich	0	08:11 AM
5.03	II*	Stds Board Actions (approved projects, standards, withdrawals)	Nikolich	0	08:11 AM
5.04	II*	LMSC Email Ballot Recap	Nikolich	0	08:11 AM
5.05	II	EC Affiliation Update	Nikolich	2	08:11 AM
5.06	II*	Tutorial Schedule	Nikolich	0	08:13 AM
5.07	II*	List of Drafts to Sponsor Ballot	Nikolich	0	08:13 AM
5.08	II*	List of Drafts to Revcom	Nikolich	0	08:13 AM
5.09	II*	Draft documents to EC Ballot	Nikolich	0	08:13 AM
5.10	II*	PARS to NesCom	Nikolich	0	08:13 AM
5.11	II	Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs	Nikolich	5	08:13 AM
5.12	II	Action Item Recap (July Plenary, EC Oct Teleconference)	Nikolich	10	08:18 AM
5.13	II	Review 802 Task Force Agenda	Nikolich	5	08:28 AM
5.131	DT	Indemnification Clarification Update	Nikolich	2	08:33 AM
5.140		Officers / 802 Reports			08:35 AM
5.1405	II	IEEE-SA Fellowship Exchange Program Update	Parsons	5	08:35 AM
5.141	II	P&P update	Gilb	5	08:40 AM
5.142	II	Current and Future venue report	Rosdahl	10	08:45 AM
5.143	II	Treasurer's report	Chaplin	5	08:55 AM
5.144	DT	Status Update - Get802	Marks	5	09:00 AM
5.145	II	January EC Workshop Update	Law	5	09:05 AM

5.1451	DT	Should EC hold a formal 802 EC meeting at the joint 802 January 2015 Interim Session?	Nikolich	5	09:10 AM
5.146	H	IEEE-SA Fellowship Exchange Program Update	Parsons	0	09:15 AM
5.147	II	University Outreach / Student Paper Update	Rosdahl / Gilb	5	09:15 AM
5.148	DT	Converting Radio Regulatory TAG to Standing Committee	Thaler	10	09:20 AM
5.149	II	Final Report of EC Privacy SG	Zuniga	3	09:30 AM
5.20		Standing Committee Reports			09:33 AM
5.21	II	IEEE 802 / IETF Standing Committee Status Report and plans for week	Thaler	3	09:33 AM
5.22	II	802 JTC1 Standing Committee Status Report and plans for week	Myles	3	09:36 AM
5.23	II	802 EC / ITU Standing Committee Status Report and plans for week	Parsons	3	09:39 AM
5.24	II	IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week	Heile	3	09:42 AM
5.25	II	IEEE 802 Regulatory Report and plans for week	Lynch	3	09:45 AM
5.30		Liaison Reports			09:48 AM
5.31	II	3GPP Status Report on LAA and 5G	Nikolich / Shellhammer / Levy	5	09:48 AM
5.40		IEEE-SA Reports			09:53 AM
5.41	II*	Document publication priority update - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0085-00-00SA-ieee-802-publication-report-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0085-00-00SA-ieee-802-publication-report-nov-2015.pdf</a>	Turner	0	09:53 AM
5.42	II*	Get IEEE 802 Update - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0083-00-00SA-ieee-802-nov-2015-assembly-get-802-update.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0083-00-00SA-ieee-802-nov-2015-assembly-get-802-update.pdf</a>	Kim	0	09:53 AM
5.43	II*	IEEE-SA PR and Mktg Tracking Reports - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0084-00-00SA-ieee-802-pr-and-marketing-tracking-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0084-00-00SA-ieee-802-pr-and-marketing-tracking-nov-2015.pdf</a>	Kim	0	09:53 AM
5.44	II*	IEEE-SA Active Standards Report	Kim	0	09:53 AM
5.45	II*	IEEE-SA Global Activities Report - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0087-00-00SA-ieee-802-intl-overview-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0087-00-00SA-ieee-802-intl-overview-nov-2015.pdf</a>	Kim	0	09:53 AM
5.46	II	IEEE 802 EC Solutions Nov 2015 Report - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0086-00-00SA-ieee-802-ec-solutions-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0086-00-00SA-ieee-802-ec-solutions-nov-2015.pdf</a>	Boyce / Rosdahl	2	09:53 AM
5.50	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	09:55 AM
-	-	-	-	-	09:58 AM
	DT	ADJOURN SEC MEETING	Nikolich		10:00AM

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

In recognition of the SASB approval of the 802.1E Privacy project and Juan Carlos Zuniga's role as former chair of the Privacy 802 EC Study Group, the Chair invited him to sit with the EC for the final time.

