

MINUTES (Unconfirmed) IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING, Revision 1

Prepared by John D'Ambrosia, Recording Secretary

Monday, March 9, 2015 – 8:00 a.m.
All times CET

Estrel Berlin
Berlin, Germany

EC members (or their representatives) present:

Paul Nikolich	Chair, IEEE 802 LAN/MAN Standards Committee
Pat Thaler	1 st Vice Chair, IEEE 802 LAN/MAN Standards Committee
James Gilb	2 nd Vice Chair, IEEE 802 LAN/MAN Standards Committee, Chair, IEEE 802.24 Smart Grid TAG
Jon Rosdahl	Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D'Ambrosia	Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Glenn Parsons	Chair, IEEE 802.1 – HILI Working Group
David Law	Chair, IEEE 802.3 – Ethernet Working Group
Adrian Stephens	Chair, IEEE 802.11 – Wireless LAN Working Group
Bob Heile	Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks	Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch	Chair, IEEE 802.18 – Regulatory TAG
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
Juan Carols Zuniga	Chair, Privacy EC Study Group
Canchi Radhakrishna –	Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group

EC members absent:

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

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

1. Project No. 802.11
Title Local network for Computer Interconnection

2. 1.1 Name of Project Local network for Computer Interconnection
1.2 Number of 1 1.3 Number of 1

3. Project Description
Local network for Computer Interconnection
The proposed standard will specify a local area network (LAN) which will be used to communicate with each other at a moderate data rate (10 or 20 Mbps) and within a local area (physical data path up to 1 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacturers so that the hardware and software customization necessary for effective data communication is minimized or eliminated.

4. Sponsor Computer Society
Sponsor's Address Computer Society

5. Project Manager Dr. Robert S. Stewart
Project Manager's Address 1055 Bellevue Drive

6. Project Description
Local network for Computer Interconnection
The proposed standard will specify a local area network (LAN) which will be used to communicate with each other at a moderate data rate (10 or 20 Mbps) and within a local area (physical data path up to 1 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacturers so that the hardware and software customization necessary for effective data communication is minimized or eliminated.

7. Project Manager's Address
1055 Bellevue Drive
Bellevue, WA 98007 (360) 884-0300 Ext. 4234

8. Project Manager's Name
Dr. Robert S. Stewart
1055 Bellevue Drive
Bellevue, WA 98007 (360) 884-0300

MAR 2015 IEEE 802 LMSC

draft04

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URL: <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0004-03-00EC-mar-2015-opening-agenda.xlsx>

r03		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 – none

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

Approved agenda: <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0004-03-00EC-mar-2015-opening-agenda.xlsx>

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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 Nov 2014, Opening Meeting - 2014_1114_Open_Minutes_R0.pdf	D'Ambrosia	0	08:06 AM
3.01	MI*	APPROVE Motion: Approve minutes of Nov 2014 Closing Meeting 2014_1114_Close_Minutes_R0.pdf	D'Ambrosia	0	08:06 AM
3.02	MI*	APPROVE Motion: Approve minutes of 03 Feb 2015 conference call 2015_0203_Call_Minutes_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	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
5.02	II*	BoG Actions	Nikolich	0	08:08 AM
5.03	II*	Stds Board Actions (approved projects, standards, withdrawals)	Nikolich	0	08:08 AM
5.04	II*	LMSC Email Ballot Recap	Nikolich	0	08:08 AM
5.05	II*	EC Affiliation Update	Nikolich	0	08:11 AM
5.06	II*	Tutorial Schedule	Nikolich	0	08:11 AM
5.07	II*	List of Drafts to Sponsor Ballot	Nikolich	0	08:11 AM
5.08	II*	List of Drafts to Revcom	Nikolich	0	08:11 AM
5.09	II*	Draft documents to EC Ballot	Nikolich	0	08:11 AM
5.10	II*	PARS to NesCom	Nikolich	0	08:11 AM
5.11	II	Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs	Nikolich	5	08:11 AM
5.12	II	Action Item Recap (July 802 EC Sessions, EC Oct Teleconference)	Nikolich	10	08:16 AM
5.121	II	Get IEEE 802 Agreement Update	Nikolich	2	08:26 AM
5.122	II	Patent Policy Update	Nikolich	3	08:28 AM
5.13	II	Review 802 Task Force Agenda	Nikolich	5	08:31 AM
5.140		Officers / 802 Reports			08:36 AM

