

IEEE 802 July 2014 Plenary

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

Prepared by John D'Ambrosia, Recording Secretary

Friday, July 18, 2014 – 1:00 p.m.
All times Pacific Daylight Time (PDT)

Manchester Grand Hyatt
San Diego, CA, 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
James Gilb – 2nd Vice Chair, IEEE 802 LAN/MAN Standards Committee,
Chair, IEEE 802.24 Smart Grid TAG
Jon Rosdahl – Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D'Ambrosia – Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Glenn Parsons – Chair, IEEE 802.1 – HILI Working Group
David Law – Chair, IEEE 802.3 – Ethernet Working Group
Adrian Stephens – Chair, IEEE 802.11 – Wireless LAN Working Group
Bob Heile – Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks – Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch – Chair, IEEE 802.18 – Regulatory TAG
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

EC members absent:

Clint Chaplin – Treasurer, IEEE 802 LAN/MAN Standards Committee

Nonvoting EC members absent:

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

v03		DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
		Friday 1:00PM-6:00PM, 18-Jul-2014			
Key:		ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item			
		Special Orders			
		Category (* = consent agenda)			

IEEE 802 July 2014 Plenary

1.00		MEETING CALLED TO ORDER	Nikolich	0	01:00 PM
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Meeting called to order at 1:00pm

2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	10	01:00 PM
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URL: <https://mentor.ieee.org/802-ec/dcn/14/ec-14-0034-03-00EC-july-2014-closing-agenda.xlsx>

Discussion regarding agenda

- Add 7.112 ME - external liaison to 3GPP from IEEE 802
- Add 3.05 MI – Changes to Operations Manual, WG P&P, and Chair's Guidelines
- Add 6.041 II - Local Address Space Usage Plan

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

Approved Agenda URL: <https://mentor.ieee.org/802-ec/dcn/14/ec-14-0034-04-00EC-july-2014-closing-agenda.xlsx>

v04		DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
		Friday 1:00PM-6:00PM, 18-Jul-2014			
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	0	01:00 PM
2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	10	01:00 PM
					01:10 PM
3.00	II	Announcements from the Chair	Nikolich	10	01:10 PM
3.001	II	802.16 WG Status Report	Marks	5	01:20 PM

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3.01	MI	WG Officer Confirmation - Roger Marks, 802.16 Chair	Nikolich	3	01:25 PM
3.02	MI	WG Officer Confirmation, Harry Bims, 802.16 Vice Chair	Nikolich	3	01:28 PM
3.03	MI	WG Officer Confirmation, Hyeong Ho Lee, 802.21 Vice Chair	Nikolich	3	01:31 PM
3.04	II	JTC1 ad-hoc report	Myles	5	01:34 PM
3.041	MI	Appointment of head of delegation to SC6	Myles	3	01:39 PM
3.042	MI	Empowerment of head of delegation to SC6	Myles	3	01:42 PM
3.05	MI	Changes to Operations Manual, WG P&P, and Chair's Guidelines	Gilb	10	01:45 PM
					01:55 PM
4.00		LMSC Internal business			01:55 PM
4.01	DT	802-Overview and Architecture report	Gilb	0	01:55 PM
4.02	MI	Future Venue Meeting Report	Rosdahl	10	01:55 PM
4.021	MI	Motion to Approve Venue for 802 Plenary session Nov 2016	Rosdahl	3	02:05 PM
4.022	MI	Motion to Approve Venue for 802 Plenary session Nov 2019	Rosdahl	3	02:08 PM
4.023	II	PCO Contract Award (7/15 Exec Session Output)	Rosdahl	3	02:11 PM
4.024	MI	Network RFP AdHoc Formation	Rosdahl	5	02:14 PM
4.03	MI*	APPROVE Motion: Approve minutes of Jul 15, 2014 Executive Session, Private, 2014_0715_Exec_Minutes_Priv_R0.pdf	D'Ambrosia	0	02:19 PM
4.04	DT	Effective Use of Tutorial Time	Rosdahl	5	02:19 PM
4.041	DT	Feedback of July 2014 Tutorials / BoF	Rosdahl / Thaler	5	02:24 PM
4.042	II	Report of Wireless SDN BoF Meeting https://mentor.ieee.org/802.16/dcn/14/16-14-0066-00	Marks	5	02:29 PM
4.05	MI	Announcement of Nov 2013 802 EC Workshop	Rosdahl	5	02:29 PM
4.06	MI*	Invited Guest Omission: Andy Berman. Motion: Approve waving of registree fee for Andy Berman	Thaler	0	02:34 PM
					02:34 PM
5.00		IEEE Standards Board and Sponsor Ballot Items			02:34 PM
5.01		IEEE 802.21			02:34 PM
5.011	ME	IEEE P802.21d (Multicast Group Management) to Sponsor Ballot	Das	3	02:34 PM
5.02		IEEE 802.22			02:37 PM
5.021	ME	IEEE P802.22.3 Spectrum Characterization Occupancy Sensing PAR to NesCom	Mody	3	02:37 PM
5.03		IEEE 802.1			02:40 PM
5.031	ME	IEEE P802.1ARce Secure Device Identity - Amendment 1: SHA-384 and P-384 Elliptic Curve PAR to NesCom	Parsons	3	02:40 PM

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5.032	ME	IEEE P802.1AEcg Media Access Control (MAC) Security PAR to NesCom	Parsons	3	02:43 PM
5.033	ME	IEEE P802.1AS Cor2 - Timing and Synchronization for Time-Sensitive Applications in Bridged Local - Corrigendum 2 Maintenance PAR to NesCom	Parsons	3	02:46 PM
5.034	ME	IEEE P802.1AB Station and Media Access Control Connectivity Discovery Maintenance PAR to NesCom	Parsons	3	02:49 PM
5.035	ME	IEEE P802.1AB/Cor2 - Station and Media Access Control Connectivity Discovery - Corrigendum 2, to Sponsor Ballot	Parsons	3	02:52 PM
5.036	ME	IEEE P802.1Xbx D1.6 Port-Based Network Access Control: Amendment— MAC Security Key Agreement protocol (MKA) extensions, to RevCom	Parsons	3	02:55 PM
5.037	ME	IEEE P802.1AXrev Link Aggregation, conditional to RevCom	Parsons	3	02:58 PM
5.038	ME	IEEE P802.1Qrev Bridges and Bridged Networks, conditional to RevCom	Parsons	3	03:01 PM
5.04		IEEE 802.3			03:04 PM
5.041	ME	IEEE P802.3bw, 1 Twisted Pair 100 Mb/s Ethernet PAR, to NesCom	Law	3	03:04 PM
5.042	ME	IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision Maintenance PAR to NesCom	Law	3	03:07 PM
5.05		IEEE 802.11			03:10 PM
5.051	ME	IEEE P802.11ah (Sub 1 GHz) – PAR extension to NesCom	Stephens	3	03:10 PM
5.052	ME	IEEE P802.11ai (Fast initial link setup) – PAR extension to NesCom	Stephens	3	03:13 PM
5.06		IEEE 802.15			03:16 PM
5.061	ME	IEEE P802.15.4s Amendment Spectrum Resource Measurement PAR, to NesCom	Heile	3	03:16 PM
5.07		IEEE 802.16			03:19 PM
5.071	ME	IEEE P802.16q (Multi-Tier Networks) to Sponsor Ballot (conditional)	Marks	3	03:19 PM
5.08	ME	IEEE 802.18	Lynch		03:22 PM
5.09	ME	IEEE 802.19	Shellhammer		03:22 PM
					03:22 PM
		Break		6	03:22 PM
					03:28 PM
6.00		Executive Committee Study Groups, Working Groups, TAGs			03:28 PM
6.01	MI	IEEE 802.21	Das		03:28 PM
6.02		IEEE 802.22			03:28 PM
6.021	MI	IEEE 802.22 Spectrum Occupancy Sensing Study Group (2nd Extension)	Mody	3	03:28 PM
6.03		IEEE 802.24			03:31 PM
6.031	MI	IEEE 802.24 Scope Change	Gilb	10	03:31 PM
6.032	MI	IEEE 802.24 Smart Grid Task Group Formation	Gilb	5	03:41 PM

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6.04		IEEE 802.1			03:46 PM
6.041	II	Local Address Space Usage Plan	Parsons	2	03:46 PM
6.05		IEEE 802.3			03:48 PM
6.051	MI*	IEEE 802.3 1 Twisted Pair 100Mb/s Ethernet Study Group (1st Extension)	Law	0	03:48 PM
6.052	MI*	IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (1st Extension)	Law	0	03:48 PM
6.053	MI	IEEE 802.3 25 Gb/s operation over a single lane Study Group Formation	Law	3	03:48 PM
6.06		IEEE 802.11			03:51 PM
6.061	MI	IEEE 802.11 Next Generation 60 GHz (NG60) Formation	Stephens	3	03:51 PM
6.07		IEEE 802.15			03:54 PM
6.071	MI	IEEE 802.15 Optical Camera Communications Study Group (3rd Extension)	Heile	3	03:54 PM
6.072	MI	IEEE 802.15 Spectrum Resource Measurement (3rd Extension)	Heile	3	03:57 PM
6.08		IEEE 802.16			04:00 PM
6.09	MI	IEEE 802.18	Lynch		04:00 PM
6.10	MI	IEEE 802.19	Shellhammer		04:00 PM
6.11	MI	IEEE 802 EC Study Group for a recommended practice on privacy	Zuniga	10	04:00 PM
					04:10 PM
7.00	ME	LMSC Liaisons and External Interface			04:10 PM
7.01	ME	IEEE 802.21	Das		04:10 PM
7.02		IEEE 802.22			04:10 PM
7.021	ME	Approval of the Liaison Document to ISO/JTC1 on Responses to the SC6 NB comments under the 60 days ballot of the IEEE Std. 802.22-2011:	Mody	3	04:10 PM
7.022	ME	Approval of the Liaison Document to ISO/JTC1 to allocate IEEE 802.22 maintenance responsibility for the ISO/IEC/IEEE 8802-22 family of standards	Mody	3	04:13 PM
7.03	ME	IEEE 802.24	Gilb		04:16 PM
7.04	ME	IEEE 802.1			04:16 PM
7.041	ME	IEEE Std 802.1Xbx to SC6 for ratification under PSDO, once published	Parsons	3	04:16 PM
7.042	ME	IEEE P802.1AXrev to SC6 for information under PSDO	Parsons	3	04:19 PM
7.043	ME	IEEE Std 802.1Qrev to SC6 for ratification under PSDO, once published	Parsons	3	04:22 PM
7.044	ME	IEEE Std 802 to SC6 for ratification under PSDO	Parsons	3	04:25 PM
7.045	II*	802.1 to ITU-T SG15 regarding LS114 on SDN	Parsons	0	04:28 PM
7.046	II*	802.1 to ITU-T JCA-SDN regarding SDN	Parsons	0	04:28 PM
7.047	II*	802.1 to ITU-T SG15 regarding LS116 on MDSP	Parsons	0	04:28 PM

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7.048	II*	802.1 to IETF regarding deterministic networking	Parsons	0	04:28 PM
7.05		IEEE 802.3	Law		04:28 PM
7.051	ME	Press Release: IEEE 802.3 25Gb/s Ethernet Study Group Formation	Law	5	04:28 PM
7.052	II*	Liaison letter to ITU-T SG15: Ethernet preamble and mapping into GFP-F http://iee802.org/secmail/pdfx4aYIOFUUd.pdf	Law	0	04:33 PM
7.053	II*	Liaison letter to ITU-T SG15: New work item on Generic Information http://iee802.org/secmail/pdf_bh1RG9iSt.pdf	Law	0	04:33 PM
7.054	ME	Submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6	Law	5	04:33 PM
7.06		IEEE 802.11			04:38 PM
7.061	ME	Liaison to ITU/IEC JTC1/SC6	Stephens	3	04:38 PM
7.062	ME	Motion to send 802.11ac and 802.11af through the PSDO process	Stephens	3	04:41 PM
7.07	ME	IEEE 802.15	Heile		04:44 PM
7.08	ME	IEEE 802.16	Marks		04:44 PM
7.09	ME	IEEE 802.18			04:44 PM
7.091	ME*	Liaison to ITU-R WP5D Regarding Views on WirelessMan-Advanced out of band emissions. https://mentor.ieee.org/802.18/dcn/14/18-14-0048-02	Lynch	0	04:44 PM
7.092	ME*	Liaison on OOB information for WirelessMAN Advanced to ITU-R Working Party 5D https://mentor.ieee.org/802.18/dcn/14/18-14-0046-02	Lynch	0	04:44 PM
7.10		IEEE 802.19			04:44 PM
7.101	ME	Press Release: IEEE 802.19, Publication of IEEE 802.19.1 Standard	Shellhammer	5	04:44 PM
7.11		IEEE 802			04:49 PM
7.111	II	Liaison Response from 1905.1	Nikolich	5	04:49 PM
7.112	ME	Liaison to 3GPP	Shellhammer	3	04:54 PM
					04:57 PM
8.00	II	Information Items			04:57 PM
8.01	II	IEEE 802 / SA Task Force Report	Nikolich	5	04:57 PM
8.011	II	Get IEEE802 Report	Nikolich	10	05:02 PM
8.012	DT	Must IEEE 802 maintain private drafts?	Parsons	5	05:12 PM
8.013	II	Indemnification Inquiry Status Update	Law	5	05:17 PM
8.02	II	IEEE SA Staff Reports		5	05:22 PM

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8.03		Standing Committee Reports			05:27 PM
8.031	H	JTC1 ad-hoc report	Myles	0	05:27 PM
8.032	II	Regulatory report	Lynch	3	05:27 PM
8.033	II	802 / ITU Standing Committee Report	Parsons	5	05:30 PM
8.034	MI	Formation: Wireless Chairs Standing Committee	Stephens	5	05:35 PM
8.035	MI	Confirmation: Wireless Chairs Standing Committee Chair	Stephens	5	05:40 PM
8.036	II	802 / IETF Standing Committee Report	Thaler	5	05:45 PM
8.04	II	Officers Reports		5	05:50 PM
8.041	II	1st Vice Chair Report	Thaler	1	05:55 PM
8.042	II	2nd Vice Chair Report	Gilb	1	05:56 PM
8.043	II	Treasurer's Report	Chaplin / Rosdahl	5	05:57 PM
8.044	II	Executive secretary report	Rosdahl	5	06:02 PM
8.045	II	Recording Secretary Report	D'Ambrosia	1	06:07 PM
8.046	II*	Appeals report -No items to report	D'Ambrosia	0	06:08 PM
8.05	II	Network Services report	Alfvin	3	06:08 PM
8.06	II*	Announcement of 802 EC Interim Telecon, Tuesday 7 Oct 2014 1-3pm ET, doc EC-14/044r02	Rosdahl	0	06:11 PM
8.07	II*	Call for Tutorials for Nov 2014 Plenary (Monday, Nov 3, 2014), doc EC-14/044r02	Rosdahl	0	06:11 PM
10.00		ADJOURN SEC MEETING	Nikolich		06:00 PM

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3.00	II	Announcements from the Chair	Nikolich	10	01:10 PM
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Chair noted to group that rules regarding taking pictures would be suspended for this agenda item. Dawn Slykhouse was recognized for 30 years of supporting IEEE 802, and was congratulated by all in the room. All were happy but refrained from a chorus line dance, as the rules regarding picture taking had been suspended.

3.001	II	802.16 WG Status Report	Marks	5	01:20 PM
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Marks presented the following slides.

IEEE 802.16-14-0048-01-Gdoc

802.16 Project Activity Schedules

17 July 2014

Contents

- P802.16q Schedule
- P802.16r Schedule
- P802.16.3 Schedule

P802.16q Schedule (1/2)

- July 18 – EC Conditional Approval to Sponsor Ballot
- July 30 – Updated draft D2 available
- Aug 1 – 15 day Letter Ballot Recirculation A begins
- Aug 26 – LB Comment Resolution Teleconference
- Sep 5 - 15 day Letter Ballot Recirculation B begins
- Sep 23 – LB Recirc B Comment Res Teleconf
- Sep 26 – 30 day Sponsor Ballot begins
- Nov 3 – IEEE 802.16 WG Session #94
- Nov 7 – EC Conditional Approval (RevCom)
- Nov 14 – Sponsor Ballot Recirculation A

P802.16q Schedule (2/2)

- 2014-11-03 to 2014-11-06: WG Session
- 2014-11-07 EC Conditional Approval (RevCom)
- 2014-11-14 to 2014-11-29: SB Recirc a
- tbd: Sponsor Ballot Resolution Telecon
- 2015-01-16: RevCom Submittal
- 2015-03 RevCom Approval
- 2015-03 IEEE-SA SB Approval
- 2015-04 IEEE-SA Publication

P802.16r Schedule (1/1)

- 2014-07-16: 802.16 WG Chair meets with 802.15 WG to present summary slides and discuss possible transfer of P802.16r to 802.15
- 2014-07-17: IEEE 802.16 Closing Plenary agrees on Call for Contributions regarding PAR, Five Criteria, and Architecture and Requirements
- 2014-08 to 2014-09: teleconferences; possible PAR revision request by 2014-10-04
- 2014-11-03: Session #94

P802.16.3 Schedule (1/4)

- 2014-07-14: IEEE 802.16 Opening Plenary agrees on summary slides
- 2014-07-16: 802.16 WG Chair meets with 802.15 WG to present summary slides and discuss possible transfer of P802.16.3 to 802.15

P802.16.3 Schedule (2/4)

- 2014-07: complete IEEE 802.16.3 Architecture and Requirements for Mobile Broadband Network Performance Measurements
- 2014-07: call for contributions toward P802.16.3 draft
- 2014-08, 2014-09, 2014-10: teleconferences
- [2014-09 opportunity to meet with 802.15?]
- 2014-11-03 to 2014-11-06: WG Session
- 2014-11, 2014-12, 2015-01, 2015-02: teleconferences
- 2015-03: WG Session

P802.16.3 Schedule (3/4)

- 2015-03: WG decision to open WG LB
- 2015-03 to 2015-04: WG LB
- 2015-05: comment resolution
- 2015-06 to 2015-07: WG LB Recirc a
- 2015-07: EC Conditional Approval (SB)
- 2015-07: WG LB Recirc b

P802.16.3 Schedule (4/4)

- 2015-08 to 2015-09: Sponsor Ballot
- 2015-09: comment resolution
- 2015-10 to 2015-11: Sponsor Ballot Recirc a
- 2015-11: EC Conditional Approval (RevCom)

Gilb provided statement of support based on his observations of the group.

IEEE 802 July 2014 Plenary

3.01	MI	WG Officer Confirmation - Roger Marks, 802.16 Chair	Nikolich	3	01:25 PM
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Marks gave verbal update. Elections redone at this session. Marks received 6 votes of 6 cast. Recording secretary confirmed receipt of Mark's paperwork

* Motion #2	Motion to confirm Marks as 802.16 chair
Moved	Gilb
Second	Das
Results	12-0-1
Motion	Passes
Reference	Agenda Item #3.01

3.02	MI	WG Officer Confirmation, Harry Bims, 802.16 Vice Chair	Nikolich	3	01:28 PM
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Marks gave verbal update. Bims received 6 of 6 votes cast. Recording secretary confirmed receipt of Bims' paperwork

* Motion #3	Motion to confirm Bim as 802.16 vicechair
Moved	Gilb
Second	Marks
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.02

3.03	MI	WG Officer Confirmation, Hyeong Ho Lee, 802.21 Vice Chair	Nikolich	3	01:31 PM
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Das gave verbal report of 802.21 elections. Das reported 7-0-0 for lee as vice-chair. Recording secretary confirmed receipt of Lee's paperwork

* Motion #4	Motion to confirm Lee as 802.21 vice-chair
Moved	Gilb
Second	Rosdahl
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.03

It was requested that the Chair instruct the new 802.21 vice-chair come to next EC meeting to introduce himself.