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

Approved with approval of agenda

4.00	II	IEEE Staff Introductions	Nikolich	2	08:06 AM
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Nikolich presented the following slide.

## 4.00 IEEE Staff supporting 802

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

## Invited Guests

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

4.01	II	Fee Waivers: Invited Guests: Stefano Faccin (Qualcomm) and Bill McCoy (Self)	Nikolich	0	08:08 AM
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Nikolich presented the following slide.

## 4.01 Meeting Fee Waivers

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

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

		LMSC items		0	08:08 AM
5.00		Chair's Opening Report	Nikolich	0	08:08 AM
5.01	II	Chair's Announcements	Nikolich	3	08:08 AM

Nikolich presented the following slide.

## 5.01 Chair's Announcement

- Chair's opening remarks

- Nikolich elected to SA BoG for 2016-2017 term

2016 BoG members:

Bruce Kraemer, Andrew Myles, Glenn Parsons, Paul Nikolich, Don Wright, John Kulick, Yatin Trivedi, Phil Wennblom, Dong Liu, Kishik Park, Walter Weigel, Mark Epstein, Phil Winston, SASB Chair (tbd)

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5.011	II*	Announcement of 802 EC Interim Telecon (Tuesday 2 Feb 2016, 1-3pm ET)	Nikolich	0	08:11 AM
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Approved with approval of agenda

## 5.011 Interim EC telecon February meeting notice

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

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5.02	II*	BoG Actions	Nikolich	0	08:11 AM
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Approved with approval of agenda

## 5.02 SA BoG Update

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

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

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5.03	II*	Stds Board Actions (approved projects, standards, withdrawals)	Nikolich	0	08:11 AM
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Approved with approval of agenda

## 5.03 SA Standards Board Actions

### Project Authorization Approvals

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

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

**Revisions:** P802.15.3

**Reaffirmations:** none

**Corrigendum:** none

**Withdrawals:** none

**Extensions:** P802.15.9

**Other:** none

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## 5.03 SA Standards Board Actions

### Standards Ratification Actions

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

**Revised Standards:** 03SEP2015: 802.3

**Reaffirmations:** none

**Corrigendum:** none

**Extensions:** none

**Withdrawals:** none

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

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Approved with approval of agenda

## 5.04 LMSC Email Ballot Recap

	open date	topic	yes/no/abs/dnv*	result
1)	24JUL	Approve 802/SCC42 Liaison agreement	13/00/00/03	pass
2)	26JUL	Approve 802.15.3 revision CSD	14/00/00/02	pass
3)	27JUL	Approve 802.15.3 rev title change	09/01/01/05	pass
4)	30JUL	Approve 802.3 SG press releases	14/00/00/02	pass
5)	12AUG	Approve 802 Coexistence preso for 3GPP12/00/01/03		pass
6)	18SEP	Authorize P802.11ah to Sponsor Ballot	14/00/00/02	pass
7)	19OCT	Authorize FCC filing of 29AUG Coex preso	14/00/00/02	pass