5.141	II	P&P update	Gilb	5	08:36 AM
5.142	II	Future venues	Rosdahl	10	08:41 AM
5.143	II	Treasurer's report	Chaplin	5	08:51 AM
5.144	II	802.24 TAG Update	Gilb	2	08:56 AM
5.145	II	Privacy Recommendation ECSG Update	Zuniga	2	08:58 AM
5.20		Standing Committee Reports			09:00 AM
5.23	II	IEEE 802 / IETF Standing Committee Status Report and plans for week	Thaler	4	09:00 AM
5.21	II	802 JTC1 Standing Committee Status Report and plans for week	Myles	4	09:04 AM
5.22	II	802 EC / ITU Standing Committee Status Report and plans for week	Parsons	4	09:08 AM
5.24	II	IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week	Heile	4	09:12 AM
5.25	II	IEEE 802 Regulatory Report and plans for week	Lynch	4	09:16 AM
5.30		Liaison Reports			09:20 AM
5.33	II	3GPP Status Report	Nikolich / Shellhammer	5	09:20 AM
5.40		IEEE-SA Reports			09:25 AM
5.41	II*	Document publication priority update	Turner	0	09:25 AM
5.42	II*	Get IEEE 802 Update	Kim	0	09:25 AM
5.43	II*	IEEE-SA PR and Mktg Tracking Reports	Kim	0	09:25 AM
5.44	II*	IEEE-SA Active Standards Report	Kim	0	09:25 AM
5.45	II*	IEEE-SA Global Activities Report	Kim	0	09:25 AM
5.50	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	09:25 AM
-	-	-	-	-	09:28 AM
6.00	DT	ADJOURN SEC MEETING	Nikolich		10:30AM

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

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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. Lisa Perry Technical Program Development
- 3. Kathryn Bennett Technical Program Development
- 4. Soo Kim Technical Program Development
- 5. Jon Goldberg Technical Program Development (observer)

Invited Guests

- 1. Mike Gilmore CENELEC TC215 WG convenor
- 2. Olivier Klein Common Public Radio Interface (CPRI), Alcatel-Lucent, invited by 802.1
- 3. Bernd Hassler CPRI, Nokia, invited by 802.1
- 4. Bjorn Pohlman CPRI, Ericsson, invited by 802.1

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Jon Goldberg introduced himself to the EC

Glen Parsons gave overview of CPRI

4.01	MI*	Fee Waivers: Staff and Invited Guest TBD	Nikolich	0	08:08 AM
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Approved with approval of agenda

		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 requested that Dawn Slykhouse provide an overview of meeting venue and logistics

5.01 Chair's Announcement

- Chair's opening remarks
 - tbd

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

5.02 SA BoG Update

- BoG meeting 04-05DEC2014 in NJ
 - patent policy revisions approved, sent to IEEE BoD for review
- IEEE BoD
 - Approved patent policy revisions at FEB2015 meeting
- Nikolich approved as candidate for the 2016/17 BoG

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Approved with approval of agenda.

5.03 SA Standards Board Actions

Project Actions

New Projects: 10DEC2014: P802.1AS/Cor2, P802.3bv, P802.3by
16FEB2015: P802.1Qch

Modified PAR: 16FEB2015: P802.1Qbv

Revisions: 10DEC2014: P802.1AB, P802.15.7
16FEB2015: P802.1AS

Reaffirmations: none

Corrigendum: 10DEC2014: P802.1AS-2011/Cor2, 16FEB2015: P802.1Q-2014/Cor1

Withdrawals: none

Extensions: none

Other: none

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5.03 SA Standards Board Actions

Standards Actions

New Standards: 10DEC2014: 802.1Xbx, 802.1AX;
16FEB2014: 802.1Qcd, 802.3bm, 802.16q

Revised Standards: none.

Reaffirmations: none

Corrigendum: 16FEB2015: 802.1AB-2009/Cor2

Extensions: none

Withdrawals: none

Other Notes: none

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Approved with approval of agenda.

5.04 LMSC Email Ballot Recap

	<u>open date</u>	<u>topic</u>	<u>yes/no/abs/dnv*</u>	<u>result</u>
1)	08NOV	802/3GPP liaison	14/00/00/01	pass
2)	20NOV	3GPP RAN chair fee waiver JAN2015	14/00/00/01	pass
3)	20NOV	Network Services contract extension	13/00/00/02	pass
4)	03DEC	Authorize 802/IETF SEP2014 mtg exp	12/00/00/03	pass
5)	05JAN	Authorize Coexistence SG release	10/00/00/05	pass
6)	07JAN	Authorize student \$25 reg fee	14/00/00/01	pass
7)	13JAN	Authorize PSDO review request	12/00/01/02	pass
8)	16JAN	Authorize 3GPP liaison process	11/00/00/01	pass
9)	16JAN	Authorize CENELEC fee waiver	13/00/00/02	pass
10)	22JAN	Authorize 3GPP liaison	13/00/00/02	pass
11)	28JAN	Authorize 802.3bm press release	13/00/00/02	pass
12)	05FEB	Authorize 802 response to SC6	12/01/00/02	pass

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

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Approved with approval of agenda.

5.05 EC Affiliation Update

IEEE 802 Executive Committee Members

Position	Name	Affiliation
Chair	Paul Nikolich	Self, YAS Broadband Friends, Samsung, Silver Spring Networks, Huawei, Intel
First Vice Chair	Pat Thaler	Broadcom Corporation
Second Vice Chair	James P. K. Gilb	Gilb Consulting Inc.
Treasurer	Clist Chaplin	Self
Recording Secretary	John D'Ambrosia	Dell
Executive Secretary	Jon Roadahl	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	EthoNet Associates, BaiCells
P802.18 Radio Regulatory TAG	Mike Lynch	MJ Lynch and Associates LLC
P802.19 Wireless Coexistence	Steve Shalhammer	Qualcomm Inc.
P802.21 Media-independent Handover	Subir Das	Applied Communication Sciences
P802.22 Wireless Regional Area Networks	Aparva Mody	BAE Systems
P802.24 Smart Grid TAG	James P. K. Gilb	Gilb Consulting
Member Emeritus	Geoff Thompson	OrcaSI Advisors, 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.