3.04	II	JTC1 ad-hoc report	Myles	5	01:34 PM
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Myles presented the following slides.

July 2014 doc.: IEEE 802.11-14/0971r3

IEEE 802 JTC1 SC closing report (July 2014)

Date: 2014-05-16

Authors:

Name	Company	email
Andrew Myles	Cisco	amyles@cisco.com

Submission Slide 1 Andrew Myles, Cisco

July 2014 doc.: IEEE 802.11-14/0971r3

Abstract

Closing report for IEEE 802 JTC1 SC for July 2014 in San Diego

Submission Slide 2 Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

IEEE 802 has pushed seven 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

Submission

Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

... and IEEE 802 has six standards in the pipeline for ratification under the PSDO process

IEEE 802 standard	60 day pre-ballot	5 month FDIS ballot	Comments resolved
802.11aa	Passed (Feb 2013)	Passed (28 Jan 2014)	FDIS comments will be liaised next week
802.11ad	Passed (Feb 2013)	Passed (28 Jan 2014)	
802.11ae	Passed (Feb 2013)	Passed (28 Jan 2014)	
802.1AEbw	Passed (Jan 2014)	-	FDIS ballot will start soon
802.1AEbn	Passed (Jan 2014)	-	FDIS ballot will start soon
802.22	Passed (May 2014)	-	Waiting for comment resolutions

Submission

Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

... with a large number of other standards ready to enter the PSDO pipeline soon

- **Documents at liaison stage**
 - 802.1AXrev draft
 - 802.1ACrev draft, once in SB
- **Documents about to enter the PSDO pipeline**
 - 802
 - 802.1Xbx, once published
 - 802.1Qrev, once published
 - 802.3.1, once published
 - 802.11ac, may be approved today
 - 802.11af, may be approved today
 - 802.22a, once 802.22 is ratified under PSDO (also need to allocate responsibility for maintenance of 802.22 to WG)

Submission

Slide 5

Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

The SC6 discussed other possible proposals in SC6 in preparation for London meeting

- **No news on TePA proposals, including WAPI**
- **No news on UHT/EUHT proposals**
- **Discussion in WG7 on “Virtual AP”**
 - Allows multiple SPs to share an AP
 - Will consider detailed response in Sept
- **Discussion in WG7 on “Optimization technology in WLAN”**
 - Defines a sniffer to server interface
 - Will consider detailed response in Sep
- **Empowerment of a HoD for London meeting**

Submission

Slide 6

Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

The SC will focus in Athens on preparing for the SC6 meeting in London

- **Prepare status updates for London**
 - 802, 802.1, 802.3, 802.11, 802.15, 802.22, ...
- **Deal with “Virtual AP”**
- **Deal with “Optimization technology in WLAN”**
- **Respond to any new documents on SC6 server**
- **Appoint IEEE 802 delegation**
- ...

Submission

Slide 7

Andrew Myles, Cisco

July 2014

doc.: IEEE 802.11-14/0971r3

The IEEE 802.11 WG will consider sending 802.11ac/af through PSDO

- **Motion**
 - *The IEEE 802.11 WG recommends to the IEEE 802 EC that IEEE 802.11ac-2013 and IEEE 802.11af-2013 be submitted to ISO/IEC JTC1/SC6 for ratification under the PSDO process*
 - Moved:
 - Seconded:
- **Notes**
 - Approved by IEEE 802 JTC1 SC
 - Will hopefully be considered by IEEE 802 EC today

Submission

Slide 8

Andrew Myles, Cisco

May 2014

doc.: IEEE 802.11-14/0971r3

The IEEE 802 EC will consider various motions related to JTC1

- **IEEE 802.1 WG will provide motions to**
 - Liaise 802.1AXrev draft to SC6
 - Forward 802 through PSDO
- **IEEE 802.11 WG will provide motions to**
 - Approve FDIS comment responses for 802.11aa/ad/ae
 - Forward 802.11ac through PSDO
 - Forward 802.11af through PSDO

Submission

Slide 9

Andrew Myles, Cisco

May 2014

doc.: IEEE 802.11-14/0971r3

The IEEE 802 EC will consider various motions related to JTC1

- **IEEE 802.3 WG will provide motions to**
 - Forward 802.3.1 through PSDO
- **IEEE 802.22 WG will provide motions to:**
 - Forward responses to SC6 on pre-ballot by SC6 on IEEE 802.22
 - Send liaison to SC6 asking that 802.22 WG have ongoing maintenance responsibility for 802-22 series

Submission

Slide 10

Andrew Myles, Cisco

IEEE 802 EC will consider HoD appointment process

- **Motion**

- *The IEEE 802 EC empowers the IEEE 802 Chair to appoint the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014*
- Moved
- Seconded

- **Notes:**

- Approved by IEEE 802 JTC1 SC by ~16/0/2
- Likely appointee is Bruce Kraemer
- Hoping to include a HoD-in-training in delegation

IEEE 802 July 2014 Plenary

3.041	MI	Appointment of head of delegation to SC6	Myles	3	01:39 PM
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Myles presented the following slide. Indicated that it may be Bruce Kraemer, but he may not be able to fulfill the role.

July 2014

doc.: IEEE 802.11-14/0971r3

IEEE 802 EC will consider HoD empowerment

- **Motion**

- *The IEEE 802 EC authorises the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014 to:*
 - *Appoint the IEEE 802 delegation*
 - *Approve any necessary submissions*
 - *Call any necessary preparation teleconferences*
- Moved
- Seconded

- **Notes:**

- Approved by IEEE 802 JTC1 SC by ~16/0/2
- This is similar to previous motions

Submission

Slide 12

Andrew Myles, Cisco

* Motion #5

The IEEE 802 EC empowers the IEEE 802 Chair be to appoint the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014

Moved	Marks
Second	Gilb
Results	13-0-0
Motion	passes

Reference	Agenda Item #3.041
-----------	--------------------

Chair asked Myles to provide a recommendation if Kraemer can not do this role.

Action Item – Myles provide recommendation regarding IEEE 802 HoD in case Kraemer cannot fulfill this role.

IEEE 802 July 2014 Plenary

3.042	MI	Empowerment of head of delegation to SC6	Myles	3	01:42 PM
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Myles presented the following slide

July 2014

doc.: IEEE 802.11-14/0971r3

IEEE 802 EC will consider HoD empowerment

- **Motion**

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 - *Appoint the IEEE 802 delegation*
 - *Approve any necessary submissions*
 - *Call any necessary preparation teleconferences*
- Moved
- Seconded

- **Notes:**

- Approved by IEEE 802 JTC1 SC by ~16/0/2
- This is similar to previous motions

Submission

Slide 12

Andrew Myles, Cisco

* Motion #6

The IEEE 802 EC authorises the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014 to:

- *Appoint the IEEE 802 delegation*
- *Approve any necessary submissions*
- *Call any necessary preparation teleconferences*

Moved Stephens

Second Rosdahl

Results 13-0-0

Motion passes

Reference Agenda Item #3.042

IEEE 802 July 2014 Plenary

3.05	MI	Changes to Operations Manual, WG P&P, and Chair's Guidelines	Gilb	10	01:45 PM
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Gilb jumped across the table "Dukes of Hazard" style to get the cord to the projector and presented the following slides.

July 2014

ec-14-0057-00-00EC

Proposed rule changes for July 2014

IEEE 802 LMSC EC

Slide 1

James Gilb (Tensorcom)

July 2014

ec-14-0057-00-00EC

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)

Proposed rule changes for July 2014

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>

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

OM proposed changes

4.1.4 Private letter ballot

- AudCom's response regarding private letter ballot is that it is not allowed.
- Therefore, delete subclause 4.1.4.

4.1.2 Clarify voting rules

- Comment received: “The OM voting rules should reference the P&P and not contradict them.”
- I found one overlap in the OM, 4.1.2 Voting Rules
- Delete from the OM, 4.1.2 Voting Rules the following: “The affirmative vote of a majority of all members of the Sponsor with voting rights is required for an electronic ballot to pass except when specified otherwise by the IEEE 802 LMSC P&P or this OM.”
- This is covered by the P&P in 7.1 Approval of an action.

4.1.2 Editorial issue

- In 4.1.2, change “to be reach in less than” to be “to be reached in less than”

5. WG electronic meetings

- Add the following text to Clause 5
 - All active IEEE 802 WGs shall meet face-to-face during each IEEE 802 Plenary session. All WG meetings shall only be face-to-face, electronic meetings are not allowed. Additionally, IEEE 802 TAGs are allowed to have electronic meetings to make decisions between meetings, but such meetings do not count for participation credit.
 - The WG Chair may designate specific individual experts who are allowed to participate in WG discussions via electronic means during a face-to-face meeting for the benefit of the group. These individuals are not considered to be attending the meeting and so they are not required to pay meeting fees and they do not get participation credit. The participation of these individuals should be limited to specific technical topics. Such participation shall be documented in the minutes of the WG meeting.

5.2.3 Missing word.

- Last sentence of 5.2.3, change as shown:
- “In all other cases where fees were collected for interim sessions, a WG shall prepare and submit all financial reports ...”

10.3 Plenary PAR review

- Our current text has a 5 pm deadline for submitting comments and responses
- However, our WGs often have meetings that last until 6 pm, which is now our traditional ending time for the day (other than evening sessions).
- Propose changing deadline to be 6:30 pm.
- Changes to 10.3:
 - “... by e-mail not later than ~~56:300~~ p.m. on Tuesday of the plenary session.”
 - “... not later than ~~56:300~~ p.m. on Wednesday of the plenary session.”

OM updates

- This motion is brought under the process described in the subclause “Revision of the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P” of the IEEE 802 LMSC OM.
- Motion: The EC approves the changes described in document ec-14-0035-02, slides 5-10, to the IEEE 802 LMSC Working Group Policies & Procedures
 - Moved: Gilb
 - Second: D'Ambrosia

IEEE 802 LMSC EC

Slide 3

James Gilb (Tensorcom)

* Motion #7	The EC approves the changes described in document ec-14-0035-02, slides 5-10, to the IEEE 802 LMSC Working Group Policies & Procedures
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

Gilb took a big gulp of water before proceeding. A cool breeze blew through the room, and an eerie silence set in.

WG P&P proposed changes

7.2.3 Loss of voting rights

- Change the last sentence as shown:
 - If [membership is](#) lost per this subclause, membership is re-established as if the person were a new candidate member, [i.e., all previous participation credit is lost](#).
- Add the following sentence after the current paragraph
 - Persons who do not retain membership, as described in 7.2.2 Retention, lose membership but this does not cause the loss of previous participation credit.

WG P&P updates

- This motion is brought under the process described in the subclause “Revision of the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P” of the IEEE 802 LMSC OM.
 - Motion: The EC approves the changes described in document ec-14-0035-02, slide 12, to the IEEE 802 LMSC Working Group Policies & Procedures
 - Moved: Gilb
-
- IEEE 802 LMSC EC Slide 4. James Gilb (Tensorcom)
– Second: D'Ambrosia

* Motion #8	• The EC approves the changes described in document ec-14-0035-02, slide 12, to the IEEE 802 LMSC Working Group Policies & Procedures
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

Changes to Chair's Guidelines

Letter of affiliation

- The requirement for a letter of affiliation is not written down.
- Add new subclause to Clause 4 EC policy decisions
 - 4.5 Letter of affiliation
 - All members of the sponsor that are confirmed or elected, prior to confirmation or election, shall provide a signed letter that states their affiliation. This requirement may also be met by having an explicit statement of affiliation in the endorsement letter described in the "Voting membership" subclause of the IEEE LMSC Policies and Procedures. A statement of affiliation should be in the form of "For the purposes of IEEE 802, <potential Sponsor member's name>'s affiliation is <affiliation>."

Review of the CSD by the WG

- Add the following as a new subclause to 4.
 - 4.6 WG review of the CSD
 - The requirement for the review of the CSD by the WG may be met by a motion that is passed by the WG that approves the CSD.

CG updates

- This motion is brought under the normal process of approving actions of the Sponsor.
- Motion: The EC approves the changes described in document ec-14-0035-02, slides 14-15, to the IEEE 802 LMSC Chair's Guidelines
 - Moved: Gilb
 - Second: D'Ambrosia
 - Vote:

IEEE 802 July 2014 Plenary

* Motion #9	The EC approves the changes described in document ec-14-0035-02, slides 14-15, to the IEEE 802 LMSC Chair's Guidelines
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

4.00		LMSC Internal business			01:55 PM
4.01	DT	802 Overview and Architecture report	Gilb	9	01:55 PM
4.02	MI	Future Venue Meeting Report	Rosdahl	10	01:55 PM

Rosdahl presented the following slides

doc.: IEEE EC-14/0044r2

4.02 Future Venue Meeting Report

- **Future Venues File posted:**
 - <https://mentor.ieee.org/802-ec/dcn/12/ec-12-0040-07-00EC-802-plenary-future-venue-contract-status.xlsx>
- **Future Venues Mtg Report**
 - Meeting on Wednesday 8-10am – Banker Hill
 - Reviewed EC-12/40r7
 - Bob H. Reviewed Asia Site Visits
 - Site visit to 7 sites in Asia (2 in Bangkok, 2 in K-L, and 3 in Singapore)
 - Update on Room Blocks for San Antonio, Atlanta, Waikoloa

Potential Asian Venues for 2018 (and March 2016 back-up)

- **Looked at Venues in Bangkok, K-L, Singapore and Shanghai**
 - Except Shanghai, locations offer financial incentives
- **Venues having the best potential financially:**
 - JW Marriott/Ritz Carlton- Kuala Lumpur
 - Suntec Convention Center- Singapore
 - Singex Convention Center- Singapore

IEEE 802 July 2014 Plenary

4.021	MI	Motion to Approve Venue for 802 Plenary session Nov 2016	Rosdahl	3	02:05 PM
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Rosdahl presented the following slide

November 2013

doc.: IEEE EC-14/0044r4

Motion to Approve Venue for 802 Plenary session Nov 2016

**Approve Grand Hyatt San Antonio, San Antonio, TX as
site for the IEEE 802 Plenary Session Nov 6-11, 2016.**

Moved: Jon Rosdahl 2nd: Bob Heile

Result: 13-0-0 motion passes

EX Sec Report

Slide 14

Jon Rosdahl, CSR

* Motion #10	Approve Grand Hyatt San Antonio, San Antonio, TX as site for the IEEE 802 Plenary Session Nov 6-11, 2016.
Moved	Rosdahl
Second	Heile
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.021

IEEE 802 July 2014 Plenary

4.022	MI	Motion to Approve Venue for 802 Plenary session Nov 2019	Rosdahl	3	02:08 PM
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Rosdahl presented following slide

November 2013

doc.: IEEE EC-14/0044r2

Motion to Approve Venue for 802 Plenary session Nov 2019

Whereas EC approved the 2017 July Plenary to be held in Berlin, Germany, we need to move a contract from Hilton Waikoloa Village that was on July 2017.

Approve Hilton Waikoloa Village as site for the IEEE 802 Plenary Session Nov 10-15, 2019, and authorize the IEEE 802 Exec Secretary to complete the contract preparation and IEEE contract execution.

Moved: Jon Rosdahl 2nd: Bob Heile

Result:

EX Sec Report

Slide 15

Jon Rosdahl, CSR

* Motion #11	Approve Hilton Waikoloa Village as site for the IEEE 802 Plenary Session Nov 10-15, 2019, and authorize the IEEE 802 Exec Secretary to complete the contract preparation and IEEE contract execution.
Moved	Rosdahl
Second	Heile
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.022

IEEE 802 July 2014 Plenary

4.023	II	PCO Contract Award (7/15 Exec Session Output)	Rosdahl	3	02:11 PM
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Rosdahl presented the following slide.

July 2014

doc.: IEEE EC-14/0044r2

4.023 - II - PCO Contract Award (7/15 Exec Session Output)

Executive Session: Review of Bids and the recommendation from IEEE EC RFP AdHoc Committee and Executive Session to make a decision on PCO selection: Tuesday Morning 7-8am in Banker Hill

On Tue, Jul 15, 2014 at 10:56 AM, Jon Rosdahl <rosdahl@ieee.org> wrote:

Greetings and Salutations,

The IEEE 802 Executive Committee has decided to award the Professional Conference Organizer (PCO) contract (Aug 1, 2014 through Dec 31, 2018) to Face-to-Face Events.

**Kind Regards,
Jon
IEEE 802 Executive Secretary**

EX Sec Report

Slide 16

Jon Rosdahl, CSR

Output of July 15 EC Executive Session is presented in presented slide above.

4.024	MI	Network RFP AdHoc Formation	Rosdahl	5	02:14 PM
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Rosdahl presented following slide

July 2014

doc.: IEEE EC-14/0044r2

4.024 - 2015 Network RFP Plan

**Request for Proposal (RFP) to begin in November
AdHoc RFP Committee to be formed**

Schedule of Events:

- 18 July 2014 Form FRP Committee
- 28 Nov 2014 RFP distributed to suppliers
- 12 Dec 2014 Supplier intention to bid or not bid due
- 30 Jan 2015 RFP due to IEEE Executive Secretary
- 13 March 2015 Supplier notification of contract award
- 31 March 2015 Final Contract executed

EX Sec Report

Slide 17

Jon Rosdahl, CSR

July 2014

doc.: IEEE EC-14/0044r2

4.024 - 2015 Network RFP AdHoc

EC Members that are members of the AdHoc

**Motion to approve the formation of the Network RFP
AdHoc with the following EC Members:**

1. Jon Rosdahl (AdHoc Chair)
- 2.

Moved: Jon Rosdahl

2nd:

Result:

EX Sec Report

Slide 18

Jon Rosdahl, CSR

IEEE 802 July 2014 Plenary

* Motion #12	Motion to approve the formation of the Network RFP AdHoc with the following EC Members: 1. Jon Rosdahl (AdHoc Chair) 2. Heile 3. Gilb 4. Nikolich 5. Chaplin
Moved	Rosdahl
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.024

Time: 1:58pm

4.04	DT	Effective Use of Tutorial Time	Rosdahl	5	02:19 PM
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Discussion about use of time in relation to tutorials. Should the time period exclusivity of no WG meetings be re-examined.

Action Item: Rosdahl to lead further discussion on reflector about use of time in relation to tutorials.

Action Item: Nikolich schedule EC meeting for next plenary venue space allocation planning 7 to 8 am.

4.041	DT	Feedback of July 2014 Tutorials / BoF	Rosdahl / Thaler	5	02:24 PM
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Rosdahl presented following slide

July 2014 doc.: IEEE EC-14/0044r2

4.041 - DT - Feedback of July 2014 Tutorials / BoF

Feedback from 802.11 on Tutorial:

Number Attending the BOF: 34

Suggestion to add energy to the presentation (small breakouts, and then review what the groups identified)

Number Normally Attends Social :41

Not attending the Social:29

OK if Tutorial/WG Mtgs in parallel – 12 Y 58 N

OK if BOF/WG Mtg parallel – 14 Y 38 N

Prefer BOF vs Social – 5 BOF 43 Social

Tutorial BOF like on Monday – 57 Y 1 N

EX Sec Report

Slide 20

Jon Rosdahl, CSR

4.042	II	Report of Wireless SDN BoF Meeting https://mentor.ieee.org/802.16/dcn/14/16-14-0066-00	Marks	5	02:29 PM
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Marks gave verbal update of BoF Meeting.

Time 2:23pm

4.05	MI	Announcement of Nov 2013 802 EC Workshop	Rosdahl	5	02:29 PM
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Rosdahl presented following slides

July 2014

doc.: IEEE EC-14/0044r2

4.05 MI Announcement of Nov 2014 802 EC Workshop

EC Workshop: Nov 8, 2014

Length: Dinner on Friday Night, work Saturday 8am-5pm

Remember to register for hotel through the end of workshop, then adjustment for workshop nights will be made for Friday and Saturday night stays as required.