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

\*802 chair is counted as DNV unless his vote is required

Chair showed the following two slides -

## 5.05 EC Affiliation Update

### IEEE 802 Executive Committee Members

Position	Name	Affiliation
Chair	Paul Nikolich	Self, VAS Broadband Friends, Samsung, Silver Spring Networks, Huawei, Intel, octoScope
First Vice Chair	Fat Thaler	Broadcom Corporation
Second Vice Chair	James P. K. Gibb	Pulse-LINK
Treasurer	Cliff Chaplin	Self
Recording Secretary	John D'Ambrosia	Self
Executive Secretary	Jon Rosdahl	CSR Technologies Inc. a Qualcomm company
P802.1 High Level Interface (HLI)	Glen Parsons	Ericsson
P802.3 Ethernet	David Law	Hewlett Packard Enterprise
P802.11 Wireless Local Area Network (WLAN)	Adrian Stephens	Intel Corporation
P802.15 Wireless Personal Area Network (WPAN)	Bob Heile	Wireless Communication Consulting, LLC., Wi-SUN Alliance
P802.16 Broadband Wireless Access	Roger Marko	EthAirNet Associates, BioCells
P802.18 Radio Regulatory TAG	Mike Lynch	ML Lynch and Associates LLC
P802.19 Wireless Coexistence	Steve Shelhammer	Qualcomm Inc.
P802.21 Media-independent Handover	Subir Das	Applied Communication Sciences
P802.22 Wireless Regional Area Networks	Aparna Mody	BAE Systems, White Space Alliance
P802.24 Vertical Network Applications TAG	Tim Godfrey	EPRI
Member Emeritus	Geoff Thompson	GenCast Advisors, Linear Technology
Privacy Recommendations Exec. Comm. Study Group	Juan Carlos Zuriga	InterDigital Labs

### Hibernating Working Groups

Group	Chair's name	Affiliation
P802.17 Resilient Packet Ring	John Lomon	Broadcom
P802.20 Mobile Broadband Wireless Access	Radhakrishna Canchi	Kyocera Communications, Inc.

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## 5.05 EC Affiliation Update

- Changes in affiliation among EC members from previous slide?

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The following changes were noted:

- David Law – Hewlett Packard Enterprise
- John D'Ambrosia - Self
- Jon Rosdahl – CSR Technologies Inc a Qualcomm Company
- Paul Nikolich - Octoscope

5.06	II*	Tutorial Schedule	Nikolich	0	08:13 AM
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Approved with approval of agenda

## 5.06 Tutorial/Information Schedule

Monday	Notes
6:00-7:30PM sponsored by 802.3 Chair David Law <b>A Quick Walk around the Block with PoDL</b>	Room: Landmark BC
7:30-9:00PM sponsored by 802.11 Chair Adrian Stephens <b>Perspectives on IEEE 802.11 on NGMN/5G</b>	Room: Landmark BC
9:00-10:30PM sponsored by David Law, 802.3 Chair <b>Object Storage-a new architectural partitioning in Storage</b>	Room: Landmark BC
Tuesday	
7:30-9:30 PM <b>802E (formerly the Privacy EC Study Group) meeting</b> Encourage cross-802 group discussion on this topic	Room: Cotton Bowl
Wednesday	
1:30-3:30 PM <b>Privacy-EC-Study-Group meeting</b> Encourage cross-802 group discussion on this topic	Room:
7:00-9:30PM <b>Social Reception</b>	Marsalis Hall A
Thursday	
8:00-10:00AM <b>Privacy-EC-Study-Group meeting</b> Encourage cross-802 group discussion on this topic	Room: 13

5.07	II*	List of Drafts to Sponsor Ballot	Nikolich	0	08:13 AM
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Approved with approval of agenda

## 5.07 Drafts to Sponsor Ballot

1. 802.01: none.
2. 802.03: bp 1000BASE-T1, bq 25G/40GBASE-T, br Interspersing Express Traffic, by 25Gb/s (all conditional).
3. 802.11: ai Fast Link Setup, ah Extended Range (<1 GHz)
4. 802.15: 15.3 revision.
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: none.
9. 802.24: none.

5.08	II*	List of Drafts to Revcom	Nikolich	0	08:13 AM
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Approved with approval of agenda

## 5.08 Drafts to RevCom

1. 802.01: Qbu Frame Preemption, Qbv Scheduled Traffic Enhancements, AB-rev Station and MAC Connectivity Discovery, Q/Cor1 Virtual LANs
2. 802.03: none.
3. 802.11: none.
4. 802.15: 15.4 revision, 15.4n China Medical Band, 15.4q Ultra Low Power (all conditional).
5. 802.16: none.
6. 802.19: none.
7. 802.21: none.
8. 802.22: none.
9. 802.24: none.