5.06	II*	Tutorial Schedule	Nikolich	0	08:11 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 Real-time Ethernet on IEEE 802.3 Networks	Room: ECC room1
7:30-9:00PM, sponsored by 802.3 Chair David Law Introduction to P802.3bn EPOC Protocol Mark Laubach et al	Room: ECC room 1
9:00-10:00PM, sponsored by 802.15 Chair Bob Heile IEEE802.15.7r1 – Expanding User Experiences	Room: ECC room 1
Tuesday	
7:30-9:30 PM Privacy EC Study Group meeting Encourage cross-802 group discussion on this topic	Room: ECC room 4
Wednesday	
6:30-10:00PM Social Reception	Location: ECC Festival Center
Thursday	
8:00-10:00AM Privacy EC Study Group meeting Encourage cross-802 group discussion on this topic	Room: ECC room 4

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5.07	II*	List of Drafts to Sponsor Ballot	Nikolich	0	08:11 AM
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Approved with approval of agenda.

5.07 Drafts to Sponsor Ballot

1. 802.01: none::
2. 802.03: dot3bw (conditional), dot3 maint#11 (conditional)::
3. 802.11: REVmc (conditional)::
4. 802.15: dot15.4q (conditional), 15 revision (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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5.08	II*	List of Drafts to Revcom	Nikolich	0	08:11 AM
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Approved with approval of agenda.

5.08 Drafts to RevCom

1. 802.01: dot1AB/Cor2::
2. 802.03: none::
3. 802.11: none::
4. 802.15: none::
5. 802.16: none::
6. 802.19: none:
7. 802.21: dot21d::
8. 802.22: none::
9. 802.24: none::

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5.09	II*	Draft documents to EC Ballot	Nikolich	0	08:11 AM
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Approved with approval of agenda.

5.09 Draft Documents to EC Ballot

1. 802.00 tbd::
2. 802.01: none::
3. 802.03: Authorize Industry Connections NG-EPON report, 3 ITU-T liaisons::
4. 802.11: DSRC report (maybe)::
5. 802.15: none::
6. 802.16: none::
7. 802.18: none::
8. 802.19: none::
9. 802.21: none::
10. 802.22: ISO approval press release::
11. 802.24: none::
12. 802/JTC1 SC: none::
13. 802/ITU SC: none::
14. 802/IETF SC: none::

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5.10	II*	PARS to NesCom	Nikolich	0	08:11 AM
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Approved with approval of agenda.

5.10 Draft PARs to NesCom

1. 802c amendment, Local MAC Addressing
2. 802.1Qci Amendment, Per-Stream Filtering and Policing
3. 802.1Qcj Amendment, Automatic Attachment to Provider Backbone Bridging (PBB) services,
4. 802.3bq Amendment, PAR Modification Request
5. 802.3bz Amendment, 2.5 Gb/s and 5 Gb/s
6. 802.11ay Amendment: Enhancements for Ultra High Throughput in and around the 60 GHz Band
7. 802.15.3e Amendment for High-rate close proximity point-to-point communications
8. Privacy Recommendation EC Study Group - Privacy Considerations for IEEE 802 Technologies
9. Withdrawal of 802.16r Project: Small Cell Backhaul with Carrier Ethernet

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Gilb, clearly not himself from showing up at the Opening meeting 15 minutes early failed to note that the Declaration of New Affiliations was on the consent agenda. Therefore, the chair, mercifully, allowed Mr. Gilb the opportunity to declare his new affiliation – Pulse~LINK.

Nikolich presented following slide –

5.11 Pre-PAR activity

Group	New	Existing
dot01	None::	SG Local MAC address, 1 st ext::
dot03	None::	SG Next Gen Enterprise Access PHY, 1 st ext::
dot11	None::	SG related to Positioning, 1 st ext:: SG Next Generation 60 GHz, 2nd ext:: Wireless Next Generation Standing Committee::
dot15	None::	SG High Rate Close Proximity, 1 st ext:: Interest Group: Enhanced Dependability::
dot16	None::	None::
dot18	None::	None::
dot19	None::	SG Coexistence in Unlicensed Bands, 1 st ext::
dot21	None::	None.
dot22	None::	None.
dot24	None::	None::
dotEC5G		SG: Privacy Recommendations (2nd ext).

5.12	II	Action Item Recap (July 802 EC Sessions, EC Oct Teleconference)	Nikolich	10	08:16 AM
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Nikolich presented following slide.