Workshop Leader: Apurva/Subir

Action Tracker: Apurva/Subir

Agenda to be announced on Interim Call

Expectation is no treasury impact for workshop

EX Sec Report

Slide 21

Jon Rosdahl, CSR

July 2014

doc.: IEEE EC-14/0044r2

Workshop Leadership History

2009 - 1st Workshop: Geoff and James

2011 - 2nd Workshop: Bruce and Jon

2012 - 3rd Workshop: Roger and Steve

2013 - 4th Workshop: Adrian and Adrian

2014 - 5th Workshop: _____ & _____

2014 Candidates - Subir, Apurva,

Future Candidates:

Mike, Bob, Glenn, David,

Pat, John D., Clint

EX Sec Report

Slide 22

Jon Rosdahl, CSR

2014 EC Workshop Draft Agenda

Tentatively:

Geoff: definition of market relevance in context of Broad Market Potential

Geoff/James: address confidential communications policy/process

EC members: supply additional suggestions to Chair and Rec Sec

EC Members: BOF and Tutorial definition and effectiveness

EC Business Roundtable – James/Subir

* Motion #13	Move to approve the 2014 Workshop on Nov 8 th , 2014 to be held in San Antonio, TX. Apurva and Sabir to be the Workshop leaders.
Moved	D'Ambrosia
Second	Gilb
Results	11-1-0
Motion	carries
Reference	Agenda Item #4.05

4.06	MI*	Invited Guest Omission: Andy Berman. Motion: Approve waving of registree fee for Andy Berman	Thaler	0	02:34 PM
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Approved with approval of agenda

Time 2:30

5.00		IEEE Standards Board and Sponsor Ballot Items			02:34 PM
5.01		IEEE 802.21			02:34 PM
5.011	ME	IEEE P802.21d (Multicast Group Management) to Sponsor Ballot	Das	3	02:34 PM

Das presented the following slides

July 2011

doc.: 21-14-0123-00-0000

Topic

Request for EC Approval to forward the IEEE P802.21d for Sponsor Ballot

Submission

Slide 2

Subir Das, Chair IEEE 802.21

doc.: 21-14-0123-00-0000

IEEE P802.21d WG Ballot Result- Final Round

- **Date the last ballot closed: July 5th, 2014**
- **Vote tally including Approve, Disapprove and Abstain votes:**
 - Ballot Pool = 21, Ballot Return= 19, Return ratio= **90.00%**
 - Number of Approves = 17
 - Number of Disapproves = 0
 - Number of Abstains = 02
 - Approval Ratio = **100%**
- **Comments that support the remaining disapprove votes and Working Group responses – N/A**

Submission

Subir Das, Chair, IEEE 802.21

IEEE P802.21d Draft History and Statistics

IEEE WG Letter/Ballot	Launch Date	# of Comments Received	Comment Resolution Status	Return Ratio	Approval Ratio	Draft Status
WGLB #7 (P802.21d Draft v1.0)	May 31, 2013	255(113T/TR, 142E/ER)	Comments were addressed and Resolved	71%	<75%	P802.21d Draft v2.0 Prepared
WGLB #7a (P802.21d Draft v2.0)	October 01, 2013	179(108T/TR, 71E/ER)	Comments were addressed and Resolved	76%	<75%	P802.21d Draft v3.0 Prepared
WGLB #7b (P802.21d Draft v3.0)	February 14, 2014	100(69T/TR, 31E/ER)	Comments were addressed and Resolved	89%	<75%	P802.21d Draft v4.0 Prepared
WGLB#7c (P802.21d Draft 4.0)	April 25, 2014	127(68T/TR, 59E/ER)	Comments were addressed and Resolved	90%	83.33%	P802.21d Draft v5.0
WGLB#7d (P802.21d Draft 5.0)	June 20, 2014	06(00T/TR, 6E/ER)	No "must be satisfied" Comments	90%	100%	P802.21d Draft v5.0

MEC Review available at: <https://mentor.ieee.org/802.21/dcn/14/21-14-0130-00-0000-mec-review-comments.docx>

Links to WG Letter Ballot Results Summary

- **WG LB #7:**
 - http://www.ieee802.org/21/ballot_7.html
- **WG LB #7a:**
 - http://www.ieee802.org/21/ballot_7.html
- **WG LB #7b:**
 - http://www.ieee802.org/21/ballot_7.html
- **WG LB #7c:**
 - http://www.ieee802.org/21/ballot_7.html
- **WG LB #7d:**
 - http://www.ieee802.org/21/ballot_7.html

Links to WG Letter Ballot Comments & Resolutions

- **WG LB #7:**
 - <https://mentor.ieee.org/802.21/dcn/13/21-13-0113-17-MuGM-lb7-commentary-file.xlsx>
- **WG LB #7a:**
 - <https://mentor.ieee.org/802.21/dcn/13/21-13-0113-17-MuGM-lb7-commentary-file.xlsx>
- **WG LB #7b:**
 - <https://mentor.ieee.org/802.21/dcn/14/21-14-0033-07-MuGM-lb7b-commentary-file.xlsx>
- **WG LB #7c:**
 - <https://mentor.ieee.org/802.21/dcn/14/21-14-0083-09-MuGM-lb7c-commentary-file.xlsx>
- **WG LB #7d:**
 - <https://mentor.ieee.org/802.21/dcn/14/21-14-0110-00-MuGM-lb7d-commentary-file.xlsx>

Tentative Time-line for P802.21d Sponsor Ballot

- **The Sponsor Ballot will start on**
- **August 17, 2014 – Sponsor Ballot #1 Starts**
- **September 15, 2014 – Sponsor Ballot #1 Ends**
- **September 16, 2014 onwards – Address and Resolve Comments**
- **October 2014 – Sponsor Ballot recirculation**
- **November 2014 – Sponsor Ballot recirculation**

P802.21 WG Motion

Move to authorize the P802.21 WG Chair to make a motion to the IEEE 802 Executive Committee for approval to forward the IEEE 802.21d Draft for Sponsor Ballot and approve the CSD (<https://mentor.ieee.org/802.21/dcn/12/21-12-0017-01-0000-group-management-5c.pdf>)

**Move: Yoshihiro Ohba
Second: Lily Chen**

**For: 08
Against: 00
Abstain: 00**

Motion Passes

Submission Slide 8 Subir Das, Chair, IEEE 802.21

July 2011 doc.: 21-14-0123-00-0000

Motion

Motion: To forward IEEE P802.21d for Sponsor Ballot

**Move: Subir Das
Second: James P.K. Glib**

**For:
Against:
Abstain:**

Motion

Submission Slide 9 Subir Das, Chair, IEEE 802.21

IEEE 802 July 2014 Plenary

* Motion #14	Approve the CSD (https://mentor.ieee.org/802.21/dcn/12/21-12-0017-01-0000-group-management-5c.pdf) and forward the IEEE P802.21d for Sponsor Ballot
Moved	Das
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.011

5.02		IEEE 802.22			02:37 PM
5.021	ME	IEEE P802.22.3 Spectrum Characterization Occupancy Sensing PAR to NesCom	Mody	3	02:37 PM

Mody presented the following slides

[doc.: IEEE 22-14/0103r1](#)

Motion to Approve P802.22.3 PAR on Spectrum Characterization and Occupancy Sensing (SCOS)

Comments received on P802.22.3 BEFORE Tuesday 5 pm

Comments from the 802.11 Working Group

2.1 Title – Consider that “SOS” is a internationally recognized acronym for emergency requests. Consider changing or eliminating the acronym...

Response: Accept: Eliminated the acronym

5.2 The Scope should not talk about the “project”, but rather describe the document that will be created. Please remove project specific definitions and instead describe what the standard will be defining.

Response: Accept, the word Project has been changed to ‘Standard’

5.2 “initially” defines? The Standard will have a set definition that as far as this revision is concerned is the only one that will exist. Do not describe or promise future enhancements.

Response: Accept. The word ‘initially’ has been removed

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.11 Working Group

8.1 is for extra explanation for identified clauses. The clause id is not included.

Generally a history is not included in 8.1

Response: Accept. Some of the contents from Section 8.1 has been moved back to Section 5.5 Need for the Standard and the new Section 8.1 only contains a reference

CSD: 1.2.2 – Cite standards correctly.

Response: Accept

CSD: Seems the History is repeated for several responses.

Response: Accept. Redundant information has been removed

CSD: Seems overly verbose

Response: Reduced the verbosity by eliminating repetitions

Submission

Slide 9

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.19 Working Group

- Your title is too long. Please shorten the title to something more concise

Response: Accept. The new title has been considerably shortened to ‘Standard for Spectrum Occupancy Sensing’

- Since the scope of the project will become the scope of the actual standard, you should delete comments about the “SOS Project” since when the standard is published, there will no longer be an SOS Project, just an SOS standard.

Response: Accept, the word Project has been changed to ‘Standard’

- The standard should not specify “measurement devices” it should specify “measurement parameters and device behaviors”

Response: Accept.

Submission

Slide 10

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.19 Working Group

- The phrase “means that enable coalescing the results from multiple such devices” is quite wordy and does not seem to convey a clear message. Is this intended to say “the standard includes protocols for exchanging measurement information?”

Response: Accept in Principal: Comment has been accepted with a few modifications - The Spectrum Occupancy and Characterization Sensing (SOCS) Standard creates a system specifying measurement parameters and device behaviors. It includes protocols for reporting measurement information that enable coalescing the results from multiple such devices.

- Since when the standard is published the project scope will be the standard scope, you should delete the word “initially” from the scope, so that the scope specifies what is in the standard. In an amendment this could be expanded.

Response: Accept. The word ‘initially’ has been removed

Submission

Slide 11

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.19 Working Group

- The sentence “This standard may specify interfaces and primitives to provide value added sensing information to various spectrum sharing database services” seems to describe some commercial benefits that might fit better into the Need section rather than the Scope section of the PAR.

Response: Accept in Principal – We removed ‘may’ but kept this in the Scope section

- In the Need section of the PAR change “low cost sensors” to “low-cost spectrum occupancy sensors”

Response: Accept in Principal – But reconciled this with 802.18 TAG comments

- The Explanatory Notes Section is used to provide additional information about specific sections in the PAR above. Instead in this PAR it seems to provide a lot of other information but does not explain a specific section above.

Response: Accept. Some of the contents from Section 8.1 has been moved back to Section 5.5 Need for the Standard and the new Section 8.1 only contains a reference

Submission

Slide 12

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.18 Working Group

For the 802.22.3 PAR:

For the PAR: We suggest to delete the phrase “creation of low cost sensors for”. in the following line. Low cost would be vendor sensitive.

From: “5.5 Need for the Project: This project will enable creation of low cost sensors for improved spectrum utilization and other shared spectrum applications.”

To: “5.5 Need for the Project: This project will enable improved spectrum utilization and other shared spectrum applications.”

Response: Accept in Principal – Changed to This project will enable improved spectrum utilization and support for other shared spectrum applications. This will benefit the primary users as well as the opportunistic users of the spectrum.

Submission

Slide 13

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.18 Working Group

For the CSD we have a couple of suggestions:

In 1.2.3 a)

b. IEEE P1900.6a, should not have the ‘P’, should say “ b. IEEE 1900.6a...

Also further down in paragraph 3, the same.

“... emerging P1900.6a Standard.”

should read: “... emerging 1900.6a Standard.”

Response: Accept in Principal. Reference changed to the published IEEE Std. 1900.6a-2014

Submission

Slide 14

July 2014

doc.: IEEE 22-14/0103r1

Comments from the 802.18 Working Group

In 1.2.4 a) we suggest the term “Companies” be changed to “Organizations” when referring to NICT, ETRI, etc.

Response: Accept.

Also in 1.2.4.a) the paragraph starting with:

“Systems simiar to the proposed SOS has been...”

should read: “Systems similar to the proposed SOS have been...”

Response: Accept.

In 1.2.5 a), the first line should remove ‘low cost’ to be consistent with comment above.

From: “This standard aims at creating economies of scale through uniform and consistent operation of low cost spectrum sensors.”

To: “This standard aims at creating economies of scale through uniform and consistent operation of spectrum sensors.”

Response: Accept

Submission

Slide 15

July 2014

doc.: IEEE 22-14/0103r1

Comments from David Law

802.22.3: This PAR has a very long 8.1 that does not point to any PAR item (as indicated in the parenthetical instruction). I guess it could point to 5.5 Need.

Response: Accept. Some of the contents from Section 8.1 has been moved back to Section 5.5 Need for the Standard and the new Section 8.1 only contains a reference

Submission

Slide 16

**Comments received on P802.22.3
AFTER Wednesday 5 pm**

Comments from 802.11 WG

Comment from the 802.11 Working Group

2.1 Suggest title be “Spectrum Characterization and Occupancy Sensing (SCOS)” then update throughout the the PAR.

Response: 802.22 WG accepted that suggestion during the WG closing plenary. The 802.22 WG will request PAR and CSD with that change in the Name from ‘Spectrum Occupancy Sensing’ to ‘Spectrum Characterization and Occupancy Sensing’ to be submitted to the IEEE SA NESCOM.

doc.: IEEE 22-14/0103r1

802.22 WG Motions to Approve the P802.22.3 PAR and CSD, Wednesday, July 16, 2014

Move to approve the contents of the document: 22-14-0075Rev4 <https://mentor.ieee.org/802.22/dcn/14/22-14-0075-04-0003-spectrum-occupancy-sensing-par-form.docx> as the contents of the P802.22.3 Spectrum Occupancy Sensing PAR, and the contents of the document: 22-14-0061Rev6 <https://mentor.ieee.org/802.22/dcn/14/22-14-0061-06-0003-802-22-spectrum-occupancy-sensing-criteria-for-standards-development.docx> as the contents of the P802.22.3 Criteria for Standard Development (CSD), to be forwarded to the IEEE 802 EC. To allow the Chair to make a motion during the Closing EC Meeting seeking approval to submit the PAR form to IEEE SA NESCOM. To allow the Chair to make the necessary changes to the PAR form based on the comments from IEEE 802 EC or the IEEE SA NESCOM members and submit the revised PAR to the NESCOM.

Move: Chang-woo Pyo

Second: Jerry Kalke

For: 8

Against: 0

Abstain: 0

Motion Passes.

Submission

Slide 19

Apurva N. Mody, BAE Systems

doc.: IEEE 22-14/0103r1

802.22 WG Motions to Approve the P802.22.3 PAR and CSD, Thursday, July 17th, 2014

The Working Group accepts the suggestion from the 802.11 WG to change the name from 'Spectrum Occupancy Sensing' to 'Spectrum Characterization and Occupancy Sensing (SCOS)'. The 802.22 WG further approves the updated PAR and CSD documents with this editorial change as can be found in documents 22-14-0075Rev5 and 22-14-0061Rev7, (<https://mentor.ieee.org/802.22/dcn/14/22-14-0075-05-0003-spectrum-characterization-and-occupancy-sensing-par-form.docx>), (<https://mentor.ieee.org/802.22/dcn/14/22-14-0061-07-0003-802-22-spectrum-characterization-and-occupancy-sensing-csd.docx>). The 802.22 WG requests the Chair to make a motion during the Closing EC Meeting seeking approval to submit the PAR form to IEEE SA NESCOM. To allow the Chair to make the necessary changes to the PAR form based on any other comments from IEEE 802 EC or the IEEE SA NESCOM members and submit the revised PAR to the NESCOM.

Move: Chang-woo Pyo

Second: Jerry Kalke

For: 7

Against: 0

Abstain: 0

Motion Passes.

Submission

Slide 20

Apurva N. Mody, BAE Systems

doc.: IEEE 22-14/0103r1

**EC Motion to Submit the P802.22.3 PAR to IEEE
SA NESCOM**

EC Approves submission of the P802.22.3 PAR as contained in Document [22-14-0075 Rev4](#) with editorial change in the name from 'Spectrum Occupancy Sensing' to 'Spectrum Characterization and Occupancy Sensing' as shown in Document [22-14-0075 Rev5](#)

Move: Apurva N. Mody

Second: Steve Shellhammer

For: 12

Against: 0

Abstain: 0

Motion Passes

Submission

Slide 21

Apurva N. Mody, BAE Systems

* Motion #15	EC Approves submission of the P802.22.3 PAR as contained in Document 22-14-0075 Rev4 with editorial change in the name from 'Spectrum Occupancy Sensing' to 'Spectrum Characterization and Occupancy Sensing' as shown in Document 22-14-0075 Rev5
Moved	Mody
Second	Shellhammer
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.021

IEEE 802 July 2014 Plenary

5.03		IEEE 802.1			02:40 PM
5.031	ME	IEEE P802.1ARce Secure Device Identity - Amendment 1: SHA-384 and P-384 Elliptic Curve PAR to NesCom	Parsons	3	02:40 PM

Parsons presented the following slides

Motion

- 802.1 confirms the CSD for P802.1ARce
- <http://www.ieee802.org/1/files/public/docs2014/ce-draft-arce-csd-0514-v2.pdf>

- Proposed: Seaman
- Second: Gray
- For 34 Against 0 Abstain 2

MOTION

- 802.1 requests EC approval to forward the proposed [PAR](#) for P802.1ARce – Secure Device Identity – Amendment 1: SHA-384 and P-384 Elliptic Curve to NesCom.
- Proposed: Seaman Second: Randall
- For 36 Against 0 Abstain 2

- EC proposed: Parsons Second: Thaler
- For Against Abstain

IEEE 802 July 2014 Plenary

* Motion #16	802.1 requests EC approval to forward the proposed PAR for P802.1ARce – Secure Device Identity – Amendment 1: SHA-384 and P-384 Elliptic Curve to NesCom.
Moved	Parsons
Second	Thaler
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.031

Time 2:41

5.032	ME	IEEE P802.1AEcg Media Access Control (MAC) Security PAR to NesCom	Parsons	3	02:43 PM
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Parsons showed the following slides

Motion

- 802.1 confirms the CSD for P802.1AEcg
<http://www.ieee802.org/1/files/public/docs2014/cg-draft-aecg-csd-0714-v3.pdf>
- Proposed: Seaman
- Second: Gray
- For 35 Against 0 Abstain 1

MOTION

- 802.1 requests EC approval to forward the proposed [PAR](#) for P802.1AEcg – MAC Security – Amendment: Ethernet Data Encryption devices to NesCom.
- Proposed: Seaman Second: Randall
- For_34___Against_0__Abstain_3___

- EC proposed: Parsons Second: Thaler
- For____Against__Abstain_____

AEcg PAR – supporting info

- PAR pre-circulated to EC as per P&P
 - Also pre-submitted to NesCom for August
- Comments from 802.11 & 802.15 were received and [answered](#)
- Updated PAR was posted
 - In 802.1 docs2014 and myProject

IEEE 802 July 2014 Plenary

* Motion #17	802.1 requests EC approval to forward the proposed PAR for P802.1AEcg – MAC Security – Amendment: Ethernet Data Encryption devices to NesCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.032

* Motion #18	The EC confirms the CSD for P802.1AEcg http://www.ieee802.org/1/files/public/docs2014/cg-draft-aecg-csd-0714-v3.pdf
Moved	Parsons
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.032

It was realized that the CSD was not confirmed for P802.3ARce. There were no objections to hearing the motion at this time.