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5.09	II*	Draft documents to EC Ballot	Nikolich	0	08:13 AM
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Approved with approval of agenda

## 5.09 Draft Documents to EC Ballot

1. 802.00: AX press release, several liaison letters to ITU-T SG15, MEF, IETF
2. 802.01: none.
3. 802.03: three liaison letters to ITU-T SG 15 (5 day review process per OM 8.2.2).
4. 802.11: liaison to 3GPP regarding radio measurement and RSSI (for information only, the subgroup communication to SDO will most likely be used per OM 8.2.2).
5. 802.15: press release on 802.15.4u.
6. 802.16: none.
7. 802.18: possible liaisons to ITU-R.
8. 802.19: liaison to 3GPP regarding LAA.
9. 802.21: none.
10. 802.22: none.
11. 802.24: liaison to Industrial Internet Consortium.
12. 802/JTC1 SC: tbd.
13. 802/ITU SC: tbd.
14. 802/IETF SC: tbd.
15. 802/Wireless Chairs SC: none.

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# STDs due for 10 yr maintenance by DEC15

- none

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5.10	II*	PARS to NesCom	Nikolich	0	08:13 AM
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Approved with approval of agenda

## 5.10 Draft PARs to NesCom

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

Withdrawal request

1. 802.16.3 Mobile Broadband Network Performance Measurements project

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5.11	II	Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs	Nikolich	5	08:13 AM
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Nikolich presented the following slide.

## 5.11 Pre-PAR activity

Group	New	Existing
dot01	None_	None.
dot03	80 Single lane 50 Gb/s 80 Next Gen 100 Gb/s and 200 Gb/s 80 25Gb/s single mode fiber Local Enterprise Campus and Data Center Ethernet	80 Next Generation Ethernet Passive Optical Networking (NO-EPON), 1st est 80 2.5 Gb/s and 5 Gb/s Ethernet Backplane and Short Reach Copper Cable, 1st est_
dot11	Long Range Low Power Topic Interest Group.	None. Wireless Next Generation Standing Committee.
dot15	None.	SG Develop Consolidated LLC 802.15.4 MAC, 1st est Interest Groups: Terahertz, High Rate Rail Communications, 6TiSch, Recommended practice on how to use 802.15.4
dot16	None.	None.
dot18	None.	None.
dot19	Coexistence in the automotive environment Topic Interest Group	None.
dot21	None.	None.
dot22	None_	None.
dot24	None.	None.
dotEC80	None_	None.

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

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

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

Heile noted 802.15 has 4 special interest groups.

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

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

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

5.12	II	Action Item Recap (July Plenary, EC Oct Teleconference)	Nikolich	10	08:18 AM
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Nikolich presented slide, which was then updated per EC Review. Shown below is modified slide after discussion.