5.12 EC Action Item recap

- Open Action Items from November 2013 EC Workshop
 - 4.00/ws13-02 Roger and Glinz to complete WG ballot notice action, complete Nov. 2014 plenary, Roger summarized this issue in ec-14-0088-00: <https://mentor.ieee.org/802-ec/ten/14/ec-14-0088-00.pdf>, but it was not discussed at the Nov. 2014 workshop due to agenda pressure.
- Open Action Items from March 2014 Plenary
 - Item 3.1 Gilb - Review rules regarding endorsement / affiliation letter requirements for temporary appointments. Status - No action at this time. Language to be provided by March 2015.
 - Item 4.03 Thaler - Develop a process to capture EC approved CSDs and make publicly available for easy review. Status - Email proposal sent to reflector prior to meeting. Action Item: Thaler / D'Ambrosia to define process and webpage. Under discussion, complete March 2015.
- Open Action Items from July 2014 Plenary
 - 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 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
- Open Action Items from Nov 2014 Plenary
 - ~~Item 8.021 Thompson/Law/Stephens to submit written feedback to SA on Public Review Process. Due Feb telecon~~
 - ~~Item 9.00 Gilb/Thompson to conduct EC email ballot on proposed changes to P2413. Std. for an Architectural Framework for IoT. Due IEEECS14.~~
- Open Action Items from Feb 2015 telecon
 - Item 5.00 EC members to provide feedback on survey results to Rosdahl. Due March 2015.
 - From NOV/2014 plen Item 8.021 Thompson/Law/Stephens to submit written feedback to SA on Public Review Process. Due March 2015
 - From NOV/2014 plen Item 9.00 Gilb/Thompson to conduct EC email ballot on proposed changes to P2413. Std. for an Architectural Framework for IoT. Due March 2015

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Update -

March 2014 Plenary -

- Item 4.03 - Thaler / D'Ambrosia to address and provide update.

July 2014 Plenary

- item 6.11 Gilb/Thaler to review and update EC on rules regarding teleconferences for ECSGs.

Oct 2014 Telecon

- Item 5.12 - D'Ambrosia – talk to Nikolich / Marks on Business Development
- Item 5.13 – committee supported Heile, Chaplain, Gilb, Nikolich, Rosdahl. Item complete

Telecon

- Item 5.00 – closed, no feedback received
- Item 8.021 – Thompson has been discussing with staff. It is an on-going effort,

Action Item – Rosdahl to announce the next IEEE-SA call to discuss Public Review Process.

- Item 9.00 – In process. To be reposted and requested to be added to consent agenda for Mar Closing Meeting.

5.121	II	Get IEEE 802 Agreement Update	Nikolich	2	08:26 AM
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Nikolich gave verbal update.

Adam Newman sent a copy of the agreement. The footer of the document indicates that all contents of the document are confidential. (Please note that as many members have multiple email addresses, members may need to check their other email addresses.)

Chair noted that this an item will be added to 802 Task Force Meeting, but it will need to be done as Executive Session.

Time:8:27

5.122	II	Patent Policy Update	Nikolich	3	08:28 AM
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Nikolich gave verbal update.

Action Item - Nikolich will forward note from Dave Ringle to the EC reflector.

5.13	II	Review 802 Task Force Agenda	Nikolich	5	08:31 AM
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Nikolich presented the following slide

5.13 802 Task Force

- 802 Task Force, Thurs 10:30AM-12:30 (room: xxx)
 - Tentative agenda
 - 1. Update on draft Public Review policy, 15 min, Thompson
 - 2. Update on clarification of Indemnification policy, 15 min, Nikolich
 - 3. Any other business?
 - 4. Action item review, 10 min, Nikolich
 - 5. Adjourn

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Chair asked if any requests for additions. No requests made.

Time:8:30am

5.140		Officers / 802 Reports			08:36 AM
5.141	II	P&P update	Gilb	5	08:36 AM

Gilb gave verbal update. It was noted Rev 3 to ec-14-0087 had been uploaded. See attachment - ec-14-0087-03-00EC-overview-of-proposed-wg-p-p-changes.pdf

Modification to the P&P is resulting from request by AudCom.

Time: 8:32

5.142	II	Future venues	Rosdahl	10	08:41 AM
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Rosdahl presented the following slide

March 2015

doc.: IEEE 802 EC-15-0018r0

Executive Secretary Agenda items March 2015 Plenary

Date: 2015-03-08

Authors:

Name	Affiliations	Address	Phone	email
Jon Rosdahl	CSR Technologies Inc.	10871 N 5750 W Highland, UT 84003	+1-801-492-4023	jrosdahl@ieee.org

Abstract

Agenda Items for Executive Secretary:

Monday:

5.142 II Future venues

5.142 II Future Venues

- **Future Venue Information:**
 - **802 EC-12/40r10:** [ec-12-0040-10-00EC-802-plenary-future-venue-contract-status.xlsx](#)
- **Working on openings:**
 - 2018 – March - November
 - 2019 – March – July
- **Site Visit Report:**
 - Vienna – Looks promising – working on final Bid –July 2019
- **802 Interim - 2016 Atlanta**
 - **802 EC Workshop – January 23, 2016**
 - **Note potential cost of non attendance by All WGs**

Motion for Friday – Site Visit #1

Whereas, Bob Heile and Rick Alvin are going to visit Centara Convention Center in Thailand, Bangkok for a Wireless interim site visit, and

Whereas a potential 2018 Venue is at the Ritz/Marriott in K-L, and/or SunTec in Singapore and very close proximity;

Move to approve a Site visit for Bob Heile and Rick Alvin to visit K-L and Singapore for the purpose of a Site Inspection, with the cost to not exceed an additional \$2000.