* Motion #19	The EC confirms the CSD for P802.1ARce <input type="checkbox"/> http://www.ieee802.org/1/files/public/docs2014/ce-draft-arce-csd-0514-v2.pdf
Moved	Parsons
Second	Thaler
Results	12-0-1
Motion	Passes
Reference	Agenda Item #5.031

5.033	ME	IEEE P802.1AS Cor2 - Timing and Synchronization for Time-Sensitive Applications in Bridged Local - Corrigendum 2 Maintenance PAR to NesCom	Parsons	3	02:46 PM
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Parsons showed the following slide

MOTION

- 802.1 requests EC approval to forward 802.1AS-Cor2 PAR to NesCom.
- Proposed: Messenger Second: Gray
- For_30__Against_0__Abstain_0__
- EC proposed: Parsons Second:
- For____Against____Abstain_____

Note there is no CSD as this is a corrigendum

AS/Cor2 PAR – supporting info

- This is a maintenance PAR
- PAR circulated to EC as per P&P

IEEE 802 July 2014 Plenary

* Motion #20	802.1 requests EC approval to forward 802.1AS-Cor2 PAR to NesCom.
Moved	Parsons
Second	Thaler
Results	12-0-1
Motion	Passes
Reference	Agenda Item #5.033

5.034	ME	IEEE P802.1AB Station and Media Access Control Connectivity Discovery Maintenance PAR to NesCom	Parsons	3	02:49 PM
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Parsons presented following slides

MOTION

- 802.1 requests EC approval to forward 802.1AB-Rev PAR to NesCom.

- Proposed: Messenger Second: Gray
- For_28___Against_0__Abstain__0__

- EC proposed: Parsons Second:
- For___Against___Abstain___

Note there is no CSD as this is only a rollup of existing corrigenda

ABrev PAR – supporting info

- This is a maintenance PAR
 - Rollup of corrigenda only
- PAR circulated to EC as per P&P

* Motion #21	802.1 requests EC approval to forward 802.1AB-Rev PAR to NesCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.034

5.035	ME	IEEE P802.1AB/Cor2 - Station and Media Access Control Connectivity Discovery - Corrigendum 2, to Sponsor Ballot	Parsons	3	02:52 PM
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Parsons presented the following slides

MOTION

- 802.1 requests EC approval to forward 802.1AB-Cor2 D0.0 to Sponsor Ballot.
- Proposed: Jeffree Second: Gray
- For 25 ___ Against 0 ___ Abstain 0 ___
- EC proposed: Parsons Second:
- For ___ Against ___ Abstain ___

Note there is no CSD as this is a corrigendum

* Motion #22	802.1 requests EC approval to forward 802.1AB-Cor2 D0.0 to Sponsor Ballot.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.035

Time 2:53pm

5.036	ME	IEEE P802.1Xbx D1.6 Port-Based Network Access Control: Amendment— MAC Security Key Agreement protocol (MKA) extensions, to RevCom	Parsons	3	02:55 PM
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Parsons presented the following slides

MOTION

- 802.1 requests EC approval to submit P802.1Xbx [D1.6](#) to RevCom for approval as an IEEE Standard.
- Proposed: Seaman Second: Randall
- For_29__Against_0_Abstain_3__

- EC proposed: Parsons Second: Thaler
- For____Against__Abstain_____

[P802.1Xbx D1.6 Port-Based Network Access Control: Amendment— MAC Security Key Agreement protocol (MKA) extensions, passed Sponsor ballot recirculation with no outstanding Disapproves and no comments received on the recirculation ballot. 62 voters, 53 responding (85% response), 46 approve (100%), 0 disapprove (no outstanding comments), 7 abstentions (13%).]

P802.1Xbx - Last ballot statistics

- BALLOT OPEN DATE: 08-May-2014
- BALLOT CLOSE DATE: 18-May-2014
- TYPE: New DRAFT #: 1.6
 - BALLOTS RECEIVED: 2 VOTE CHANGES: 1
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
- 62 eligible people in this ballot group.
 - 46 affirmative votes
 - 0 total negative votes with comments
 - 0 negative votes with new comments
 - 0 negative votes without comments
 - 7 abstention votes: (Lack of expertise: 3, Lack of time: 4)
- 53 votes received = 85% returned
 - 13% abstention
- APPROVAL RATE
- The 75% affirmation requirement is being met.
 - 46 affirmative votes
 - 0 negative votes with comments
 - 46 votes = 100% affirmative
- The comments are:
 - <http://www.ieee802.org/1/files/private/bx-drafts/d1/802-1Xbx-D1-5-sponsor-recirc1-pdis01.pdf>

* Motion #23	802.1 requests EC approval to submit P802.1Xbx D1.6 to RevCom for approval as an IEEE Standard.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.036

5.037	ME	IEEE P802.1AXrev Link Aggregation, conditional to RevCom	Parsons	3	02:58 PM
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Parsons presented the following slides

Motion

- 802.1 confirms the 5C
<http://www.ieee802.org/1/files/public/docs2012/new-ax-rev-draft-5c-0112.pdf> and requests EC conditional approval to submit P802.1AX-REV to RevCom.
- Proposed: Haddock
- Second: Saltsidis
- For 34 Against 0 Abstain 0

- EC proposed: Second:
- For Against Abstain

P802.1AXrev - Last ballot statistics

- Ballot Open Date: 19-Jun-2014
- Ballot Close Date: 04-Jul-2014
- Draft #: P802.1AX-REV/D4.1
 - Ballots Received: 3 Vote Changes: 1 Comments: 11 Must Be Satisfied Comments: 1
- RESPONSE RATE
 - This ballot has met the 75% returned ballot requirement.
 - 87 eligible people in this ballot group.
- 67 affirmative votes
 - 1 total negative votes with comments
 - 1 negative votes with new comments
 - 0 negative votes without comments
 - 2 abstention votes: (Lack of expertise: 1, Lack of time: 1)
- 70 votes received = 80% returned
 - 2% abstention
- APPROVAL RATE
 - The 75% affirmation requirement is being met.
 - 67 affirmative votes
 - 1 negative votes with comments
 - 68 votes = 98% affirmative
- The comments are:
 - <http://www.ieee802.org/1/files/private/ax-rev-drafts/d4/802-1AX-REV-d4-1-dls-v2.pdf>

P802.1AXrev - unsatisfied

- The 1 outstanding "No" was associated with one must be satisfied comment from Steve Haddock
- This (and all other comments on the ballot) has been addressed and the commenter has indicated that he is satisfied with the resolution.

P802.1AX ballot schedule

- Next recirculation, starting in August 2014, 15 day ballot
- September 802.1 interim meeting to resolve comments
- Submit either for December RevCom (Oct 20 deadline) or intermediate meeting.

* Motion #24	The EC confirms the 5C http://www.ieee802.org/1/files/public/docs2012/new-ax-rev-draft-5c-0112.pdf and grants conditional approval to submit P802.1AX-REV to RevCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.037

Time 2:57pm

5.038	ME	IEEE P802.1Qrev Bridges and Bridged Networks, conditional to RevCom	Parsons	3	03:01 PM
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Parsons presented the following slide

Motion

- 802.1 requests EC conditional approval to submit P802.1Q-REV to RevCom.

- Proposed: Haddock
- Second: Jeffree
- For __31__ Against __0__ Abstain __1__

- EC proposed: Second:
- For____Against__Abstain____

Note: CSD were not required at PAR approval, so there are none

* Motion #25	EC grants conditional approval to submit P802.1Q-REV to RevCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.038

IEEE 802 July 2014 Plenary

Time 3:04pm

5.04		IEEE 802.3			03:04 PM
5.041	ME	IEEE P802.3bw, 1 Twisted Pair 100 Mb/s Ethernet PAR, to NesCom	Law	3	03:04 PM

After making himself a proper cup of tea, Law presented the following slides



5.041 ME: New PAR: IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Title

Standard for Ethernet Amendment Physical Layer Specifications and Management Parameters for 100 Mb/s Operation over a Single Balanced Twisted Pair Cable (100BASE-T1)

Scope of project

The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 Standard for Ethernet to add a point-to-point full duplex 100 Mb/s Physical Layer (PHY) specifications and management parameters for operation over single twisted pair balanced cabling.

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Need

Adoption of Ethernet into the new market area of automotive has generated a need for a 100 Mb/s solution that will operate over single balanced twisted pair cabling on a lower-performance channel as well as other applications, such as carbon footprint sensitive applications, that will benefit by a reduction in the number of wire pairs and magnetics. IEEE Std 802.3 does not currently support 100 Mb/s operation over single balanced twisted pair cabling.

Draft PAR

http://ieee802.org/3/1TPCESG/public/P802_3bw_PAR_220514.pdf

Draft CSD responses

http://ieee802.org/3/1TPCESG/public/20140528_CSD_IEEE802_3bw.pdf

IEEE P802.3bw 1 Twisted Pair 100 Mb/s Ethernet PAR and CSD responses

Motion

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

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

Working Group votes on approval of individual items:

Project Authorization Request:	Y: 66,	N: 0,	A: 0
Managed objects:	Y: 69,	N: 0,	A: 0
Broad Market Potential criterion:	Y: 61,	N: 0,	A: 1
Compatibility criterion:	Y: 67,	N: 0,	A: 1
Distinct Identity criterion:	Y: 69,	N: 0,	A: 1
Technical Feasibility criterion:	Y: 73,	N: 0,	A: 1
Economic Feasibility criterion:	Y: 70,	N: 0,	A: 0

* Motion #26	The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bw CSD responses and forwards the IEEE P802.3bw PAR to NesCom
Moved	Law
Second	D'Ambrosia
Results	12-0-1
Motion	passes
Reference	Agenda Item #5.041

5.042	ME	IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision Maintenance PAR to NesCom	Law	3	03:07 PM
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As his tea needed to cool, Law presented the following slides.



5.042 ME: Revision PAR: IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Title

Standard for Ethernet

Scope

This standard defines Ethernet local area, access and metropolitan area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB). The Carrier Sense Multiple Access with Collision Detection (CSMA/CD) MAC protocol specifies shared medium (half duplex) operation, as well as full duplex operation. Speed specific Media Independent Interfaces (MIIs) provide an architectural and optional implementation interface to selected Physical Layer entities (PHY). The Physical Layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium and supported link length. Other specified capabilities include: control and management protocols, and the provision of power over selected twisted pair PHY types.

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Need

IEEE Std 802.3-2012 will need to have a revision initiated by 2015 to allow consideration of future amendments per standards board policies. This Revision will include the merge of IEEE Std 802.3bk-2013, IEEE Std 802.3bj-2014 and accumulated maintenance changes. It is also expected to include IEEE Std 802.3bm-201x. Because there are multiple other amendments in the "pipeline", it will be desirable to complete this revision by 2015 to provide a solid base for sponsor balloting of other approved amendment projects. These schedule considerations require that new capabilities or functional enhancement will have to be deferred to a future amendment project to avoid delaying approved and current proposed new projects.

Draft PAR

http://ieee802.org/3/maint/public/P802_3_PAR_Draft_1_0714.pdf

IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR responses

Motion

The IEEE 802 LMSC Executive Committee forwards the IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR to NesCom

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

Working Group vote

Y: 89, N: 0, A: 4

* Motion #27	The IEEE 802 LMSC Executive Committee forwards the IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR to NesCom
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.042

IEEE 802 July 2014 Plenary

5.05		IEEE 802.11			03:10 PM
5.051	ME	IEEE P802.11ah (Sub 1 GHz) - PAR extension to NesCom	Stephens	3	03:10 PM

Stephens presented the following slides:

May 2014

doc.: IEEE 802.11-14/0849r0

5.051 - P802.11ah PAR Extension Motion

- **Approve sending the PAR extension request in the PAR document cited below for P802.11ah to NesCom**
 - PAR document: <https://mentor.ieee.org/802.11/dcn/14/11-14-0590-01-00ah-tgah-par-extension.docx>
 - CSD document: <https://mentor.ieee.org/802.11/dcn/14/11-14-0591-00-00ah-tgah-revised-csd.docx>
 - In the WG: PAR motion 48,0,1, CSD motion 46,0,1
- **Moved: Adrian Stephens**
- **Seconded: Jon Rosdahl**

Submission

Slide 3

Yongho Seok (LG Electronics)

* Motion #28	Approve sending the PAR extension request in the PAR document cited below for P802.11ah to NesCom And confirm the PAR and CSD cited below: PAR document: https://mentor.ieee.org/802.11/dcn/14/11-14-0590-01-00ah-tgah-par-extension.docx CSD document: https://mentor.ieee.org/802.11/dcn/14/11-14-0591-00-00ah-tgah-revised-csd.docx
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.051

IEEE 802 July 2014 Plenary

5.052	ME	IEEE P802.11ai (Fast initial link setup) – PAR extension to NesCom	Stephens	3	03:13 PM
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Stephens presented the following slide

May 2014

doc.: IEEE 802.11-14/0849r4

5.052 - P802.11ai PAR Extension Motion

- **Approve sending the PAR extension request in the PAR document cited below for P802.11ai to NesCom**
- **And confirm the PAR and 5C cited below**
 - PAR document: <https://mentor.ieee.org/802.11/dcn/14/11-14-0653-02-00ai-tgai-par-extension.docx>
 - 5C document: <https://mentor.ieee.org/802.11/dcn/10/11-10-1153-00-0fia-fast-initial-link-set-up-5c.doc>
 - In the WG: PAR approval motion: 46,0,0; 5C approval motion: 46,0,0
- **Moved: Adrian Stephens**
- **Seconded: Jon Rosdahl**

Submission

Slide 9

Hiroshi Mano (KDTI)

* Motion #29	Approve sending the PAR extension request in the PAR document cited below for P802.11ai to NesCom And confirm the PAR and 5C cited below: PAR document: https://mentor.ieee.org/802.11/dcn/14/11-14-0653-02-00ai-tgai-par-extension.docx 5C document: https://mentor.ieee.org/802.11/dcn/10/11-10-1153-00-0fia-fast-initial-link-set-up-5c.doc
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.052

IEEE 802 July 2014 Plenary

5.06		IEEE 802.15			03:16 PM
5.061	ME	IEEE P802.15.4s Amendment Spectrum Resource Measurement PAR, to NesCom	Heile	3	03:16 PM

Heile presented the following slides

July 2014

doc.: IEEE 15-14-0483-00

802.15.4s PAR to NesCom

Submission

Slide 5

Shoichi Kitazawa, ATR

July 2014

doc.: IEEE 15-14-0483-00

Comments and Resolutions

Comments Received:

- 2 Comments from 802.19
- 1 Comment from 802.11
- 2 Comments from 802.3

Submission

Slide 6

Shoichi Kitazawa, ATR

July 2014

doc.: IEEE 15-14-0483-00

Comment #1 from 802.19WG

Comment: In Section 5.2.b two examples of spectrum resource measurements are given: PER and delay. These seem to be more network performance metrics. Please explain the difference between spectrum resource measurements and network performance metrics.

Response and Action:

In an effort to provide a bit more clarity in the description, we propose that Section 5.2 in the PAR be modified as follows (action to be done by NesCom admin):

*This amendment to IEEE Std 802.15.4 defines MAC related functions to enable spectrum resource **management**.*

It specifies

*spectrum resource measurements **and network performance metrics**, such as packet error ratio, delay, etc,*

information elements and data structures to capture these measurements,

procedures for collecting and exchanging spectrum resource measurement information with higher layers or other devices.

Submission

7

Shoichi Kitazawa, ATR

July 2014

doc.: IEEE 15-14-0483-00

Comment #2 from 802.19WG

Comment: Will these spectrum resource measurements provide input to the 802.19.1 coexistence model?

Response: These spectrum resource measurements may be used by the 802.19.1.

Action: No change needed to the PAR or CSD

Submission

8

Shoichi Kitazawa, ATR

Comment from 802.11

Comment: 1.2.4 b) need a response:

- b) Proven similar technology via testing, modeling, simulation, etc.

Response and Action:

The following has been added to 1.2.4 b) in the CSD:

Same as 1.2.4 a). Similar capabilities have already been deployed and demonstrated in many proprietary implementations.

Comment #1 from 802.3

Comment: The CSD does not respond to the question 'Describe the plan for developing a definition of managed objects.'

Response and Action:

The below has been added to the CSD

Intended plan for developing a definition of managed objects:

- *Understand the common capabilities associated with spectrum resource and network performance metrics of all the PHYs currently defined in the IEEE 802.15.4-2011 plus completed amendments. Also identify and record specific unique capabilities as needed.*
- *Where necessary, understand how to express those capabilities in a common manner, for example, if latency is such a capability then determine if it is used in a consistent manner from PHY to PHY. If not, define a mechanism to normalize.*
- *Define a transport mechanism, like an IE.*
- *Reduce the above to a set defined managed objects.*

July 2014

doc.: IEEE 15-14-0483-00

Comment #2 from 802.3

Comment: for Economic Feasibility the CSD simply states that existing 15.4 model is still valid, a pointer to that model at a minimum should be provided.

Response: Reference to a 15.4 model has been removed. CSD has been modified as follows

Economic Feasibility

Each proposed IEEE 802 LMSC standard shall provide evidence of economic feasibility. Demonstrate, as far as can reasonably be estimated, the economic feasibility of the proposed project for its intended applications. Among the areas that may be addressed in the cost for performance analysis are the following:

- **Balanced costs (infrastructure versus attached stations).**

Since there is no added hardware costs, the existing balance remains unchanged

- **Known cost factors.**

Firmware change - no added hardware costs

- **Consideration of installation costs.**

No change to installation costs

- **Consideration of operational costs (e.g., energy consumption).**

No change to operational costs

- **Other areas, as appropriate.**

None.

Submission

11

Shoichi Kitarawa, ATR

July 2014

doc.: IEEE 15-14-0483-00

Motion to Approve 15.4s PAR and CSD

Move that 802EC approve the PAR ([15-13-0615-08-0sru-sru-working-draft-par](#)) as modified by the Comment Resolutions ([15-14-0462-00-0sru-repsonsess-to-802-15-4s-par-csd-comments](#)) and CSD ([15-14-0175-05-0sru-working-draft-of-sg-sru-csd](#)) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval.

(WG vote: 41-0-0)

Moved: Bob Heile

Second: James Gilb

Submission

Slide 12

Shoichi Kitarawa, ATR

IEEE 802 July 2014 Plenary

* Motion #30	Move that 802EC approve the PAR (15-13-0615-08-0sru-sru-working-draft-par) as modified by the Comment Resolutions (15-14-0462-00-0sru-repsonsess-to-802-15-4s-par-csd-comments) and CSD (15-14-0175-05-0sru-working-draft-of-sg-sru-csd) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval.
Moved	Heile
Second	Gilb
Results	12-0-0
Motion	passes
Reference	Agenda Item #5.061

Time 3:19pm

5.07		IEEE 802.16			03:19 PM
5.071	ME	IEEE P802.16q (Multi-Tier Networks) to Sponsor Ballot (conditional)	Marks	3	03:19 PM

Marks presented the following slides:

IEEE 802.16-14-0085-01-Gdoc

P802.16q to Sponsor Ballot: Conditional Approval Request

18 July 2014

PAR and 5C

PAR:

<https://mentor.ieee.org/802.16/dcn/16-12-0526-00>

5C:

<https://mentor.ieee.org/802.16/dcn/16-12-0394-06>

PAR Title:

IEEE Standard for Air Interface for Broadband
Wireless Access Systems – Amendment for Multi-tier
Networks

PAR Approval Date:

2012-08-30

General Conditions: OM (v14) Clause 12

Conditional approval is only appropriate when ballot resolution efforts have been substantially completed and the approval ratio is sufficient.

"Substantially complete" is when there is a very low likelihood of receiving valid new Disapprove comment(s)/vote(s) upon the next recirculation ballot.