## 5.12 EC Action Item recap

- Open Action Items from March 2014 Plenary
  - Item 3-1 Gilb— Review rules regarding endorsement of affiliation letter requirements for temporary appointments— Status— No action at this time. Language to be provided by March 2015.
  - Item 4-03 Thaler— Develop a process to capture EC approved C&Ds and make publicly available for easy review— Status— Email proposal sent to reflector prior to meeting. Action Item: Thaler + D’Ambrosio to define process and webpage. Under discussion, complete March 2015.
- Open Action Items from July 2015 Plenary
  - Item 5-51 Nikolich— Bring plan to EC on Friday regarding reporting of IEEE 802 financials into IEEE financial data base.
  - Nikolich— Appoint Assistant 802 Treasurer
  - Thaler— Move discussion of disbanded the 802-18-RR TAG to the EC reflector
- Open Action Items from OCT 2015 telecon
  - 1) Gilb— to determine when an 802 EC SG is disbanded per the 802 policies and procedures.
  - 2) All WG Chairs to review the per IEEE 802 program contents for accuracy and provide feedback to Marie
  - 3) The EC has tentatively scheduled an Executive Session teleconference Tuesday 03 NOV 2015 11pm
  - ET, Marie will notify the EC members if the call will be needed.
  - 4) Chaplin to request registration details for Fellowship participants from Parsons
  - 5) D’Ambrosio to continue to issue DVDs as the mechanism for 802 standards distribution for the foreseeable future.
  - 6) Nikolich to add a November EC agenda item to decide whether or not to hold a formal 802 EC meeting at the joint January 802 Intersession in Atlanta
  - 7) IEEE SA Staff will demonstrate the revised myProject platform on Tu/We/Th of the November plenary session in Dallas
  - 8) Chaplin to follow up with Marek Hajduczenia as an Assistant Treasurer candidate.
  - 9) Gilb will request approval from 802 EC via email ballot to endorse the Student Paper Activity within 30 days
  - 10) Stephens and Shellhammer to inform Slykhouse of the four tutorial fee waivers approved at this telecon meeting.
  - 11) All EC members to provide agenda items to David Law for the January EC Workshop

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Time:8:21am

5.13	II	Review 802 Task Force Agenda	Nikolich	5	08:28 AM
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Nikolich presented slide below. He asked if anyone wanted to add any items to task force agenda. No one had any input.

## 5.13 802 Task Force

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

Tentative agenda

### 1. Open portion of meeting:

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

### 2. Closed portion of meeting:

1. No executive session business.

### 3. Adjourn

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Time: 8:21am

5.131	DT	Indemnification Clarification Update	Nikolich	2	08:33 AM
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Nikolich gave verbal update – no progress. Eileen Lach is the IEEE attorney, and she has not had time to progress.

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

Time: 8.24

5.140		Officers / 802 Reports			08:35 AM
5.1405	II	IEEE-SA Fellowship Exchange Program Update	Parsons	5	08:35 AM

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

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

Time: 8:32am

5.141	II	P&P update	Gilb	5	08:40 AM
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Gilb showed and provided verbal update of changes to the following documents.

- WG P&P IEEE\_802\_WG\_PandP\_v17.6-v17.5.doc [\(See attached document\)](#)
- Chair's Guidelines IEEE\_802\_Chairs\_guidelines\_v21\_with\_changes.pdf [\(See attached document\)](#)
- Operations Manual IEEE\_802\_OM\_proposed\_v17.3\_with\_changes.pdf [\(See attached document\)](#)

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

5.142	II	Current and Future venue report	Rosdahl	10	08:45 AM
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Rosdahl presented Slide 91-r1, Page 3, Page 4, Page 5, Page 6, Page 7,

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

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

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

Time: 8:55am

5.143	II	Treasurer's report	Chaplin	5	08:55 AM
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Chaplin presented ec-15-0092-00-00EC-2015-11-09-treasurer-report.pdf. See [attached presentation](#).

Action Item - Rosdahl noted that he has expenses to submit

Chaplin noted a personal merger, and informed the EC of his new wife.

Time:9:02

5.144	DT	Status Update - Get802	Marks	5	09:00 AM
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Marks gave verbal update. Document 49r3, which was presented at Oct Telecon – no status change since then.

Exec session set up for Thurs 4pm to 6pm to discuss follow-up

Time:9:05am

5.145	II	January EC Workshop Update	Law	5	09:05 AM
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Law gave verbal update. Saturday of Interim meeting. Agenda items included so far:

- TAG line for IEEE 802 press releases
- Discussions of YANG models
- Final clarification of indemnification policy
- Update of patent policy
- Can a study group develop one or more PARs

Law invited others to send him items.

5.1451	DT	Should EC hold a formal 802 EC meeting at the joint 802 January 2015 Interim Session?	Nikolich	5	09:10 AM
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Nikolich led discussion. In general, there was no support from EC for EC meeting at January Interim.