Moved: Jon Rosdahl

2nd:

Report

Slide 4

Jon Rosdahl, CSR

Venue Targets for 2018/2020

- **Working on openings:**
 - 2018 – March – November
 - Ritz-Marriott in K-L
 - Suntec in Singapore
 - 2019 – March – July
 - St. John's NFLD –July 2019
 - ITU – Geneva – July 2019

- **Other possibilities:**
 - Grand Hyatt Incheon, South Korea as a venue for 2018 or 2020.

Report

Slide 5

Jon Rosdahl, CSR

It was noted that Mr. Rosdahl used only 8 minutes of the 10 minutes he was allocated. The unused time of the agenda item was spent debating the correct spelling of the term "Interim."

Time: 8:42

5.143	II	Treasurer's report	Chaplin	5	08:51 AM
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Rosdahl presented Treasurer's report. See attachment - ec-15-0019-00-00EC-2015-03-09-treasurer-report.pdf

Time 8:49

5.144	II	802.24 TAG Update	Gilb	2	08:56 AM
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Gilb gave verbal update.

IoT application development gorup seeking to become a task group. Scope Document has been sent out. Individual WG's should respond by Tuesday 6:30pm.

Elections for chair this week. Tim Godfrey is only candidate.

Smart Grid Task Group working on white paper and presentation.

Time: 8:52am

5.145	II	Privacy Recommendation ECSG Update	Zuniga	2	08:58 AM
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Zuniga presented following slides.

privecsg-15-0009-00-0000

IEEE 802 EC Privacy Recommendation Study Group

Update to IEEE802-EC @ March 2015 Plenary meeting

2015-03-09
Juan Carlos Zuniga, InterDigital Labs
(EC SG Chair)

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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

2

Privacy EC SG - Progress so far

- November 4&6, 2014, during the IEEE 802 Plenary meeting in San Antonio, TX, USA
- 10 December 2014, (10:00 AM ET), Teleconference
- 12-15 January 2015, IEEE Interim meeting in Atlanta, GA, USA
- 4 February 2015, (10:00 AM ET), Teleconference
 - PAR/CSD pre-circulation
- 25 February 2015, (10:00 AM ET), Teleconference (cancelled)
- 8-13 March 2015, IEEE 802 Plenary meeting in Berlin, Germany

3

March Plenary Meeting

- MAC address randomization trial
 - SSID: “ieee802_privacy_trial”
 - <https://mentor.ieee.org/privecsg/dcn/15/privecsg-15-0007-00-0000-wifi-privacy-experiemment-at-802-berlin-plenary.pptx>
- PAR / CSD comments resolution
 - Threat model and recommended practices
- Next steps for Privacy EC SG
 - Renew SG, PAR submission, etc.

4

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>

5

Zuniga reminded group that a MAC address randomization trial is being run this week. Looking for participants.

Discussion of 802.1 taking on activity. Zuniga will present to 802.1 this week, and a vote will be taken this week.

Time: 8:57am

5.20		Standing Committee Reports			09:00 AM
5.23	II	IEEE 802 / IETF Standing Committee Status Report and plans for week	Thaler	4	09:00 AM

Thaler had computer issues. Moved to after Item #5.24

5.21	II	802 JTC1 Standing Committee Status Report and plans for week	Myles	4	09:04 AM
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Myles presented the following slides – See <https://mentor.ieee.org/802.11/dcn/15/11-15-0315-00-0jtc-ieee-802-jtc1-sc-report-for-ieee-802-ec-in-berlin-mar-2105.pptx>

Mar 2015

doc.: IEEE 802.11-15/0315r0

IEEE 802 JTC1 Standing Committee Slides for IEEE 802 EC opening

9 March 2015

Authors:

Name	Company	Phone	email
Andrew Myles	Cisco	+61 2 84461010 +61 418 656587	amyles@cisco.com

Submission

Slide 1

Andrew Myles, Cisco

The IEEE 802 JTC1 SC has two slots at the Berlin plenary meeting, but may only need one slot

Tuesday 10 Mar 2015, PM1	Thursday 12 Mar 2015, PM1
<ul style="list-style-type: none"> • Call to Order • Select recording secretary <- important! • Approve agenda • Conduct meeting according to agenda • Recess 	<ul style="list-style-type: none"> • Call to Order • Select recording secretary <- important! • Conduct meeting according to agenda • Adjourn

Submission

Andrew Myles, Cisco

IEEE 802 JTC1 SC has a high level list of agenda items to be considered in Berlin