Rules: OM (v14) Clause 12

motions requesting conditional approval to forward when the prior ballot has closed shall be accompanied by:

- Date the ballot closed
- Vote tally including Approve, Disapprove and Abstain votes
- Comments that support the remaining disapprove votes and WG responses
- Schedule for recirculation ballot and resolution meeting

Date the ballot closed

<u>Stage</u>	<u>Open</u>	<u>Close</u>
WG Letter Ballot #39	2 Apr	9 July 2014

Vote tally including Approve, Disapprove and Abstain votes

7 Approve (100%)

- 0 Disapprove
- 0 Abstain
- Return ratio requirement met (78%)

Comment resolution

Disapprove comment status

Working Group Letter Ballot #39

- all 66 comments addressed, 14-17 July 2014
- sole Disapprove voter flipped vote to approve as a result

Comments that support the remaining disapprove votes and WG responses

- none

Schedule for recirculation ballot and resolution meeting

- Sponsor Ballot Group formation is completed
 - 69 members
- July 30 – Updated draft D2 available
- Aug 1 – 15 day WGLB Recirculation a
- Aug 26 – Comment Resolution Teleconference
- Sep 5 - 15 day WGLB Recirculation b
- Sep 23 – Comment Resolution Teleconference
- Sep 26 to Oct 26 – 30 day Sponsor Ballot
- Nov 3 – IEEE 802.16 WG Session #94

802.16 WG Motion

802.16 Closing Plenary: 2014-07-17

Motion: “To request Conditional Approval from the EC
to forward the P802.16q draft to Sponsor Ballot”

- Approved 5-0-0

LMSC Motion

- To grant conditional approval, per Clause 12 of the IEEE 802 Operations Manual, to forward P802.16q (under 5C IEEE 802.16-12-0394-06) for Sponsor Ballot
- Moved: Marks
- Seconded: Das
- Approve: 13
- Disapprove: 0
- Abstain: 0

* Motion #31	To grant conditional approval, per Clause 12 of the IEEE 802 Operations Manual, to forward P802.16q (under 5C IEEE 802.16-12-0394-06) for Sponsor Ballot
Moved	Marks
Second	Das
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.071

IEEE 802 July 2014 Plenary

5.08	ME	IEEE 802.18	Lynch		03:22 PM
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Lynch indicated that there was nothing to report.

5.09	ME	IEEE 802.19	Shellhammer		03:22 PM
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Shellhammer indicated that there was nothing to report.

Break 3:26pm

Reconvened at 3:35pm

6.00		Executive Committee Study Groups, Working Groups, TAGs			03:28 PM
6.01	MI	IEEE 802.21	Das		03:28 PM

No activity.

6.02		IEEE 802.22			03:28 PM
6.021	MI	IEEE 802.22 Spectrum Occupancy Sensing Study Group (2nd Extension)	Mody	3	03:28 PM

Chair asked if any objections were made to hearing 6.031 first – none were heard by the chair.

Time 3:36

6.03		IEEE 802.24			03:31 PM
6.031	MI	IEEE 802.24 Scope Change	Gilb	10	03:31 PM

Gilb presented the following slides

July 2014

24-14-0016-04-0000

IEEE 802.24 Smart Grid TAG Procedure for starting a new TG

802.24 Smart Grid TAG

James Gilb (Tensorcom)

Proposed new 802.24 scope

- **IEEE 802.24 Vertical Applications TAG** focuses on application categories that use IEEE 802 technology and are of interest to multiple IEEE 802 WGs and have been assigned to IEEE 802.24 by the IEEE Executive Committee.
- For those application categories, IEEE 802.24:
 - Acts as a liaison and point of contact with industry organizations, other SDOs, government agencies, IEEE societies, etc., for questions regarding the use of 802 standards in those vertical applications.
 - Develops white papers, presentations and other documents that do not require a PAR that describe the application of 802 standards to those vertical applications
 - Acts as a resource for understanding 802 standards for regulatory agencies and for certification efforts by industry bodies, that require more than one IEEE 802 WG's input.
- **NOTE:** The IEEE 802 technologies are applied to support the vertical applications. IEEE 802.24 determines what makes the horizontal technologies supportive of the applications. IEEE 802.24 also determines what enhancements to the horizontal technologies would improve their ability to support the applications.
- **Examples of potential vertical application categories are: Smart Grid, Intelligent Transportation Systems (ITS), Smart Homes, Smart Cities, eHealth**

New TG process (1)

- An individual(s) requests time for a presentation (the best is a tutorial slot) that describes the new application category. The presentation should be:
 - Application focused
 - Supported by multiple members and multiple companies
- If the response from the presentation is favorable, the individual(s) requests that the IEEE 802.24 TAG form a subgroup to write a proposed TG scope document for that application category (the current form is 24-14-0014-01). Approval for forming a subgroup is a majority vote. The IEEE 802.24 TAG Chair will inform the Sponsor of the formation of the group.
- When the subgroup has achieved consensus, the Chair of the subgroup will make a motion to approve the proposed TG scope document in the IEEE 802.24 TAG. Approval requires a 75% majority vote according to the IEEE 802 LMSC Policies and Procedures.
- The IEEE 802.24 TAG Chair submits the proposed TG scope document to all IEEE 802 WGs for review following the review and comment process in the “Plenary review” subclause of IEEE 802 LMSC Operations Manual. Note that a PAR is not being created.

New TG process (2)

- The 802.24 subgroup gets a motion in a minimum of 2 IEEE 802 WGs (not TAGs) that expresses support for adding this application category. The WGs that approve the motion may identify specific topics of that application category that are relevant to that WG.
- The 802.24 chair brings a motion to the EC to approve adding the area to IEEE 802.24.
- If the EC approves the formation of the TG, the TG may begin operation immediately.
- The IEEE 802.24 TAG may request that the EC rescind the scope of a TG, thereby dissolving the TG.

Sample Motion in WG

- Moved: IEEE 802.yy WG supports the formation of <Name of 802.24 Task Group> with the scope defined in <DCN>. IEEE 802.yy WG has identified the following topics that are of interest to the WG.
 - Topic 1
 - Topic 2
- Moved:
- Seconded:
- Vote: y/n/a

IEEE 802.24 Smart Grid TAG
Motions for closing plenary

Current 802.24 scope

The 802 Smart Grid TAG

- Acts as a liaison and point of contact with regulatory agencies, industry organizations, other SDOs, government agencies, IEEE societies, etc., for questions regarding the use of 802 standards in Smart Grid applications.
- Facilitate coordination and collaboration among 802 groups.
- Provides speakers as needed and available to present on 802 standards in Smart Grid applications.
- Develops white papers, guidelines, presentations and other documents that do not require a PAR that describe the application of 802 standards to Smart Grid applications.
- Acts as a resource for understanding 802 standards for certification efforts by industry bodies.

802.24 Scope change

- Motion: That the IEEE 802 EC approves changing the scope of IEEE 802.24 TAG to the scope in document 24-14-0016-04 and the process for forming new task groups within IEEE 802.24 TAG as described in document 24-14-0016-04
- Moved: Gilb
- Second: D'Ambrosia

* Motion #32	That the IEEE 802 EC approves changing the scope of IEEE 802.24 TAG to the scope in document 24-14-0016-04 and the process for forming new task groups within IEEE 802.24 TAG as described in document 24-14-0016-04
Moved	Gilb
Second	D'Ambrosia
Results	10-0-0
Motion	Passes
Reference	Agenda Item #6.031

6.032	MI	IEEE 802.24 Smart Grid Task Group Formation	Gilb	5	03:41 PM
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Gilb presented the following slides:

**doc.: IEEE
802.11-14/0981r0**

802.11 Motion

- **The IEEE 802.11 WG supports the formation of the Smart Grid Task Group with the scope defined in [24-14-0015-03-0000-smart-grid-tg-scope](#). The IEEE 802.11 WG has identified the following topics that are of interest:**
 - Home Area Networks
 - Metering Networks
 - Sensor Connectivity
- **Moved: Tim Godfrey**
- **Second:**
- **Vote: 48/2/4**

Submission

802.16 motion

- The IEEE 802.16 WG supports the formation of the Smart Grid Task Group with the scope defined in [24-14-0015-02-0000-smart-grid-tg-scope](#). IEEE 802.16 WG has identified the following topics that are of interest to the WG:
 - Utility Backhaul Networks
 - High Reliability Field Area Networks and M2M
 - Multi-Tier Networks
- Moved: Tim Godfrey
- Second:
- Vote: 5/0/0

Submission

802.15 support for Smart Grid TG

- Moved: IEEE 802.15 WG supports the formation of IEEE 802.24 Smart Grid Task Group with the proposed TG scope defined in 24-14-0015-03-0000 or current version. IEEE 802.15 WG has identified the following topics that are of interest to the WG.
 - Advanced metering infrastructure (AMI)
 - Distribution automation (DA)
- Moved: Gilb
- Seconded: Godfrey
- Vote: 30/1/1 y/n/a

802.22 motion

- Moved: The IEEE 802.22 WG supports the formation of the Smart Grid Task Group with the scope defined in 24-14-0015-03-0000-smart-grid-tg-scope. IEEE 802.22 WG has identified the following topics that are of interest to the WG:
 - Rgional Area Networks for utility network backhaul and distribution
 - <https://mentor.ieee.org/802.24/dcn/14/24-14-0015-03-0000-smart-grid-tg-scope.pdf>
- Moved: Reede
- Seconded: Sasaki
- Vote: 7/0/0

Smart Grid Task Group

- Moved: The IEEE 802 EC approves the formation of the Smart Grid Task Group in IEEE 802.24 with the scope given in document 24-14-0015-04.
- Moved: Gilb
- Seconded: Heile

* Motion #33	The IEEE 802 EC approves the formation of the Smart Grid Task Group in IEEE 802.24 with the scope given in document 24-14-0015-04.
Moved	Gilb
Second	Heile
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.032

Time 3:45pm

6.021	MI	IEEE 802.22 Spectrum Occupancy Sensing Study Group (2nd Extension)	Mody	3	03:28 PM
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It was noted that the the CSD for the P802.22.3 PAR had not been confirmed. There were no objections to hearing this motion at this time. Mody showed the following slide:

doc.: [IEEE 22-14/0103r1](#)

EC Motion to Confirm the P802.22.3 CSD

EC confirms Document [22-14-0061 Rev6](#) as the CSD for the P802.22.3 PAR on Spectrum Characterization and Occupancy Sensing with editorial change in the name from ‘Spectrum Occupancy Sensing’ to ‘Spectrum Characterization and Occupancy Sensing’ as shown in Document [22-14-0061 Rev7](#)

Move: Apurva N. Mody

Second: Steve Shellhammer

For: 13

Against: 0

Abstain: 0

Motion Passes

Submission

Slide 22

Apurva N. Mody, BAE Systems

* Motion #34

EC confirms Document [22-14-0061 Rev6](#) as the CSD for the P802.22.3 PAR on Spectrum Characterization and Occupancy Sensing with editorial change in the name from ‘Spectrum Occupancy Sensing’ to ‘Spectrum Characterization and Occupancy Sensing’ as shown in Document [22-14-0061 Rev7](#)

Moved

Moody

Second

Shellhammer

Results

13-0-0

Motion

passes

Reference

Agenda Item #6.021

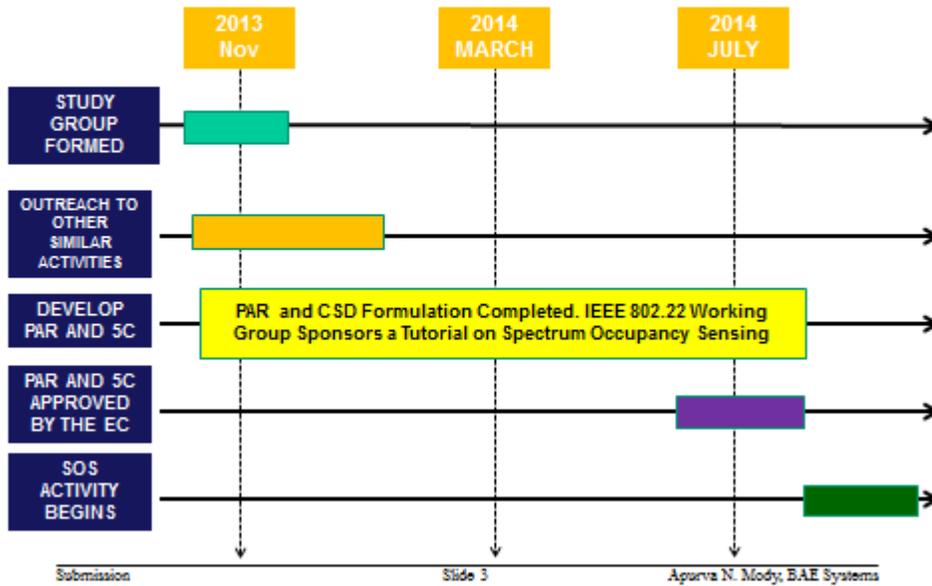
Mody showed the following slides

Second Extension for the Spectrum Occupancy Sensing (SOS) Study Group under the 802.22 WG

Submission Slide 2 Agurva N. Mody, BAE Systems

doc.: IEEE 22-14/0103r1

Timelines of the Study Group



doc.: IEEE 22-14/0103r1

**802.22 WG Motion for the Second Extension
for the SOS Study Group**

The Working Group requests the Chair to seek an approval for the second extension for the Spectrum Occupancy Sensing Study Group from the EC.

Move: Chang-woo Pyo

Second: Jerry Kalke

For: 7

Against: 0

Abstain: 0

Motion Passes.

Submission

Slide 4

Apurva N. Mody, BAE Systems

doc.: IEEE 22-14/0103r1

**EC Motion for the Second Extension for the
SOS Study Group**

IEEE 802 EC approves Second Extension for the Spectrum Occupancy Sensing (SOS) Standardization Study Group under the IEEE 802.22 working group

Move: Apurva N. Mody

Second: Steve Shellhammer

For: 13

Against:0

Abstain:0

Motion Passes

Submission

Slide 5

Apurva N. Mody, BAE Systems

IEEE 802 July 2014 Plenary

* Motion #35	IEEE 802 EC approves Second Extension for the Spectrum Occupancy Sensing (SOS) Standardization Study Group under the IEEE 802.22 working group
Moved	Moody
Second	Shellhammer
Results	13-0-0
Motion	passes
Reference	Agenda Item #6.021

6.04		IEEE 802.1			03:46 PM
6.041	II	Local Address Space Usage Plan	Parsons	2	03:46 PM

Parsons showed the following slides:

II: Local Address Space usage plan

Motion

- Authorize the September 802.1 interim to draft a PAR and CSD for precirculation to the EC, for an IEEE 802 amendment on Local Address space usage plan and Company ID based local MAC addresses.
- Proposed: Haddock
- Second: Jeffree

For 31 Against 1 Abstain 2

6.05		IEEE 802.3			03:48 PM
6.051	MI*	IEEE 802.3 1 Twisted Pair 100Mb/s Ethernet Study Group (1st Extension)	Law	0	03:48 PM
6.052	MI*	IEEE 802.3 Gigabit Ethernet Over Plastic Optical Fiber Study Group (1st Extension)	Law	0	03:48 PM

Approved with approval of agenda.

6.053	MI	IEEE 802.3 25 Gb/s operation over a single lane Study Group Formation	Law	3	03:48 PM
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Law presented the following slides

6.053 MI: IEEE 802.3 25 Gb/s operation over a single lane for server interconnects Study Group

IEEE 802.3 25 Gb/s operation over a single lane Study Group

Motion

The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25 Gigabit/s Ethernet over a single lane for server interconnects Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

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

148 CFI attendees, 59 interested in participating

Working Group vote:

Y: 61, N: 0, A: 5

* Motion #36	The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25 Gigabit/s Ethernet over a single lane for server interconnects Study Group within IEEE 802.3
Moved	Law
Second	D'Ambrosia
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.053

IEEE 802 July 2014 Plenary

6.06		IEEE 802.11			03:51 PM
6.061	MI	IEEE 802.11 Next Generation 60 GHz (NG60) Formation	Stephens	3	03:51 PM

Stephens presented the following slides.

July 2014

doc.: IEEE 802.11-14/0849r4

6.061 - 802.11 Next Generation 60GHz (NG60) Study Group motion

- **Approve the formation of the 802.11 Study Group to investigate the feasibility of substantially increasing the data rates of 802.11 in the 60 GHz frequency band [as described in the document cited below] with the intent of creating a PAR and CSD (including five criteria).**
 - See: <https://mentor.ieee.org/802.11/dcn/14/11-14-0606-00-0wng-next-generation-802-11ad.pptx>
 - WG Result: 127,0,3 – passes
 - Pro tem study group chair: Carlos Cordeiro
- **Moved: Adrian Stephens**
- **Seconded: Jon Rosdahl**

Submission

Slide 10

Adrian Stephens, Intel Corporation

* Motion #37

Approve the formation of the 802.11 Study Group to investigate the feasibility of substantially increasing the data rates of 802.11 in the 60 GHz frequency band [as described in the document cited below] with the intent of creating a PAR and CSD (including five criteria).

Moved
Second
Results
Motion

stephens
rosdahl
12-0-1
passes

Reference Agenda Item #6.061

IEEE 802 July 2014 Plenary

6.07		IEEE 802.15			03:54 PM
6.071	MI	IEEE 802.15 Optical Camera Communications Study Group (3rd Extension)	Heile	3	03:54 PM

Heile showed the following slide.

July 2014

doc.: IEEE 15-14-0483-00

Renewal of OCC Study Group

Due to circumstances beyond its control, this Study Group was unable to meet at the May Interim which set it back by one cycle. Draft PAR and CSD are now complete and will be brought to the Nov 2014 Plenary

Motion: Request the 802EC approve the renewal of the Optical Camera Communications Study Group in 802.15 for another cycle.

(WG vote: 40-0-0)

Moved: Bob Heile

Second: James Gilb

Submission

Slide 3

Shoichi Kitazawa, ATR

* Motion #38	Request the 802EC approve the renewal of the Optical Camera Communications Study Group in 802.15 for another cycle.
Moved	Heile
Second	Gilb
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.071

6.072	MI	IEEE 802.15 Spectrum Resource Measurement (3rd Extension)	Heile	3	03:57 PM
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Heile showed the following slide.

July 2014

doc.: IEEE 15-14-0483-00

Renewal of SRU Study Group

This is a contingency renewal to address any issues should the PAR not be approved

Motion: Request the 802EC approve the renewal of the Spectrum Resource Utilization Study Group in 802.15 for another cycle.