5.146	H	IEEE-SA Fellowship Exchange Program Update	Parsons	0	09:15 AM
5.147	II	University Outreach / Student Paper Update	Rosdahl / Gilb	5	09:15 AM

Rosdahl presented the following slide..

doc:802 EC-15/091r1

## 5.147 University Outreach

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



Gilb gave verbal update on Student Paper update. Looking at getting final version on Friday for approval. Gilb thanked IEEE for support of flyer.

5.148	DT	Converting Radio Regulatory TAG to Standing Committee	Thaler	10	09:20 AM
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Thaler presented the following slides that had been sent to the 802 EC reflector.

## Recommendation

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

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

Pat Thaler, 9 Nov 2015

It was asked if there would be any further meetings at the Plenary – Thaler said she hasnt been getting much discussion, so thought it wasnt needed. Some members wanted to discuss further. 9am to 9:30am Tues 11/10 and 5pm to 6pm Wed 11/11 in Prior Crockett will be reserved.

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

It was requested that the WG chairs be allowed to discuss with the working groups – as the members of the WGs may be interested. Thaler to go to radio regulatory group to meet and discuss.

Time:9:26am

5.149	II	Final Report of EC Privacy SG	Zuniga	3	09:30 AM
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Zuniga gave verbal update that PAR was approved, and work will begin in 802.1 under Privacy Group.

Time:9:29

5.20		Standing Committee Reports			09:33 AM
5.21	II	IEEE 802 / IETF Standing Committee Status Report and plans for week	Thaler	3	09:33 AM

Thaler presented the following slide:

## IEEE 802-IETF Standing Committee

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

5.22	II	802 JTC1 Standing Committee Status Report and plans for week	Myles	3	09:36 AM
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Myles presented the following slides.

Nov 2015

doc.: IEEE 802.11-15/1285r1

## IEEE 802 JTC1 Standing Committee Nov 2015 opening report for EC

9 Nov 2015

### Authors:

Name	Company	Phone	email
Andrew Myles (Chair)	Cisco	+61 2 84461010 +61 418 656587	amyles@cisco.com
Peter Yee (Vice Chair)			

Submission

Slide 1

Andrew Myles, Cisco

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

Tuesday 10 Nov 2015, PM1
<ul style="list-style-type: none"><li>• Call to Order</li><li>• Select recording secretary &lt;- <b>important!</b></li><li>• Approve agenda</li><li>• Conduct meeting according to agenda</li><li>• Recess</li></ul>

Tuesday 12 Nov 2015, PM1
<ul style="list-style-type: none"><li>• Call to Order</li><li>• Conduct meeting according to agenda</li><li>• Adjourn</li></ul>

## The IEEE 802 JTC1 SC has a high level list of agenda items to be considered

### In no particular order:

- Approve minutes
  - From interim meeting in Sept 2015 in Bangkok
- Review extended goals
  - From formalisation of status as SC in March 2014
- Review status of SC6 interactions
  - Review liaisons of drafts to SC6
  - Review notifications of projects to SC6
  - Review status of FDIS ballots
- Prepare for SC6 meeting in February 2016
- Prepare for SC6/WG7 meeting in November 2015
- Consider any motions

## IEEE 802 has pushed 16 standards through PSDO process and have 8 in the pipeline

IEEE 802 standard	60 day pre-ballot		5 month FDIS ballot		Comments resolved
	Passed	Oct 2014	Passed	2 Nov 15	
802	Passed	Oct 2014	Passed	2 Nov 15	Discussion in Nov
802.1Xbx	Passed	19 Mar 15	Closes	28 Jan 16	Sent in Jun 2015
802.1Q-Rev	Passed	13 Mar 15	Closes	28 Jan 16	Sent in Jun 2015
802.1AX	Passed	30 May 15	Closes	20 Nov 15	No comments
802.1BA	Passed	23 Sep 15	-	-	Will be sent in Nov
802.1BR	Passed	23 Sep 15	-	-	Will be sent in Nov
802.22a	On hold	-	-	-	-
802.3bx	On hold	-	-	-	-

## There a few items of potential interest to the EC

- The PSDO process may prove useful for 802.3
  - IEC TC22 is now proposing a project to define "In-vehicle Gigabit Ethernet"
  - The ratification of 802.3 standards under PSDO may mitigate this sort of duplication
- The next SC6 meeting is in February 2016
  - Likely will have no IEEE 802 attendees
  - WG Chairs need to update their status reports by January
  - No substantive agenda currently available

5.23	II	802 EC / ITU Standing Committee Status Report and plans for week	Parsons	3	09:39 AM
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Parsons presented the following slides. It was noted that the WTSA meeting currently not defined. If they cant find someplae, they will use Geneva. Should be announced this month.