Abstract of main agenda items

- Review status of SC6 interactions
 - Review liaisons of drafts to SC6
 - Review notifications of projects to SC6
 - Review status of FDIS ballots
 - Discuss issues between IEEE and ISO style guides
 - Review openness of 802.15 BRC process
- Discuss various matters relating to Belgium SC6 meeting
 - Authorise and empower HoD
 - Review status of proposals in SC6/WG7
 - Review agenda in SC6/WG1
 - Discuss SC6/WG10 NWIP related to IoT registration
- Discuss PSDO agreement review

Submission

Slide 3

Andrew Myles, Cisco

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

IEEE 802 standard	60 day pre-ballot	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

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)	Closes 11 July 2015	Sent in Nov 2014
802.11af	Passed (Sep 2014)	Closes 11 July 2015	Sent in Nov 2014
802.1AEbw	Passed (Jan 2014)	Passed 1 Feb 2015	Consider in Berlin
802.1AEbn	Passed (Jan 2014)	Passed 1 Feb 2015	Consider in Berlin
802.1Xbx	Closes 19 March 2015	-	-
802.1Q-Rev	Closes 13 March 2015	-	-
802	Passed (Oct 2014)	Waiting for start	Sent in Feb 2015
802.3.1	Passed (Oct 2014)	Closes 19 June 2015	Sent in Nov 2014
802.22	Passed (May 2014)	Passed (Feb 2015)	None required
802.22a	Waiting for 802.22	-	-

The SC agreed in Nov 2014 on a process for developing & approving PSDO comment resolutions

In the beginning ...

- All 60 ballot and FDIS ballot comment responses were developed and approved by the IEEE 802 JTC1 SC and then the IEEE 802 EC

Now that we have matured ...

- Most WGs are processing and approving comment resolutions, and then forwarding the resolutions to IEEE 802 EC directly without involving the IEEE 802 JTC1 SC
- The IEEE 802 JTC1 SC is continuing to provide advice on non-technical comments, to ensure consistency across WGs

Going forward ...

- It is planned that we institutionalise the practice above
- It is expected that the WG Chairs and the IEEE 802 JTC1 SC Chair will keep each other informed

There are likely actions for IEEE 802 EC and WG Chairs coming out of this week's SC meeting

IEEE 802 EC

- Friday: Appoint and empower IEEE 802 HoD to SC6 meeting in Belgium
- Friday: Approve comment resolutions for 802.1AEbw and 802.1AEbn
- ...

IEEE 802 WG Chairs

- < 1 April: Update and submit WG status reports for SC6 meeting
- ...

5.22	II	802 EC / ITU Standing Committee Status Report and plans for week	Parsons	4	09:08 AM
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Parsons presented the following slides - <https://mentor.ieee.org/802-ec/dcn/15/ec-15-0014-00-INTL-itu-standing-committee-opening-ec-status.ppt>

1

IEEE 802

ITU International Telecommunication Union

IEEE 802 EC
ITU standing committee

Glenn Parsons - Ericsson

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March 2015

3/10/2015

2

3/10/2015

Background

- IEEE-SA is starting to engage more in International Standards governance and public policy
- ITU events in 2014
 - ITU-T Review Committee
 - ITU-T TSAG Cooperation & Collaboration rapporteur group
 - ITU-D World Telecom Development Conference (WTDC)
 - ITU World Summit on Information Society (WSIS+10)
 - ITU Plenipotentiary Conference
- 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/np/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 2014 meetings

- **Summary and discussion of**
 - past and ongoing ITU conferences (including Plenipot)
 - ITU-T TSAG and RevCom
 - GSC
 - IEEE Internet Initiative
- **IEEE 802, through this ITU SC, should lead prep meetings for upcoming ITU events for IEEE**
 - Formalize current volunteer engagement
 - Summarize issues to be discussed per ITU event
 - Review proposed positions/contributions
 - Hold conference calls as needed between plenaries

March meeting plan

- **Wednesday, 7-8 am**
- **Update on IEEE-SA BOG International SDO advisory group**
- **Preview of June ITU-T TSAG**
- **ITU TSB proposal on improving collaboration**

Proposals in ITU-T to start a new study group. IoT, Intelligent Transportation, and 5G is being discussed. Potential timeline – if agreement anticipated approval would be June 2015.

Discussion of on-going reciprocal relationship with ITU-T.

5.24	II	IEEE 802 Wireless Chairs Standing Committee Status Report and plans for week	Heile	4	09:12 AM
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Heile gave verbal overview, referenceing to the agenda published on EC reflector. See attachment - ec-15-0015-00-WCSG-802-wireless-chairs-meeting-agenda-2015-03-08. Anticipated that minutes published afternoon March 9.

.5.23	II	IEEE 802 / IETF Standing Committee Status Report and plans for week	Thaler	4	09:00 AM
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Thaler presented following slide.