(WG vote: 41-0-0)

Moved: Bob Heile

Second: James Gilb

Submission

Slide 4

Shoichi Kitazawa, ATR

* Motion #39	Request the 802EC approve the renewal of the Spectrum Resource Utilization Study Group in 802.15 for another cycle.
Moved	Heile
Second	Gilb
Results	13-0-0
Motion	passes
Reference	Agenda Item #6.072

6.11	MI	IEEE 802 EC Study Group for a recommended practice on privacy	Zuniga	10	04:00 PM
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Zuniga showed slides from ec-14-0058-00-00EC

Proposal for an IEEE 802 EC Privacy Recommendation Study Group

18th of July 2014

1

July 14th Internet Privacy Tutorial

- **Title: Pervasive Surveillance of the Internet – Designing Privacy into Internet Protocols**
 - Ted Hardie (IETF IAB)
 - Alissa Cooper (Cisco)
 - Lily Chen (NIST)
 - Piers O’Hanlon (Oxford Internet Institute)
 - Juan Carlos Zuniga (InterDigital)
- **Audience: IEEE 802 Plenary, San Diego**
 - About 150 people
- **Summary:**
 - The Tutorial provided an update on the recent concerns about Internet privacy, the actions that IETF is taking, and the guidelines that are being followed when developing new specifications.
 - Several Privacy concerns apply specifically to Link Layer technologies, and IEEE 802 can help addressing them
 - The idea of developing an IEEE 802 recommended practices document, similar to the one produced by IETF (RFC 6973) was suggested and supported by several IEEE 802 members from different WGs (about 10-15 people)

2

IEEE 802 EC Privacy Recommendation Study Group

- From IEEE 802 LMSC P&P:
 - *“The Study Group shall have a defined task with specific output and a specific time frame established within which it is allowed to study the subject. It is expected that the work effort to develop a PAR will originate in an ECSG or WGSG. A Study Group shall report its recommendations, shall have a limited lifetime, and is chartered plenary session-to-plenary session. A study group is expected to submit a PAR to the EC for consideration by the 2nd plenary session after its initiation. After the Study Group recommendations have been accepted by the parent body, the Study Group will be disbanded no later than the end of the next plenary session. A Study Group is disbanded upon approval of the PAR by the IEEE-SA Standards Board.”*

Privacy SG Schedule Expectations

- 2014-07-18: approval of EC SG
 - Issue SG announcement and call for contributions
- 2014-07-18 through 2014-11-02
 - 2 Teleconferences, announced on the 802 EC mailing list
 - PAR drafting and contributions discussion
- 2014-11-02 through 2014-11-07 (first EC SG meeting)
 - PAR drafting and contributions discussion
 - Expectation for SG renewal request
 - Presentation to IETF groups at meeting the following week
- 2014-11-07 through 2015-03-08
 - 2 (or more) Teleconferences, announced on the 802 EC mailing list
 - PAR drafting
- 2015-03-08 through 2015-03-13 (second EC SG meeting)
 - PAR drafting and preparation for submission to EC
 - Expectation of EC approval of draft PAR

Call for Contributions Content

- On 18 July 2014, the IEEE 802 Executive Committee chartered the Privacy Recommendation Executive Committee Study Group (SG) to study the development of a recommended practice document on privacy guidelines for IEEE 802 protocols, similar to IETF RFC 6973. The SG is chartered through 7 November 2014, with an expectation of renewal through 13 March 2015. The SG will meet the week of 2 November 2014 in San Antonio, TX, and the week of 8 March 2015 in Berlin, Germany.
- The SG will hold two teleconferences on <TBD> and <TBD>
- Further details are available in documentation at the SG web site <link>.
- The SG hereby solicits input documentation to progress the development of the work. The Study Group particularly seeks inputs on the following topics:
 - (1) Privacy Issues at Link Layer.
 - (2) Proposals regarding measuring Privacy on Internet protocols.
 - (3) Proposals regarding functionalities in IEEE 802 protocols to improve Privacy.
- Instructions for document submission

IEEE 802 EC Motion

- To initiate an IEEE 802 EC Privacy Recommendation Study Group, with Juan Carlos Zuniga as Chair
- Motion:
- Second:

6

* Motion #40	To initiate an IEEE 802 EC Privacy Recommendation Study Group, with Juan Carlos Zuniga as Chair
Moved	D'Ambrosia
Second	Rosdahl
Results	7-5-1
Motion	Passes
Reference	Agenda Item #6.11

Roger Marks will mentor Juan Carlos Zuniga in the conduct of a study group.

Stephens requested that Zuniga provide a tutorial to 802.11. Parsons requested the same for 802.1. There was a request to review rules regarding teleconferences.

Action Item Gilb / Thaler Review rules regarding teleconferences for EC Study Groups

Zuniga Develop introductory slides regarding the Study Group activity to be forwarded to EC reflector prior to its 1st meeting.

IEEE 802 July 2014 Plenary

7.00	ME	LMSC Liaisons and External Interface			04:10 PM
7.01	ME	IEEE 802.21	Das		04:10 PM
7.02		IEEE 802.22			04:10 PM
7.021	ME	Approval of the Liaison Document to ISO/JTC1 on Responses to the SC6 NB comments under the 60 days ballot of the IEEE Std. 802.22-2011:	Mody	3	04:10 PM

Mody presented the following slides

July 2014

doc.: ec-14-0052-INTL Rev1

Telecommunications and Information Exchange Between Systems ISO/IEC JTC 1/SC 6

Document Number: 6N15954

Date: 2014-07-18

Replaces:

Document Type: Liaison Organization Contribution

Document Title: IEEE 802 Response to FDIS 60 days ballot Comments on IEEE Std. 802.22-2011

Document Source: IEEE 802

Project Number:

Document Status: For Consideration at the SC 6/WG 1 meeting

Action ID: FYI

Due Date:

No. of Pages: 5

ISO/IEC JTC1/SC6 Secretariat Ms. Jooran Lee, KSA (on behalf of KATS)

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July 2014

doc.: ec-14-0052-INTL Rev1

**IEEE 802 Response to FDIS 60 days ballot Comments on
the IEEE Std. 802.22-2011**

Date: 2014-07-17

Authors:

Name	Affiliations	Address	Phone	email
IEEE 802.22				Apurva Mody < apurva.mody@ieee.org >

Abstract: This document provides responses to FDIS 60 days ballot comments on IEEE Std. 802.22-2011

IEEE 802 Response to FDIS 60 days ballot Comments on the IEEE Std. 802.22-2011



N15954

Response (part 1/3)

- *IEEE 802 thanks the China NB for its comment during the 60 day ballot on IEEE 802.22 as part of its consideration according to the PSDO agreement*
- *In the comment, the China NB objected to IEEE 802.22 using a security mechanism based on the use of ISO/IEC/IEEE 8802-1X because the China NB believes its comments in the previous FDIS ballot on ISO/IEC/IEEE 8802-1X have not been satisfactorily resolved*
- *It is up to the China NB to determine whether their comments on previous FDIS ballots have been satisfactorily resolved or not.*
- *However, we note IEEE 802 has responded fully to every comment received from all ISO/IEC SC6 and JTC1 NBs during all 60 day and FDIS ballots undertaken as part of the PSDO defined process*

IEEE 802 Response to FDIS 60 days ballot Comments on the IEEE Std. 802.22-2011

Response (part 2/3)

- *IEEE 802 does not know of any outstanding issues related to ISO/IEC/IEEE 8802-1X, and notes that this standard is being successfully implemented globally today in billions of devices.*
- *IEEE 802 encourages any users of the standard, including China NB security experts, to provide further details of any issues related to ISO/IEC/IEEE 8802-1X*
- *This can be done by e-mail or at a face to face meeting of the IEEE 802.1 Working Group.*
- *The IEEE 802.1 Working Group meeting schedule is available from the IEEE 802.1 Working Group Chair (Glenn Parsons, glenn.parsons@ericsson.com)*

IEEE 802 Response to FDIS 60 days ballot Comments on the IEEE Std. 802.22-2011

Response (part 3/3)

- *In the comment, the China NB also asserted that the quality and reputation of ISO/IEC standards have been diminished by the use of PSDO defined approval processes*
- *No evidence has been provided to justify this assertion, so it is difficult for IEEE 802 to respond in any meaningful way.*
- *However, IEEE 802 notes the PSDO agreement between IEEE and ISO has given ISO/IEC JTC1 NBs, as important stakeholders of the widely implemented and used ISO/IEC/IEEE 8802 series of standards, an effective mechanism for both review and approval.*
- *IEEE 802 believes the PSDO process has been very effective and encourages all NBs to make greater use of the opportunity to participate in the development and approval of the ISO/IEC/IEEE 8802 series of standards*

**Motion to Approve IEEE 802 Response
to FDIS 60 days ballot Comments on the
IEEE Std. 802.22-2011**

**IEEE 802.22 WG Motion to Approve Response to FDIS 60 days
ballot Comments on the IEEE Std. 802.22-2011**

The IEEE 802.22 Working Group approves the document number [ec-14-0052-INTL](#) to be liaised back to ISO JTC1 in response to the SC6NB comments under the 60 days ballot of the IEEE Std. 802.22-2011. The IEEE 802.22 Working Group further requests the 802.22 Working Group chair to seek an approval from the 802EC to liaise this document to ISO JTC1 in response to the SC6NB comments under the 60 days ballot of the IEEE Std. 802.22-2011. The 802.22 Working Group gives editorial privileges to 802.22 WG chair to put the document in the correct format or to make modifications and corrections based on any comments received from the EC or other members of the community.

Move: Jerry Kalke

Second: Chang-Woo Pyo

For: 9

Against: 0

Abstain: 0

Motion Passes.

doc.: IEEE 22-14/0103r1

**EC Motion to Approve Response to FDIS 60 days ballot
Comments on the IEEE Std. 802.22-2011**

**EC Approves Document [ec-14-0052-INTL Rev1](#) as a
Liaison Response to ISO JTC1 SC6 for the FDIS 60 Days
Ballot Comments on the IEEE Std. 802.22-2011.**

Move: Apurva N. Mody

Second: Steve Shellhammer

For: 13

Against: 0

Abstain: 0

Motion Passes

Submission

Slide 25

* Motion #41	EC Approves Document ec-14-0052-INTL Rev1 as a Liaison Response to ISO JTC1 SC6 for the FDIS 60 Days Ballot Comments on the IEEE Std. 802.22-2011.
Moved	Mody
Second	Shellhammer
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.021

7.022	ME	Approval of the Liaison Document to ISO/JTC1 to allocate IEEE 802.22 maintenance responsibility for the ISO/IEC/IEEE 8802-22 family of standards	Mody	3	04:13 PM
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Mody presented the following slides:

doc.: IEEE 22-14/0103r0

Motion to Approve Liaison Request to Allocate the Revision Responsibility of the ISO/IEC/IEEE 8802-22 Standards to the IEEE 802.22 WG

Submission

Slide 26

Aparna N. Mody, BAE Systems

doc.: IEEE 22-14/0103r0

IEEE 802.22 WG Motion for Liaison Request to Allocate the Revision Responsibility of the ISO/IEC/IEEE 8802-22 Standards to the IEEE 802.22 WG

The IEEE 802.22 Working Group approves the document number [ec-14-0053-INTL](#) to be liaised back to ISO JTC1 to allocate responsibility for the revision process of the ISO/IEC/IEEE 8802-22 series of standards to the IEEE 802.22 WG. The IEEE 802.22 Working Group further requests the 802.22 Working Group chair to seek an approval from the 802EC to liaise this document to ISO JTC1. The 802.22 Working Group gives editorial privileges to 802.22 WG chair to put the document in the correct format or to make modifications and corrections based on any comments received from the EC or other members of the community.

Move: Peter Flynn

Second: Shigenobu Sasaki

For: 9

Against: 0

Abstain: 0

Motion Passes.

Submission

Slide 27

doc.: IEEE 22-14/0103r0

**EC Motion for Liaison Request to Allocate the Revision
Responsibility of the ISO/IEC/IEEE 8802-22 Standards to the
IEEE 802.22 WG**

**EC Approves Document [ec-14-0053-INTL Rev1](#) as a
Liaison Request to Allocate the Revision Responsibility of
the ISO/IEC/IEEE 8802-22 Standards to the IEEE 802.22
WG**

Move: Apurva N. Mody

Second: Steve Shellhammer

For:

Against:

Abstain:

Motion Passes / Fails

Submission

Slide 28

14-0053-intl rev1 showed slide 3

* Motion #42	EC Approves Document ec-14-0053-INTL Rev1 as a Liaison Request to Allocate the Revision Responsibility of the ISO/IEC/IEEE 8802-22 Standards to the IEEE 802.22 WG
Moved	Mody
Second	Shellhammer
Results	13-0-0
Motion	passes
Reference	Agenda Item # 7.022

IEEE 802 July 2014 Plenary

7.03	ME	IEEE 802.24	Gilb		04:16 PM
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No activity.

7.04	ME	IEEE 802.1			04:16 PM
7.041	ME	IEEE Std 802.1Xbx to SC6 for ratification under PSDO, once published	Parsons	3	04:16 PM

Parsons showed the following slide

MOTION

- 802.1 requests EC approval to forward IEEE Std 802.1Xbx (following publication) to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
- Proposed: Seaman Second: Randall
- For 34 Against 0 Abstain 1
- EC proposed: Parsons Second: Thaler
- For Against Abstain

* Motion #43	EC grants approval to forward IEEE Std 802.1Xbx (following publication) to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
Moved	Parsons
Second	Thaler
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.041

7.042	ME	IEEE P802.1AXrev to SC6 for information under PSDO	Parsons	3	04:19 PM
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Parsons showed the following slide

MOTION

- 802.1 requests EC approval to forward 802.1AX-Rev to ISO/IEC JTC1 SC6, for information under the PSDO agreement.
- Proposed: Messenger Second: Gray
- For_28___Against_0___Abstain_0___
- EC proposed: Parsons Second:
- For___Against___Abstain___

* Motion #44	EC grants approval to forward 802.1AX-Rev to ISO/IEC JTC1 SC6, for information under the PSDO agreement.
Moved	Parsons
Second	Lynch
Results	13-0-0
Motion	
Reference	Agenda Item #7.042

7.043	ME	IEEE Std 802.1Qrev to SC6 for ratification under PSDO, once published	Parsons	3	04:22 PM
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Parsons showed the following slide

MOTION

- 802.1 requests EC approval to forward Std 802.1Q-Rev, once published, to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement after publication by IEEE.

- Proposed: Messenger Second: Gray
- For_27___Against_0__Abstain__0__

- EC proposed: Parsons Second:
- For___Against___Abstain_____

* Motion #45	EC grants approval to forward Std 802.1Q-Rev, once published, to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement after publication by IEEE.
Moved	Parsons
Second	Lynch
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.043

7.044	ME	IEEE Std 802 to SC6 for ratification under PSDO	Parsons	3	04:25 PM
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Parsons showed the following slide

MOTION

- 802.1 requests EC approval to forward Std 802 to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.

- Proposed: Messenger Second: Gray
- For_28___Against__0_Abstain__0__

- EC proposed: Parsons Second:
- For___Against__Abstain_____

* Motion #46	EC grants approval to forward Std 802 to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
Moved	Parsons
Second	Gilb
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.044

IEEE 802 July 2014 Plenary

7.045	II*	802.1 to ITU-T SG15 regarding LS114 on SDN	Parsons	0	04:28 PM
7.046	II*	802.1 to ITU-T JCA-SDN regarding SDN	Parsons	0	04:28 PM
7.047	II*	802.1 to ITU-T SG15 regarding LS116 on MDSP	Parsons	0	04:28 PM
7.048	II*	802.1 to IETF regarding deterministic networking	Parsons	0	04:28 PM

Approved with approval of agenda.

7.05		IEEE 802.3	Law		04:28 PM
7.051	ME	Press Release: IEEE 802.3 25Gb/s Ethernet Study Group Formation	Law	5	04:28 PM

Law showed the following slide



7.051 ME: Press release: IEEE 802.3 25Gb/s Ethernet Study Group formation

Law showed up the marked up press release

NOT FOR IMMEDIATE RELEASE

Draft 4, July 17, 2014

Contact: Shuang Yu, Senior Manager, Solutions Marketing
+1 732-981-3424, shuang.yu@ieee.org

IEEE FORMS STUDY GROUP TO ADDRESS 25 Gb/s ETHERNET FOR NEXT-GENERATION DATA CENTERS

New IEEE 802.3™ group to study standardizing single-lane 25 Gb/s Ethernet Interconnect technologies to provide greater server bandwidth to cloud-scale data centers

PISCATAWAY, N.J., USA, XX July 2014 – IEEE, the world's largest professional organization dedicated to advancing technology for humanity, today announced the formation of the IEEE 802.3™ 25 Gb/s Ethernet Study Group to explore the market opportunities and needs for a single-lane 25 Gb/s speed for server Interconnects for Ethernet.

Companies building data centers desire IEEE 802.3 standards-based Interoperable solutions that will enable and extend a multi-vendor eco-system providing a cost optimized solution. The re-use leveraging of serial lane 25 Gb/s signaling technology—developed to support 100 Gb/s Ethernet—enables cost optimized deployments in newly constructed data centers. This is especially true for the companies that will need server Interconnects that support 10 Gb/s Ethernet and beyond.

"The application of single-lane 25 Gb/s signaling technologies provides Ethernet with a solution set that can be re-used leveraging by those companies building the data centers of tomorrow. The new study group expects to lay the groundwork for a new Media Access Control (MAC) rate that will enable cost-optimized single-lane solutions that will increase network deployment efficiency," said Mark Nowell, chair of the IEEE 802.3 25 Gb/s Ethernet Study Group and senior director, Cisco Systems. "The heavy lifting in developing and standardizing 25 Gb/s signaling technologies has been done as part of the development of 100 Gb/s Ethernet. These technologies can be re-used leveraging to enable a single-lane 25 Gb/s Ethernet solution set for server Interconnects for these future data centers."

The ratification of IEEE 802.3ba™-2010 "Standard for Information Technology—Local and Metropolitan Networks for 40 Gb/s and 100 Gb/s Operation" introduced 4 x 25 Gb/s signaling as

a fundamental building block for 100 Gb/s Ethernet. Since then, the IEEE 802.3 Ethernet Working Group has expanded the use of this basic rate of signaling technology. IEEE 802.3bj™-2014 "Standard for Physical Layer Specifications and Management Parameters for 100 Gb/s Operation Over Backplanes and Copper Cables", based on 4 x 25 Gb/s electrical signaling, defines 100 Gb/s Ethernet Operation over backplanes and copper twin-axial cables. While currently in progress, the IEEE P802.3bm™ 40 Gb/s and 100 Gb/s Fiber Optic Task Force is drafting a standard that will define 4 x 25 Gb/s operation for signal traces for chip-to-chip and chip-to-module applications, as well as for 25Gb/s operation over four parallel multi-mode fibers.

"Manufacturers and suppliers require standards-based networking to enable and extend the industry's multi-vendor eco-system," said David Law, chair of the IEEE 802.3 Ethernet Working Group and distinguished engineer with HP Networking. "This study group will provide the opportunity to explore the possible development of a single-lane 25 Gb/s Ethernet standard supporting those application spaces needing cost-optimized performance beyond 10 Gb/s Ethernet for large scale deployments."

The IEEE 802.3 25 Gb/s Ethernet Study Group is seeking interested participants for the development of standards. For more information about the study group, please visit [XXX](#).

For more information on the IEEE 802.3 Ethernet Working Group, please visit <http://standards.ieee.org/develop/wg/WG802.3.html>.

To learn more about IEEE-SA, visit us on Facebook at <http://www.facebook.com/ieeesa>, follow us on Twitter at <http://www.twitter.com/ieeesa>, connect with us on LinkedIn at <http://www.linkedin.com/groups?gid=1791118> or on the Standards Insight Blog at <http://www.standardsinsight.com>.

About the IEEE Standards Association

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 900 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org/>.

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standards, and professional and educational activities, IEEE is the trusted voice on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Learn more at <http://www.ieee.org>.

###

DRAFT

Press release: IEEE 802.3 25Gb/s Ethernet Study Group formation

The IEEE 802 LMSC Executive Committee supports the IEEE 802.3 25Gb/s Ethernet Study Group formation press release IEEE_802-3_25Gbs_Study_Group_Press_Release_17JULY14_D4.pdf, with editorial license granted to the Chair (or his appointed agent).

M: Law, S: D'Ambrosia

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

* Motion #47	The IEEE 802 LMSC Executive Committee supports the IEEE 802.3 25Gb/s Ethernet Study Group formation press release IEEE_802-3_25Gbs_Study_Group_Press_Release_17JULY14_D4.pdf, with editorial license granted to the Chair (or his appointed agent).
Moved	Law
Second	D'Ambrosia
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.051

IEEE 802 July 2014 Plenary

7.052	II*	Liaison letter to ITU-T SG15: Ethernet preamble and mapping into GFP-F http://iee802.org/secmail/pdfx4aYIOFUUd.pdf	Law	0	04:33 PM
7.053	II*	Liaison letter to ITU-T SG15: New work item on Generic Information http://iee802.org/secmail/pdf_bh1RG9iSt.pdf	Law	0	04:33 PM

Approved with approval of agenda.

7.054	ME	Submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6	Law	5	04:33 PM
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Law presented the following slides

7.054 ME: Submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6

Submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6

The IEEE 802 LMSC Executive Committee approves the submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6 under the PSDO agreement.