1

**IEEE 802**

**ITU** International Telecommunication Union

# IEEE 802 EC ITU standing committee

Glenn Parsons - Ericsson

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+1 613 963 8141

November 2015

11/06/2015

## Background

- IEEE-SA is engaging more in International Standards governance and public policy
- ITU events in 2015
  - ITU-T Review Committee
  - ITU-T TSAG
    - Including Cooperation & Collaboration rapporteur group
  - ITU World Summit on Information Society (WSIS)
  - ITU Council
- IEEE-SA BOG – International SDO task group
  - Provide guidance for the relationship between IEEE-SA and ITU, IEC and ISO

## Objective

- Provide IEEE 802 input into IEEE-SA engagements with ITU
- Receive updates on IEEE-SA engagements with ITU
- Do not interfere with existing technical liaisons to ITU-T (e.g., in 802.1, 802.3)
- Do not interfere with existing regulatory liaisons with ITU-R (e.g., in 802.18)

## LMSC P&P section 5.6, item #2

<http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf>

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

## November meeting plan

- Wednesday, 8-9 am
- Update on IEEE-SA BOG International SDO advisory group
- Summary of ITU-T SG20 IOT
- Preview of February ITU-T TSAG
- Planning for WTSA-16

5.24	II	IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week	Heile	3	09:42 AM
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Heile gave verbal update. Joint treasury, discussion of interims and future location venues.

Disussion of 1st draft of OM.

Time:9:42

5.25	II	IEEE 802 Regulatory Report and plans for week	Lynch	3	09:45 AM
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Lynch gave berbal update of business for week.

5.30		Liaison Reports			09:48 AM
5.31	II	3GPP Status Report on LAA and 5G	Nikolich / Shellhammer / Levy	5	09:48 AM

Shellhammer presented the following slides:

November 2015

doc.: IEEE 802.19-15/0090r2

## 3GPP LAA Workshop

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

Submission

Slide 4

Steve Shellhammer, Qualcomm

November 2015

doc.: IEEE 802.19-15/0090r2

## 3GPP LAA Workshop Presentations

- *Licensed-Assisted Access to Unlicensed Spectrum – An Overview, 3GPP*
- *IEEE 802 submission to 3GPP LAA Workshop, IEEE 802*
- *Wi-Fi and LAA Presentation by Wi-Fi Alliance to 3GPP LAA Workshop, W-Fi Alliance*
- *3GPP Programs for LTE in Unlicensed Spectrum – Market Drivers and Deployment Considerations, Wireless Broadband Alliance*
- *Contribution to 3GPP LAA Workshop, A Group of Cable Operators*
- *Automotive Perspective on Licensed Assisted Access, General Motors*
- Presentations are available at:
  - [ftp://ftp.3gpp.org/workshop/2015-08-29\\_RAN\\_LAA/Docs/](ftp://ftp.3gpp.org/workshop/2015-08-29_RAN_LAA/Docs/)

Submission

Slide 5

Steve Shellhammer, Qualcomm

## 3GPP LAA Workshop

- **The 3GPP members explained that during the work item (WI) many of the decisions are captured in the chairs report from each meeting**
  - RAN1 chair (Satoshi Nagata) volunteered to summarize the LAA portion of the RAN1 meetings and email to the IEEE
  - Posted on Mentor
    - <https://mentor.ieee.org/802.19/dcn/15/19-15-0089-00-0000-3gpp-ran1-chairs-notes.zip>
- **A new topic that came up was Coexistence Testing**
  - RAN4 will begin to look at specifying coexistence testing
  - IEEE 802 could provide inputs on this topic including
    - Coexistence Scenario descriptions
    - Coexistence Metrics
    - Test Plan Description

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Submission

Slide 6

Steve Shellhammer, Qualcomm

Shellhammer introduced Joe Levy affiliated with Inter Digital to discuss the 5G related activities within and external to 802, who presented the following slides.