IEEE 802-IETF Standing Committee

- List of items for coordination is at:
 - <http://www.iab.org/wp-content/IAB-uploads/2015/01/coordination-15.txt>
 - 13 open items (14 closed)
 - Potential new items
 - Bit Indexed Explicit Replication (bier) charter is under review
 - consider adding
 - draft-baccelli-manet-multihop-communication - concerns wireless communication, if it moves to WG draft, consider adding
- Waiting to Sept call decide whether to have a f2f coordination meeting in Jan 2016
 - Based on whether agenda items emerge
- Will meet to discuss whether there are any new issues emerging.

5.25	II	IEEE 802 Regulatory Report and plans for week	Lynch	4	09:16 AM
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Lynch gave verbal update based on his opening report. Last meeting before next ITU meeting, so last opportunity to address any comments that are desired to be considered.

March, 2015

doc.: 18-15/0014

RR-TAG Opening Report

Date: November, 2014

Authors:

Name	Company	Address	Phone	email
Michael Lynch	MJ Lynch & Associates LLC	108 Brentwood Court Allen, TX 75013	1.972.814.4901	mjlynch@mjlallc.com

Notice: This document has been prepared to assist IEEE 802.18. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Submission

Slide 1

Michael Lynch, MJ Lynch & Associates LLC

March, 2015

doc.: 18-15/0014

Overview

- This meeting provides what will be a final opportunity by IEEE 802 to revise/enhance our previous response to ITU-R Question 236/1, dealing with technologies and spectrum used in the management of Smart Grids. It should be noted that while IEEE 802.20 has been submitted along with other IEEE 802 Standards there is an effort underway to add a separate section that seems to duplicate 802.20
- The attendance varies depending on the topics & documents being considered. While we plan for ~15 representing all 802 WGs the actual attendance can be considerably more (or less).
- Final approval of documents is intended to be done Thursdays during AM1 and AM2.

Submission

Slide 2

Michael Lynch, MJ Lynch & Associates LLC

Some of the items to be considered at this meeting

- The RR-TAG will review the being done in ITU-R WP1A dealing with a response to ITU-R Question 236/1 titled “Working Document towards a Preliminary Draft Report ITU-R SM [Smart Grid].
 - WP1A would like to complete the document at their next meeting and send it for approval in mid-2015, so they have asked for any comments or edits to be provided by 31 December 2014.
 - It has been agreed that the resulting document (Report or Recommendation) should provide information vital to a WRC (maybe in 2015) on deciding the spectrum needs for Smart Grid.
 - It should be noted that while IEEE 802.20 has been submitted along with other IEEE 802 Standards there is an effort underway to add a separate section that seems to duplicate 802.20
- We will review the FAA’s drone rules, the FCC update/simplification of their rules and PARs proposed for approval at this Plenary.
- We anticipate a contribution dealing DSRC could be sent for our review.

Submission

Slide 3

Michael Lynch, MJ Lynch & Associates LLC

Additional RR-TAG Items for March:

- Further contributions to ITU-R, FCC, and to other regulatory bodies are added as needed. Many of these items appear with short notice to the TAG and with very short response times.
- The RR-TAG agenda can be found on the RR-TAG’s Mentor web site; expect that as normal there will be many revisions prior to the start of the meeting. Please check it for items of interest that may not be listed in the Opening Report.
- Don’t forget that for the most part you can maintain your voting rights in your home group when you participate in the RR-TAG (and, of course, log your attendance correctly!).

Submission

Slide 4

Michael Lynch, MJ Lynch & Associates LLC

Time:9:19am

5.30		Liaison Reports			09:20 AM
5.33	II	3GPP Status Report	Nikolich / Shellhammer	5	09:20 AM

Shellhammer presented the following slides

December Coexistence Lessons Learned Liaison

- **In November the IEEE 802 Executive Committee approved the Coexistence Lessons Learned Liaison presentation to 3GPP**
 - Doc IEEE 802.19-14/80r2
- **The liaison was presented at the 3GPP TSG RAN meeting December 9, 2014**
 - The presentation was well received. Several people thanked the IEEE for a very good presentation.
 - There was interest in understanding how much one 802.11 network affects another 802.11. They wanted to know if such a “baseline” existed in the IEEE.
 - They asked if the IEEE planned to do its own coexistence studies. We told them at this point the plan is to review and comment on the 3GPP coexistence studies.
 - They asked if the IEEE had ever considered developing a management and control channel in licensed spectrum, like in LAA. We explained that IEEE typically standardizes operation in unlicensed spectrum, even for control and management channels
 - 3GPP TSG RAN Chair mentioned that he would be presenting at the January IEEE 802 session and also could return to the IEEE after the completion of the Study Item

Submission

Slide 3

Steve Shellhammer, Qualcomm

January Liaison from 3GPP

- **The 3GPP TSG RAN Chair (Dino Flore) gave a liaison presentation to IEEE 802 at the January IEEE 802.19 session, which was advertised to all attendees of the January all-802 Interim and well attended by members of many working groups**
 - <https://mentor.ieee.org/802.19/dcn/15/19-15-0008-00-0000-3gpp-and-unlicensed-spectrum.pdf> (doc IEEE 802.19-15/8r0)
 - There was a questions and answer period providing good interaction between TSG RAN Chair and 802 members
 - TSG RAN Chair volunteered to attend a future IEEE 802 meeting after the completion of the Study Item in June (most likely at the July IEEE 802 Plenary)