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 84, N: 0, A: 2

* Motion #48	The IEEE 802 LMSC Executive Committee approves the submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6 under the PSDO agreement.
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.054

IEEE 802 July 2014 Plenary

7.06		IEEE 802.11			04:38 PM
7.061	ME	Liaison to ITU/IEC JTC1/SC6	Stephens	3	04:38 PM

Stephens presented the following slide

July 2014

doc.: IEEE 802.11-14/0849r3

7.061 - Liaison to ITU/IEC JTC1/SC6

- **Approve the liaising of the document cited below to SC6 as the IEEE 802 response to SC6 NB comments on the recent FDIS ballots on 802.11aa, 802.11ad, and 802.11ae.**
 - **Document:** <https://mentor.ieee.org/802.11/dcn/14/11-14-0552-01-0jtc-responses-on-802-11aa-ad-ae.pptx>
 - **In the WG: 50,0,0**
- **Moved: Adrian Stephens**
- **Seconded: Jon Rosdahl**

Submission

Slide 11

Adrian Stephens, Intel Corporation

* Motion #49	Approve the liaising of the document cited below to SC6 as the IEEE 802 response to SC6 NB comments on the recent FDIS ballots on 802.11aa, 802.11ad, and 802.11ae.
	<ul style="list-style-type: none">• Document: https://mentor.ieee.org/802.11/dcn/14/11-14-0552-01-0jtc-responses-on-802-11aa-ad-ae.pptx
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.061

IEEE 802 July 2014 Plenary

7.062	ME	Motion to send 802.11ac and 802.11af through the PSDO process	Stephens	3	04:41 PM
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Stephens presented the following slide

July 2014

doc.: IEEE 802.11-14/0849r3

7.062 - Motion- Send 802.11ac/af through PSDO

- **Motion**
 - *Submit IEEE Std 802.11ac-2013 and IEEE Std 802.11af-2013 to ISO/IEC JTC1/SC6 for ratification under the PSDO process*
 - In the WG: 60,0,0
- **Moved: Adrian Stephens**
- **Seconded: Jon Rosdahl**

Submission

Slide 12

Andrew Myles, Cisco

* Motion #50	Submit IEEE Std 802.11ac-2013 and IEEE Std 802.11af-2013 to ISO/IEC JTC1/SC6 for ratification under the PSDO process
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.062

IEEE 802 July 2014 Plenary

7.07	ME	IEEE 802.15	Heile		04:44 PM
7.08	ME	IEEE 802.16	Marks		04:44 PM
7.09	ME	IEEE 802.18			04:44 PM
7.091	ME*	Liaison to ITU-R WP5D Regarding Views on WirelessMan-Advanced out of band emissions. https://mentor.ieee.org/802.18/dcn/14/18-14-0048-02	Lynch	0	04:44 PM
7.092	ME*	Liaison on OOB information for WirelessMAN Advanced to ITU-R Working Party 5D https://mentor.ieee.org/802.18/dcn/14/18-14-0046-02	Lynch	0	04:44 PM

Approved with approval of agenda.

7.10		IEEE 802.19			04:44 PM
7.101	ME	Press Release: IEEE 802.19, Publication of IEEE 802.19.1 Standard	Shellhammer	5	04:44 PM

Shellhammer showed the proposed press release. (See next page.)

* Motion #51	Move to approve the Press Release on the publication of the IEEE 802.19.1 standard, provided in document P802.19-14/52R0
Moved	Shellhammer
Second	mody
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.101

July 2014

IEEE P802.19-14/0052r0

**IEEE P802.19
Wireless Coexistence**

Project	IEEE P802.19 Coexistence WG		
Title	Press Release on Publication of IEEE 802.19.1 Standard		
Date Submitted	[July 17, 2014]		
Source	[Stephen J. Shellhammer] [Qualcomm, Inc.] [5775 Morehouse Drive] [San Diego, CA 92121]	Voice: [(858) 658-1874] E-mail: [shellhammer@ieee.org]	
Re:	[]		
Abstract	[Notes from discussion during meeting]		
Purpose	[]		
Notice	This document has been prepared to assist the IEEE P802.19. 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.		
Release	The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.19.		

July 2014

IEEE P802.19-14/0052r0

IEEE Publishes Standard for Coexistence in the TV White Space

Contact:

Karen McCabe, IEEE-SA Marketing Director
+1 732-562-3824, k.mccabe@ieee.org

PISCATAWAY, N.J., USA, ~~XXXX~~ July 2014 -- The IEEE recently published the IEEE 802.19.1 standard for Coexistence in the TV White Space (TVWS). The standard specifies radio technology independent methods for coexistence among dissimilar or independently operated wireless networks, operating in TV white space. The standard leverages the cognitive radio capabilities of the TV white space devices, including geolocation awareness and access to information databases. The standard specifies a coexistence discovery and information server which gathers and provides coexistence information regarding TV white space networks. The standard also specifies a coexistence manager which utilizes the information from the coexistence server in order to enhance the coexistence of the TV white space networks. The standard defines common coexistence architecture and protocols, as well as several profiles to enable cost-efficient and flexible deployment of the coexistence system in various scenarios.

For more information on the IEEE 802.19 Wireless Coexistence Working Group, please visit <http://www.ieee802.org/19/>

To learn more about IEEE-SA, visit us on Facebook at <http://www.facebook.com/ieeesa>, follow us on Twitter at <http://www.twitter.com/ieeesa>, connect with us on LinkedIn at <http://www.linkedin.com/groups?gid=1791118> or on the Standards Insight Blog at <http://www.standardsinsight.com>.

About the IEEE Standards Association

The IEEE Standards Association, a globally recognized standards-setting body within IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 900 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org/>.

About IEEE

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#

7.11		IEEE 802			04:49 PM
7.111	II	Liaison Response from 1905.1	Nikolich	5	04:49 PM

Nikolich presented the following slide.

7.111 P1905.1 response to 802

From: "Rajkotia, Purva" <prajkoti@qca.qualcomm.com>
To: "Paul Nikolich" <paul.nikolich@att.net>
Cc: "dot00 VC1 Pat Thaler" <pthaler@broadcom.com>; "S.H.Kim@ieee.org" <S.H.Kim@ieee.org>
Sent: 7/18/2014 12:31:44 PM
Subject: RE: feedback on 802 request

Dear Paul,

WG did revisit IEEE 802's request to share WG draft.

WG was supportive of IEEE-SA's position to have the draft available for single sale purchase for any and all interested subject matter experts, to exercise openness and transparency of the WG

Thanks
Purva

The 802 Executive Committee discussed the above response. The 802 EC Chairman and the 802 EC consider the P1905.1 WG's response to be counter to the principle of operating in an open and collaborative manner because the WG continues to be non-responsive to the request to establish a formal bi-directional liaison between 802 and P1905.1.

Since the P1905.1 has ignored 802's request to establish a liaison since November 2013, the 802 EC assumes that request has been formally rejected by the P1905.1 Working Group. If the 1905.1 WG indicates it is ready to engage 802 in a formal bi-directional liaison relationship, 802 will re-start the discussion.

7.112	ME	Liaison to 3GPP	Shellhammer	3	04:54 PM
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Shellhammer presented the following

Background Information

IEEE 802.19 hosted a Liaison Drafting Meeting on Tuesday PM1. The participants drafted the liaison provided below. A straw poll of the participants was taken.

Straw Poll

Do you support the liaison to 3GPP?

Yes: 19

No: 1

Motion

Move to approve the following Liaison to 3GPP, and to grant the 802 chair editorial license.

Move: Steve Shellhammer

Second: Apurva Mody

Yes: 12

No: 0

Abstain: 1

Liaison

Dear Dino,

IEEE 802 LMSC would like to thank 3GPP TSG RAN for LS RP-140999. We would like to request that 3GPP notify IEEE 802 when the LTE in unlicensed band Study Item is approved. We would also appreciate it if 3GPP could provide the content of the approved Study Item to IEEE 802.

IEEE 802 would like to offer our experience and expertise regarding wireless coexistence in the unlicensed frequency bands, once the Study Item is approved.

Paul

Information on Next Steps

Straw Poll

Do you support developing a Draft Presentation on Coexistence Lesson Learned for 3GPP?

Yes: 18

No: 0

Action Item Shellhammer Send updated version of liaison to EC.

* Motion #52	Move to approve the following Liaison to 3GPP and grant the 802 chair editorial license.
Moved	Shellhammer
Second	Mody
Results	12-0-1
Motion	Passes
Reference	Agenda Item #7.112

8.00	II	Information Items			04:57 PM
8.01	II	IEEE 802 / SA Task Force Report	Nikolich	5	04:57 PM

Nikolich showed the following slide and gave verbal update.

8.01 802 Task Force

- 802 Task Force, Thurs 10:30AM-12:30 (room: Bankers Hill)

Tentative agenda

1. IEEE Internet Initiative, 15 min, McCabe
2. SA tools re-architecture status update, 15 min, Boyce
 1. Mentor
 2. Everything else
3. Web conferencing pilot program status—follow up on March Action Items, 5 min, Bennett/Rosdahl/Boyce
4. Follow up on March Action Items from 802/SA relevant EC workshop items (e.g., 07DEC 802/SA mtg, 22JAN EC discussion, etc.)15 min, Nikolich
- 5. 802/SA Roles and Responsibilities, 15 min, Gilb**
6. Status of IEEE feedback on indemnification clarification request, 15 min, Thompson
7. GetIEEE 802 program feedback from 802 constituents, 15 min, Nikolich
8. Action item review, 15 min, Nikolich/Stephens
9. Executive Session commences
 1. Get IEEE 802 program review, 30 minutes, Nikolich
10. Adjourn

2

Didn't complete 802/ SA Rules and Responsibilities

Both parties agreed in exec session to review the Get IEEE 802 program agreement

8.011	II	Get IEEE802 Report	Nikolich	10	05:02 PM
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Nikolich presented the following slides

8.011 GetIEEE 802 straw poll

Do you support the get802 program?

802.1 Y: 45 N: 0 A: 0

This spawned a discussion that took it to the next level, and resulted in another straw poll:

Would you support free open access to all 802 standards and work in progress? Y: 48 N: 0 A: 1

802.3 Y:156 N: 0 A: 14

802.11 Y: 57 N: 18 A: 5

The commentary was that the cost was too high, given the volume of downloads and the value that represents.

802.15 Y:39 N: 0 A: 0

802.16 no response

802.18 Y: 6 N: 0 A: 0

802.19 Y: 4 N: 1 A:4

802.21 no response

802.22 Y: 9 N: 0 A: 1

802.24 no response

Aggregate: Y 316 N: 19 A: 24

802.011

requested terms of 2015 agreement

2015 desired terms and conditions in order of preference:

1. Make all 802 standards and work in progress available at no charge
2. Make all drafts (i.e., all work in progress) available at no charge, keep standard availability at no charge after 6 months
3. Charge for drafts, make standards available at no charge with zero delay
4. No changes to the program
5. Terminate program

8.012	DT	Must IEEE 802 maintain private drafts?	Parsons	5	05:12 PM
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Parsons presented the following slide

8.012

Must we maintain private Drafts?

- 802 WG P&P
 - 6.5.1 Responsibility of chair:
 - 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.
- SASB OpsMan
 - 5.4.1 Balloting Group
 - Persons may also purchase the ballot draft for information only.
 - 6.1.3.1 Draft Copyright Statements
 - IEEE draft standard may be distributed without charge to the participants for that IEEE standards development project
 - 8.2 Publication of Drafts
 - Drafts of standards under development are normally distributed to members of the group involved in their generation (working group, subcommittee, etc.) for comment and letter ballot.

No?

It was noted that copyright statement placed on drafts limits their distribution.

IEEE 802 July 2014 Plenary

8.013	II	Indemnification Inquiry Status Update	Law	5	05:17 PM
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Law presented the following response document sent to him by the IEEE-SA. Soo Kim confirmed that the material presented by David Law was public.

16 July 2014

IEEE-SA Responses to IEEE 802[®] EC Queries on White Papers

On April 21, 2014, the IEEE 802 EC requested clarification on specific issues with regard to activities surrounding their development of white papers, including when these activities would be considered "duly authorized."

Question Presented:

IEEE 802 EC wanted to know what constituted a "duly authorized activity," and what mechanisms would be needed to determine whether an activity was "duly authorized" as an IEEE-SA activity. Apart from the general question, three specific questions were subsequently submitted with a request for clarification.

IEEE-SA Response:

Any duly authorized activity under the purview of the IEEE-SA has to be conducted within an IEEE-SA Program and approved by an IEEE-SA Board, or under IEEE-SA policies and procedures for that document's development managed by the IEEE-SA Managing Director. Any activities that do not fall under the purview of the IEEE-SA would then have to be developed in accordance with the IEEE Computer Society policies and procedures (as the IEEE 802 sponsor society). The IEEE-SA BoG provides oversight for standards-related activities in the IEEE, and if the intent is that there should be oversight by the IEEE-SA, then the development would have to be under IEEE-SA policies and procedures rather than under a particular Sponsor's policies and procedures. With regard to development of white papers within the IEEE-SA, the two processes that are currently available are the Industry Connections (IC) Program and programs overseen by the IEEE-SA Managing Director such as the IEEE Smart Grid Initiative. Indemnification by IEEE is available to claimants who were or are duly authorized volunteers engaged in duly authorized IEEE activities. Section I-300.3 of the IEEE Bylaws, available at www.ieee.org, sets forth the details of indemnification by IEEE.

Document Title (Verdana 10pt- Gray)

Date (Optional)

Responses to Specific Questions

1. **IEEE 802 EC:** It is stated that any activity under the purview of the IEEE-SA has to be conducted within an IEEE-SA Program and approved by an IEEE-SA Board. Please could you provide a definition of an 'IEEE-SA Program', or provide a list of the available IEEE-SA Programs an activity can be conducted within.

Currently, IEEE-SA Programs with oversight of the IEEE-SA BoG are those conducted by the IEEE-SA BoG and its committees and subcommittees. Current programs are a) SASB - all standards related activities (subject to the IEEE-SA Ops Man, IEEE-SASB Bylaws, and IEEE-SASB Ops Man), including the Industry Connections Program; b) Registration Authority Committee (RAC registries); CAG; SEC (jointly with Educational Activities); Standards Information Network (jointly with Publications).

2. **IEEE 802 EC:** It is stated that an activity can be conducted as part of a program overseen by the IEEE-SA Managing Director. Please could you explain the process under which an activity, such as the development of a white paper, is chartered under a program overseen by the IEEE-SA Managing Director, and the fact that this has happened is recorded.

Programs overseen by the IEEE-SA Managing Director are presented by the Managing Director to the IEEE-SA BoG so that they are aware of the activities. These programs are usually initiatives approved by the BoD or presented to the IEEE Management Council and reviewed during budget development or initiative development. Programs overseen by the IEEE-SA Managing Director are a) ICAP Fostering; b) Smart Grid; c) Internet Initiative; d) OpenStand.

3. **IEEE 802 EC:** Subclause 8.3 'Public statements for standards' and 8.4 'Informal communications' of the IEEE 802 LAN/MAN Standards Committee (LMSC) Policies and Procedures, which have been approved by the IEEE-SA Standards Board, allows the IEEE 802 as the sponsor, and its subgroups, to issue public statements. A white paper seems to be one form of public statement by the Sponsor, or by a subgroup. Please could you supply the definition of a "Public statements for standards" (subclause 8.3) or "Sponsor public statements" (subclause 8.4) if this is not the case.

It is possible to make public statements within a white paper or other documents/media. It doesn't matter the medium of the public statement, it has to comply with the appropriate IEEE policies and procedures. Public statements are actually governed at the higher level by IEEE Policies (see Section 15). Position statements are a type of public statement with stricter rules governing them. The IEEE-SA policies on position statements (see 6.5 of the IEEE-SA Ops Man) comply with the IEEE Policies 15.3 for organizational units, and indicate how these statements become approved by the IEEE-SA. If position statements do not go through the IEEE-SA process, then they could be accomplished under another organizational unit's policies (e.g., TAB and the society rules). However, in the IEEE-SASB Ops Man it states, "Approval from the IEEE-SA BOG shall be obtained prior to a Sponsor requesting another IEEE entity (as defined in Section 15 of the IEEE Policies) to offer a position statement on a standards matter." Note that all activities have to comply with the IEEE Code of Ethics.

Page | 2

Action Item D'Ambrosia to post IEEE-SA document regarding Indemnification

IEEE 802 July 2014 Plenary

8.02	II	IEEE SA Staff Reports		5	05:22 PM
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8.03		Standing Committee Reports			05:27 PM
8.031	II	JTC1 ad-hoc report	Myles	0	05:27 PM
8.032	II	Regulatory report	Lynch	3	05:27 PM

Lynch gave verbal update.

- There were 13 liaison or informational documents received from three ITU-R Working Parties (WP) – WP1A, WP5A and WP5D. There were 2 reply liaisons sent in response (18-14-0046-02 for WP5D and 18-14-0048-00 for WP5A.)
- 802.18 reviewed the latest version of the ITU-R WP1A PDNR response to ITU-R Recommendation 236/1. WP1A, at their June meeting, took the IEEE 802 contribution (18-13-0117-06) as their basic text. WP1A has requested a review and response from 802 by 31 December.
- 802.18 took the decision not to participate in the September wireless interim to be held in Athens. This decision had nothing to do with the location but the inability of the core 802.18 participants to attend.
- The meeting approved the 802.18 chair convening conference calls to deal with regulatory matters that come up between Plenary sessions. The first call will be 30 days after the 802.18 meeting closed on 18 July and will be bi-weekly after that. Web-x will be available.

IEEE 802 July 2014 Plenary

8.033	II	802 / ITU Standing Committee Report	Parsons	5	05:30 PM
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Parsons gave verbal update of the following presentation and showed the following slides from it. URL:
<https://mentor.ieee.org/802-ec/dcn/14/ec-14-0051-01-INTL-itu-standing-committee-agenda-july-2014.pdf>



1

IEEE 802 EC ITU standing committee

Glenn Parsons - Ericsson

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+1 613 963 8141

July 2014

Mentor DCN: EC-14-0051-01-INTL 7/16/2014

Agenda for July meeting

- Role of this standing committee
- IEEE membership in ITU
- IEEE – ITU agreements
- IEEE-SA BOG International SDO advisory group
- Global Standards Collaboration
- IEEE Technology Governance – path to Plenipot
- ITU past conferences - policy & governance
 - TSB Director's IPR adhoc
 - ITU-T TSAG & RevCom
 - ITU-D WTDC
 - ITU WSIS+10
- ITU future conferences - policy & governance
 - TSB Director's IPR adhoc
 - ITU Plenipotentiary
- IEEE Internet Initiative
- IEEE 802 position

Next steps?

- IEEE 802 can provide input to IEEE-SA on future ITU meetings
 - Input would be to the BOG International SDO advisory group
- ITU SC Conference calls
 - Sept 15 2pm ET - <https://join.me/407-064-868>
 - Oct 13 2pm ET - <https://join.me/439-817-921>
 - Review of ITU SC lead topics and staff proposed contributions
 - Discuss IEEE 802 position, if any

8.034	MI	Formation: Wireless Chairs Standing Committee	Stephens	5	05:35 PM
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Stephens presented the following slide.

July 2014

doc.: IEEE 802.11-14/0849r3

8.034 - Formation of Wireless Chairs' SC Motion 1

- **Create an IEEE 802 executive committee (EC) standing committee (SC) called the "Wireless Chairs Standing Committee" (WC SC)**
 - with Scope and Duties as defined in document ec-14-0036r2
 - that is responsible for "Assisting the sponsor", as described in the LMSC P&P 5.6

- **Moved: Adrian Stephens**
- **Seconded: Bob Heile**

Submission

Slide 13

Adrian Stephens, Intel Corporation

* Motion #53	Create an IEEE 802 executive committee (EC) standing committee (SC) called the "Wireless Chairs Standing Committee" (WC SC) with Scope and Duties as defined in document ec-14-0036r2 that is responsible for "Assisting the sponsor", as described in the LMSC P&P 5.6
Moved	Stephens
Second	Heile
Results	12-0-1
Motion	Passes
Reference	Agenda Item #8.034

IEEE 802 July 2014 Plenary

8.035	MI	Confirmation: Wireless Chairs Standing Committee Chair	Stephens	5	05:40 PM
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Stephens presented the following slide.