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

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

Topic of unlicensed spectrum came up.

5.40		IEEE-SA Reports			09:53 AM
5.41	II*	Document publication priority update - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0085-00-00SA-ieee-802-publication-report-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0085-00-00SA-ieee-802-publication-report-nov-2015.pdf</a>	Turner	0	09:53 AM

Approved with approval of agenda. [See attached file.](#)

5.42	II*	Get IEEE 802 Update - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0083-00-00SA-ieee-802-nov-2015-plenary-get-802-update.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0083-00-00SA-ieee-802-nov-2015-plenary-get-802-update.pdf</a>	Kim	0	09:53 AM
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Approved with approval of agenda. [See attached file.](#)

5.43	II*	IEEE-SA PR and Mktg Tracking Reports - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0084-00-00SA-ieee-802-pr-and-marketing-tracking-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0084-00-00SA-ieee-802-pr-and-marketing-tracking-nov-2015.pdf</a>	Kim	0	09:53 AM
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Approved with approval of agenda. [See attached file.](#)

5.44	II*	IEEE-SA Active Standards Report	Kim	0	09:53 AM
5.45	II*	IEEE-SA Global Activities Report - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0087-00-00SA-ieee-802-intl-overview-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0087-00-00SA-ieee-802-intl-overview-nov-2015.pdf</a>	Kim	0	09:53 AM

Approved with approval of agenda. [See attached file.](#)

5.46	II	IEEE 802 EC Solutions Nov 2015 Report - <a href="https://mentor.ieee.org/802-ec/dcn/15/ec-15-0086-00-00SA-ieee-802-ec-solutions-nov-2015.pdf">https://mentor.ieee.org/802-ec/dcn/15/ec-15-0086-00-00SA-ieee-802-ec-solutions-nov-2015.pdf</a>	Boyce / Rosdahl	2	09:53 AM
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Rosdahl presented the slides in the [attached presentation.](#)

Nikolich showed latest update to EC meetings for week.

# 5.50 EC meetings for the week

(draft02)

Sunday 7:30-9:30pm	LMSC Rules Review (room Pryor Crocket)
Mon 8:00-10:00am	Opening Executive Committee meeting (Landmark D)
Mon afternoon	open
Mon 6:00-10:00pm	Tutorials (Landmark BC)
Tue 8:00am-8:30am	802/IETF Standing Committee (Pryor Crocket)
Tue 8:30am-9:00am	create Radio Regulatory Standing Committee discussion
Tue 1:30pm-3:30pm	802/JTC1/SC6 Standing Committee (Bryan-Beeman A)
Tue 4:00pm-6:00	open
Tue 7:30-9:30pm	802E Privacy project (Cotton Bowl)
Wed 8:00-9:00am	802/ITU Standing Committee (Pryor Crocket)
Wed 1:30-5:00pm	open
Wed 5:00-6:00pm	create Radio Regulatory Standing Committee discussion
Thu 7:00-8:00am	Plenary venue space allocation planning (Pryor Crocket)
Thu 8:00-9:00am	Future venue planning (Pryor Crocket)
Thu 9:00-10:00am	802 Chair's Open Office hour (Pryor Crocket)
Thu 10:30-12:30pm	IEEE 802 Task Force (Pryor Crocket)
Thu 1:30-3:30pm (tentative)	802/JTC1/SC6 Standing Committee (Bryan-Beeman A)
Thu 4:00-6:00pm	get 802 agreement discussion, Executive Session (Pryor Crocket)
Thu 8:00-10:00am	open
Fri 08am-noon	open
Fri 01pm-06pm	closing Executive Committee meeting (Landmark D)

23

Time: Approximately 10:00am

## Action Item Summary

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

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

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

## Motions Summary

### Consent Agenda

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

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