Submission

Slide 4

Steve Shellhammer, Qualcomm

January Liaison to 3GPP TSG RAN

- **At the January Interim the WG reviewed a process document for approving liaisons to 3GPP TSG RAN regarding coexistence issues**
 - This process document <https://mentor.ieee.org/802.19/dcn/14/19-14-0089-01-0000-liaison-approval-process.pptx> (doc IEEE 802.19-14/89r1) was subsequently approved by the Executive Committee
- **At the January IEEE all-802 Interim session a liaison was drafted by members of a number of working groups and subsequently approved by the Executive Committee**
 - http://www.ieee802.org/Communications/15_01/15_0202_Liaison_802LMSC_3GPP_TSG.pdf

Submission

Slide 5

Steve Shellhammer, Qualcomm

Discussion regarding Co-existence studies by IEEE. There is no relationship between co-existence studies and the new 19 CUB Study Group. It has been discussed in 802.19 whether co-existence studies should be undertaken. Decision has been to review other on-going studies.

It was discussed about having Shellhammer doing a presentation on his activities to 802.11. There is a call for a liaison to 802.19 on this topic. Steve will co-ordinate with Adrian.

5.40		IEEE-SA Reports			09:25 AM
5.41	II*	Document publication priority update	Turner	0	09:25 AM

Approved with approval of agenda. See attachment – ec-15-0011-01-00SA-ieee-802-publication-report-march-2015.pdf

5.42	II*	Get IEEE 802 Update	Kim	0	09:25 AM
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Approved with approval of agenda. See attachment- ec-15-0008-01-00SA-ieee-802-march-2015-plenary-get-802-update.pdf

5.43	II*	IEEE-SA PR and Mktg Tracking Reports	Kim	0	09:25 AM
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Approved with approval of agenda. See attachment- ec-15-0009-01-00SA-ieee-802-pr-and-marketing-tracking-march-2015.pdf

5.44	II*	IEEE-SA Active Standards Report	Kim	0	09:25 AM
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Approved with approval of agenda. Contents of ec-15-0013-01-00SA-ieee-802-par-std-report-3-2-2015.zip have been attached and include:

- IEEE 802 PAR_STD Report_3-2-2015.xls
- IEEE 802 PAR_STD Report_3-2-2015 (PAR).pdf
- IEEE 802 PAR_STD Report_3-2-2015 (STD).pdf

5.45	II*	IEEE-SA Global Activities Report	Kim	0	09:25 AM
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Approved with approval of agenda. See attachment- ec-15-0012-01-00SA-ieee-802-intl-overview-mar-2015.pdf

Time:9:27

5.50	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	09:25 AM
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Nikolich presented following slide.

5.50 EC meetings for the week

(draft01)

Sunday 7:30-9:30pm	LMSC Rules Review (room 30441)
Mon 6:30-10:00pm	Tutorials (ECC room 1)
Tue 9:00am-10:00am	Student Outreach (room 30210)
Tue 1:30pm-3:30pm	802/JTC1/SC6 standing committee (room 30441)
Tue 4:00pm-6:00	Student Outreach (room 30210)
Tue 7:30-9:30pm	Privacy ECSG (ECC room 4)
Wed 7:00-8:00am	802/ITU Standing Committee (room 30310)
Wed 8:00-9:00am	802/IETF Standing Committee (room 30310)
Wed placeholder	
Thu 7:00-8:00am	Plenary venue space allocation planning (30241)
Thu 8:00-9:00am	Future venue planning (30241)
Thu 9:00-10:00am	802 Chair's Open Office hour (30241)
Thu 10:30-12:30pm	IEEE 802 Task Force (30241)
Thu 8:00-10:00am	Privacy ECSG (ECC room 4)
Fri 08am-noon	open

23

Time: 9:30

6.00	DT	ADJOURN SEC MEETING	Nikolich		10:30AM
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Meeting adjourned.

Action Items

Item 5.12

March 2014 Plenary -

- Item 4.03 - Thaler / D'Ambrosia to address and provide update.

July 2014 Plenary

- item 6.11 Gilb/Thaler to review and update EC on rules regarding teleconferences for ECSGs.

Oct 2014 Telecon

- Item 5.12 - D'Ambrosia – talk to Nikolich / Marks on Business Development
- Item 5.13 – committee supported Heile, Chaplain, Gilb, Nikolich, Rosdahl. Item complete

Telecon

- Item 5.00 – closed, no feedback received
- Item 8.021 – Thompson has been discussing with staff. It is an on-going effort,

Action Item – Rosdahl to announce the next IEEE-SA call to discuss Public Review Process.

- Item 9.00 – In process. To be reposted and requested to be added to consent agenda for Mar Closing Meeting.

Item 5.122

- Action Item - Nikolic will forward note from Dave Ringle to the EC reflector.

Motions

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