July 2014

doc.: IEEE 802.11-14/0849r3

8.035 - Formation of Wireless Chairs' SC Motion 2

- **Confirm** <enter name here> as the chair of the Wireless Chairs Standing Committee.

- **Moved: Adrian Stephens**
- **Seconded:**

Submission

Slide 14

Adrian Stephens, Intel Corporation

slide to be replaced

* Motion #54	Confirm Bob Heile as the chair of the Wireless Chairs Standing Committee.
Moved	Stephens,
Second	Rosdahl
Results	12-0-1
Motion	Passes
Reference	Agenda Item #8.035

IEEE 802 July 2014 Plenary

8.036	II	802 / IETF Standing Committee Report	Thaler	5	05:45 PM
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Thaler gave verbal report.

The revision of RFC4441 on IEEE / IETF Relationship has been published. The number is RFC7241.

Thaler recommended that a reflector be set up that is specific to the IEEE / IETF Standing Committee.

Action Item – Parsons to address setting up standing committee reflectors (Parsons / Thaler)

Thaler recommendation – set up a teleconference prior to Plenary / IETF meeting to discuss issues that were coming up.

8.04	II	Officers Reports		5	05:50 PM
8.041	II	1st Vice Chair Report	Thaler	1	05:55 PM

Thaler gave verbal update of “Emerging Applications” BoF. General discussion from the EC Members regarding their likes / dislikes of the event and feedback that they had received.

8.042	II	2nd Vice Chair Report	Gilb	1	05:56 PM
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Gilb gave verbal update noting that approved changes to rules will be implemented and updates loaded onto the IEEE 802 web site.

8.043	II	Treasurer's Report	Chaplin / Rosdahl	5	05:57 PM
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Rosdahl presented treasurer's report on behalf of Chaplin.

Treasurer's Report

2014-07-18

2014 T2 (May-Aug)

2014 T2 (May-Aug) Overview Estimate

Meeting Surplus/Loss	\$19,900.00
NNA Venue Setaside	\$86,700.00
Other Income	\$400.00
Other Expenses	0.00
Other NNA Expenses	(\$2,339.15)
Foreign Currency Gain/Loss	\$0.00

Net Change	\$104,660.85
Singapore Funds	SGD 215,337.17
Singapore Funds USD	\$171,538.86
As of 2014-04-30	

2014 T2 Meeting Results Estimate

Meeting Result	
Meeting Income	\$534,275.00
NNA Venue Setaside	-\$86,700.00
Meeting Expense	-\$427,675.00
Meeting Surplus/Loss	\$19,900.00
Sponsorships	\$0.00
Net Meeting Surplus/Loss	\$19,900.00

2014 T2 Other Income Estimate

Other Income	
Interest	\$400.00
Total Other Income	\$400.00

2014 T2 Other Expenses Estimate

Other Expenses	
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
	\$0.00
Total Other Expense	\$0.00

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
	\$0.00
Total Other NNA Expense	-\$2,339.15

2014 T2 Reserve Estimate

Reserves	Beginning	Change	End
USD General Reserve	\$884,666.87	\$20,300.00	\$904,966.87
NNA Reserve	-\$164,309.94	\$84,360.85	-\$79,949.09
General + NNA Reserve	\$720,356.93	\$104,660.85	\$825,017.78
Petty Cash	\$2,000.00	\$0.00	\$2,000.00
General + NNA + Petty Cash	\$722,356.93	\$104,660.85	\$827,017.78
Singapore Funds USD	\$171,538.86	\$0.00	\$171,538.86
Total Reserves	\$893,895.79	\$104,660.85	\$998,556.64

2014 T2 Committed Reserves Estimate

Committed Reserves	
Total Committed Reserves	\$0.00

“Deadbeat”

One attendee had his registration fee charged back. He did attend the meeting, and has been requested for payment. The charge that was charged back was on a card not owned by the attendee; it is possible the card owner did not remember the charge being made. The card owner is also being contacted.

Chargebacks cost us, and if we incur too many chargebacks we can lose the card service.

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

8.044	II	Executive secretary report	Rosdahl	5	06:02 PM
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Rosdahl presented the following slide and gave a verbal update.

July 2013

doc.: IEEE EC-14/0044r4

II 8.034 Executive secretary report

LMSC 802 – P&P list of major duties:

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

Chairs Guideline list of major duties:

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

IEEE 802 July 2014 Plenary

8.045	II	Recording Secretary Report	D'Ambrosia	1	06:07 PM
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D'Ambrosia gave verbal update on efforts related to the development of a CSD repository.

8.046	II*	Appeals report -No items to report	D'Ambrosia	0	06:08 PM
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8.05	II	Network Services report	Alfvín	3	06:08 PM
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No issues to report.

8.06	II*	Announcement of 802 EC Interim Telecon, Tuesday 7 Oct 2014 1-3pm ET, doc EC-14/044r02	Rosdahl	0	06:11 PM
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8.07	II*	Call for Tutorials for Nov 2014 Plenary (Monday, Nov 3, 2014), doc EC-14/044r02	Rosdahl	0	06:11 PM
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Meeting adjourned 5:57pm.

IEEE 802 July 2014 Plenary

Action Item Summary

- | | | |
|-------------|------------------|---|
| Item #3.041 | Myles | Provide recommendation regarding IEEE 802 HoD in case Kraemer cannot fulfill this role. |
| Item #4.04 | Rosdahl | Lead further discussion on reflector about use of time in relation to tutorials. |
| Item #4.04 | Nikolich | Schedule EC meeting for next plenary venue space allocation planning 7 to 8 am. |
| Item #6.11 | Gilb / Thaler | Review rules regarding teleconferences for EC Study Groups |
| Item #7.112 | Shellhammer | Send updated version of liaison to EC. |
| Item #8.013 | D'Ambrosia | Post IEEE-SA document regarding Indemnification. |
| Item #8.036 | Parsons / Thaler | Set up standing committee reflectors. |

IEEE 802 July 2014 Plenary

Motions Summary

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

* Motion #2	Motion to confirm Marks as 802.16 chair
Moved	Gilb
Second	Das
Results	12-0-1
Motion	Passes
Reference	Agenda Item #3.01

* Motion #3	Motion to confirm Bim as 802.16 vicechair
Moved	Gilb
Second	Marks
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.02

* Motion #4	Motion to confirm Lee as 802.21 vice-chair
Moved	Gilb
Second	Rosdahl
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.03

* Motion #5	<i>The IEEE 802 EC empowers the IEEE 802 Chair be to appoint the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014</i>
Moved	Marks
Second	Gilb
Results	13-0-0
Motion	passes
Reference	Agenda Item #3.041

IEEE 802 July 2014 Plenary

* Motion #6	<p>The IEEE 802 EC authorises the IEEE 802 HoD to the ISO/IEC JTC1/SC6 meeting in London in October 2014 to:</p> <ul style="list-style-type: none">• <i>Appoint the IEEE 802 delegation</i>• <i>Approve any necessary submissions</i>• <i>Call any necessary preparation teleconferences</i>
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #3.042

* Motion #7	<p>The EC approves the changes described in document ec-14-0035-02, slides 5-10, to the IEEE 802 LMSC Working Group Policies & Procedures</p>
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

* Motion #8	<ul style="list-style-type: none">• The EC approves the changes described in document ec-14-0035-02, slide 12, to the IEEE 802 LMSC Working Group Policies & Procedures
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

* Motion #9	<p>The EC approves the changes described in document ec-14-0035-02, slides 14-15, to the IEEE 802 LMSC Chair's Guidelines</p>
Moved	Gilb
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #3.05

IEEE 802 July 2014 Plenary

* Motion #10	Approve Grand Hyatt San Antonio, San Antonio, TX as site for the IEEE 802 Plenary Session Nov 6-11, 2016.
Moved	Rosdahl
Second	Heile
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.021

* Motion #11	Approve Hilton Waikoloa Village as site for the IEEE 802 Plenary Session Nov 10-15, 2019, and authorize the IEEE 802 Exec Secretary to complete the contract preparation and IEEE contract execution.
Moved	Rosdahl
Second	Heile
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.022

* Motion #12	Motion to approve the formation of the Network RFP AdHoc with the following EC Members: 1. Jon Rosdahl (AdHoc Chair) 2. Heile 3. Gilb 4. Nikolich 5. Chaplin
Moved	Rosdahl
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.024

* Motion #13	Move to approve the 2014 Workshop on Nov 8 th , 2014 to be held in San Antonio, TX. Apurva and Sabir to be the Workshop leaders.
Moved	D'Ambrosia
Second	Gilb
Results	11-1-0
Motion	carries
Reference	Agenda Item #4.05

IEEE 802 July 2014 Plenary

* Motion #14	Approve the CSD (https://mentor.ieee.org/802.21/dcn/12/21-12-0017-01-0000-group-management-5c.pdf) and forward the IEEE P802.21d for Sponsor Ballot
Moved	Das
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.011

* Motion #15	EC Approves submission of the P802.22.3 PAR as contained in Document 22-14-0075 Rev4 with editorial change in the name from 'Spectrum Occupancy Sensing' to 'Spectrum Characterization and Occupancy Sensing' as shown in Document 22-14-0075 Rev5
Moved	Mody
Second	Shellhammer
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.021

* Motion #16	802.1 requests EC approval to forward the proposed PAR for P802.1ARce – Secure Device Identity – Amendment 1: SHA-384 and P-384 Elliptic Curve to NesCom.
Moved	Parsons
Second	Thaler
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.031

* Motion #17	802.1 requests EC approval to forward the proposed PAR for P802.1AEcg – MAC Security – Amendment: Ethernet Data Encryption devices to NesCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.032

* Motion #18	The EC confirms the CSD for P802.1AEcg http://www.ieee802.org/1/files/public/docs2014/cg-draft-aecg-csd-0714-v3.pdf
Moved	Parsons
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #5.032

IEEE 802 July 2014 Plenary

* Motion #19	The EC confirms the CSD for P802.1ARce <input type="checkbox"/>
	http://www.ieee802.org/1/files/public/docs2014/ce-draft-arce-csd-0514-v2.pdf
Moved	Parsons
Second	Thaler
Results	12-0-1
Motion	Passes
Reference	Agenda Item #5.031

* Motion #20	802.1 requests EC approval to forward 802.1AS-Cor2 PAR to NesCom.
Moved	Parsons
Second	Thaler
Results	12-0-1
Motion	Passes
Reference	Agenda Item #5.033

* Motion #21	802.1 requests EC approval to forward 802.1AB-Rev PAR to NesCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.034

* Motion #22	802.1 requests EC approval to forward 802.1AB-Cor2 D0.0 to Sponsor Ballot.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.035

* Motion #23	802.1 requests EC approval to submit P802.1Xbx D1.6 to RevCom for approval as an IEEE Standard.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.036

IEEE 802 July 2014 Plenary

* Motion #24	The EC confirms the 5C http://www.ieee802.org/1/files/public/docs2012/new-ax-rev-draft-5c-0112.pdf and grants conditional approval to submit P802.1AX-REV to RevCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.037

* Motion #25	EC grants conditional approval to submit P802.1Q-REV to RevCom.
Moved	Parsons
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.038

* Motion #26	The IEEE 802 LMSC Executive Committee approves the IEEE P802.3bw CSD responses and forwards the IEEE P802.3bw PAR to NesCom
Moved	Law
Second	D'Ambrosia
Results	12-0-1
Motion	passes
Reference	Agenda Item #5.041

* Motion #27	The IEEE 802 LMSC Executive Committee forwards the IEEE P802.3 (IEEE 802.3bx) Standard for Ethernet revision PAR to NesCom
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.042

IEEE 802 July 2014 Plenary

* Motion #28	Approve sending the PAR extension request in the PAR document cited below for P802.11ah to NesCom And confirm the PAR and CSD cited below: PAR document: https://mentor.ieee.org/802.11/dcn/14/11-14-0590-01-00ah-tgah-par-extension.docx CSD document: https://mentor.ieee.org/802.11/dcn/14/11-14-0591-00-00ah-tgah-revised-csd.docx
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.051

* Motion #29	Approve sending the PAR extension request in the PAR document cited below for P802.11ai to NesCom And confirm the PAR and 5C cited below: PAR document: https://mentor.ieee.org/802.11/dcn/14/11-14-0653-02-00ai-tgai-par-extension.docx 5C document: https://mentor.ieee.org/802.11/dcn/10/11-10-1153-00-0fia-fast-initial-link-set-up-5c.doc
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.052

* Motion #30	Move that 802EC approve the PAR (15-13-0615-08-0sru-sru-working-draft-par) as modified by the Comment Resolutions (15-14-0462-00-0sru-repsonsess-to-802-15-4s-par-csd-comments) and CSD (15-14-0175-05-0sru-working-draft-of-sg-sru-csd) and authorize the 802.15 Working Group to forward the PAR to NesCom for approval.
Moved	Heile
Second	Gilb
Results	12-0-0
Motion	passes
Reference	Agenda Item #5.061

* Motion #31	To grant conditional approval, per Clause 12 of the IEEE 802 Operations Manual, to forward P802.16q (under 5C IEEE 802.16-12-0394-06) for Sponsor Ballot
Moved	Marks
Second	Das
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.071

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* Motion #32	That the IEEE 802 EC approves changing the scope of IEEE 802.24 TAG to the scope in document 24-14-0016-04 and the process for forming new task groups within IEEE 802.24 TAG as described in document 24-14-0016-04
Moved	Gilb
Second	D'Ambrosia
Results	10-0-0
Motion	Passes
Reference	Agenda Item #6.031

* Motion #33	The IEEE 802 EC approves the formation of the Smart Grid Task Group in IEEE 802.24 with the scope given in document 24-14-0015-04.
Moved	Gilb
Second	Heile
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.032

* Motion #34	EC confirms Document 22-14-0061 Rev6 as the CSD for the P802.22.3 PAR on Spectrum Characterization and Occupancy Sensing with editorial change in the name from 'Spectrum Occupancy Sensing' to 'Spectrum Characterization and Occupancy Sensing' as shown in Document 22-14-0061 Rev7
Moved	Moody
Second	Shellhammer
Results	13-0-0
Motion	passes
Reference	Agenda Item #6.021

* Motion #35	IEEE 802 EC approves Second Extension for the Spectrum Occupancy Sensing (SOS) Standardization Study Group under the IEEE 802.22 working group
Moved	Moody
Second	Shellhammer
Results	13-0-0
Motion	passes
Reference	Agenda Item #6.021

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* Motion #36	The IEEE 802 LMSC Executive Committee grants approval for the formation of the IEEE 802.3 25 Gigabit/s Ethernet over a single lane for server interconnects Study Group within IEEE 802.3
Moved	Law
Second	D'Ambrosia
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.053

* Motion #37	Approve the formation of the 802.11 Study Group to investigate the feasibility of substantially increasing the data rates of 802.11 in the 60 GHz frequency band [as described in the document cited below] with the intent of creating a PAR and CSD (including five criteria).
Moved	stephens
Second	rosdahl
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.061

* Motion #38	Request the 802EC approve the renewal of the Optical Camera Communications Study Group in 802.15 for another cycle.
Moved	Heile
Second	Gilb
Results	12-0-1
Motion	passes
Reference	Agenda Item #6.071

* Motion #39	Request the 802EC approve the renewal of the Spectrum Resource Utilization Study Group in 802.15 for another cycle.
Moved	Heile
Second	Gilb
Results	13-0-0
Motion	passes
Reference	Agenda Item #6.072

* Motion #40	To initiate an IEEE 802 EC Privacy Recommendation Study Group, with Juan Carlos Zuniga as Chair
Moved	D'Ambrosia
Second	Rosdahl
Results	7-5-1
Motion	Passes
Reference	Agenda Item #6.11

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* Motion #41	EC Approves Document ec-14-0052-INTL Rev1 as a Liaison Response to ISO JTC1 SC6 for the FDIS 60 Days Ballot Comments on the IEEE Std. 802.22-2011.
Moved	Mody
Second	Shellhammer
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.021

* Motion #42	EC Approves Document ec-14-0053-INTL Rev1 as a Liaison Request to Allocate the Revision Responsibility of the ISO/IEC/IEEE 8802-22 Standards to the IEEE 802.22 WG
Moved	Mody
Second	Shellhammer
Results	13-0-0
Motion	passes
Reference	Agenda Item # 7.022

* Motion #43	EC grants approval to forward IEEE Std 802.1Xbx (following publication) to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
Moved	Parsons
Second	Thaler
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.041

* Motion #44	EC grants approval to forward 802.1AX-Rev to ISO/IEC JTC1 SC6, for information under the PSDO agreement.
Moved	Parsons
Second	Lynch
Results	13-0-0
Motion	
Reference	Agenda Item #7.042

* Motion #45	EC grants approval to forward Std 802.1Q-Rev, once published, to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement after publication by IEEE.
Moved	Parsons
Second	Lynch
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.043

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* Motion #46	EC grants approval to forward Std 802 to ISO/IEC JTC1 SC6, for ratification under the PSDO agreement.
Moved	Parsons
Second	Gilb
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.044

* Motion #47	The IEEE 802 LMSC Executive Committee supports the IEEE 802.3 25Gb/s Ethernet Study Group formation press release IEEE_802-3_25Gbs_Study_Group_Press_Release_17JULY14_D4.pdf, with editorial license granted to the Chair (or his appointed agent).
Moved	Law
Second	DÁmbrosia
Results	12-0-0
Motion	passes
Reference	Agenda Item #7.051

* Motion #48	The IEEE 802 LMSC Executive Committee approves the submission of IEEE Std 802.3.1-2013 for adoption by ISO/IEC JTC1 SC6 under the PSDO agreement.
Moved	Law
Second	DÁmbrosia
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.054

* Motion #49	Approve the liaising of the document cited below to SC6 as the IEEE 802 response to SC6 NB comments on the recent FDIS ballots on 802.11aa, 802.11ad, and 802.11ae. <ul style="list-style-type: none">Document: https://mentor.ieee.org/802.11/dcn/14/11-14-0552-01-0jtc-responses-on-802-11aa-ad-ae.pptx
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.061

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* Motion #50	Submit IEEE Std 802.11ac-2013 and IEEE Std 802.11af-2013 to ISO/IEC JTC1/SC6 for ratification under the PSDO process
Moved	Stephens
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.062

* Motion #51	Move to approve the Press Release on the publication of the IEEE 802.19.1 standard, provided in document P802.19-14/52R0
Moved	Shellhammer
Second	mody
Results	13-0-0
Motion	passes
Reference	Agenda Item #7.101

* Motion #52	Move to approve the following Liaison to 3GPP and grant the 802 chair editorial license.
Moved	Shellhammer
Second	Mody
Results	12-0-1
Motion	Passes
Reference	Agenda Item #7.112

* Motion #53	Create an IEEE 802 executive committee (EC) standing committee (SC) called the "Wireless Chairs Standing Committee" (WC SC) with Scope and Duties as defined in document ec-14-0036r2 that is responsible for "Assisting the sponsor", as described in the LMSC P&P 5.6
Moved	Stephens
Second	Heile
Results	12-0-1
Motion	Passes
Reference	Agenda Item #8.034

* Motion #54	Confirm Bob Heile as the chair of the Wireless Chairs Standing Committee.
Moved	Stephens,
Second	Rosdahl
Results	12-0-1
Motion	Passes
Reference	Agenda Item #8.035

