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

Friday, March 16, 2011 – 1:00 p.m.
All times Hawaii-Aleutian Standard Time (HAST)

Waikoloa, HI

EC members present:
Paul Nikolich – Chair, IEEE 802 LAN / MAN Standards Committee
Pat Thaler – First Vice Chair, IEEE 802 LAN / MAN Standards Committee
Mat Sherman – Second Vice Chair, IEEE 802 LAN / MAN Standards Committee
James Gilb – Recording Secretary, IEEE 802 LAN / MAN Standards Committee
Jon Rosdahl – Executive Secretary, IEEE 802 LAN / MAN Standards Committee
Bob Grow – Treasurer, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree – Chair, IEEE 802.1 – HILI Working Group
David Law – Chair, IEEE 802.3 – CSMA/CD Working Group
Bruce Kraemer – 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 RAN Working Group
Geoff Thompson – Member Emeritus (non voting)
Buzz Rigsbee – Meeting Planner, Member Emeritus (non-voting)

EC members absent:
John Lemon – Chair (non-voting), IEEE 802.17 Resilient Packet Ring Working Group
Mark Klerer – Chair (non-voting), IEEE 802.20 Mobile Broadband Wireless Access Working Group

Meeting called to order at 1:00 pm.

v02	DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
	Friday 1:00PM-6:00PM			

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

	Special Orders			
	Category (* = consent agenda)			

1.00		MEETING CALLED TO ORDER	Nikolich	1	01:00 PM

2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	9	01:01 PM

Motion is to approve the agenda, ec-12-0010-02-00EC-March-2012-closing-agenda.ods

Moved by Sherman, seconded by Law

No disucssion

Vote is 13/0/0, agenda is approved.

v02		DRAFT AGENDA – IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
		Friday 1:00PM-6:00PM			
Key:		ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item			
		Special Orders			
		Category (* = consent agenda)			
1.00		**MEETING CALLED TO ORDER**	Nikolich	1	01:00 PM
2.00	MI	**APPROVE OR MODIFY AGENDA**	Nikolich	9	01:01 PM
3.00	II	**Announcements from the Chair**	Nikolich	1	01:10 PM
3.01	MI	**WG and TAG Officer Confirmation**	Nikolich	30	01:11 PM
3.02	MI	**Confirmation of EC appointed positions**	Nikolich	30	01:41 PM
3.03	MI	**EC Chair Election**	Thaler	5	02:11 PM
3.04	II	**Recognition of outgoing EC members**	Nikolich	10	02:16 PM
4.00		**LMSC Internal business**			02:26 PM
4.01	MI	**Network services contract approval**	Rosdahl	5	02:26 PM
4.02	MI	**Rule modifications to LMSC P&P, LMSC OM and LMSC WG P&P**	Sherman	15	02:31 PM
4.03	MI	**Motion for outgoing liaison to JTC1 SC6**	Kraemer	5	02:46 PM
4.04					02:51 PM
4.05	II	**IEEE 802 EC Interim Teleconference, 5 June 2012, 1300-1500 Eastern Daylight Time**	Rosdahl	3	02:51 PM
4.06					02:54 PM
4.07					02:54 PM
5.00		**IEEE Standards Board and Sponsor Ballot Items**			02:54 PM
5.01	ME	**802.1BR forward to RevCom**	Jeffree	5	02:54 PM
5.02	ME	**802.1Qbg forward to RevCom**	Jeffree	5	02:59 PM
5.03	ME	**802.1aq forward to RevCom**	Jeffree	5	03:04 PM
5.04	ME	**802.1AXbk forward to RevCom**	Jeffree	5	03:09 PM
5.05	MI	**802.1AC forward to Sponsor ballot**	Jeffree	5	03:14 PM
5.06	ME	**802.1AX-rev, revision to 802.1AX link aggregation, forward to NesCom**	Jeffree	5	03:19 PM
5.07	ME	**802.1Qbu, amendment for frame preemption, forward to NesCom**	Jeffree	5	03:24 PM
5.08	ME	**802.1Qbv, amendment for enhancements for scheduled traffic, forward to NesCom**	Jeffree	5	03:29 PM
5.09	ME	**802.1AEbw, amendment for extended packet numbering, forward to NesCom**	Jeffree	5	03:34 PM
5.10	ME	**802.1Xbx, amendment for MAC security key agreement protocol (MKA) extensions, forward to NesCom**	Jeffree	5	03:39 PM
5.11					03:44 PM
5.12					03:44 PM
5.13	ME	**802.3bk, amendment for extended Ethernet Passive Optical Networks (ExEPON), forward to NesCom**	Law	5	03:44 PM
5.14					03:49 PM
5.15					03:49 PM
5.16	ME	**802.15.4n amendment for China medical band, forward to NesCom**	Heile	5	03:49 PM
5.17	ME	**802.15.4p amendment for positive train control (PTC), forward to NesCom**	Heile	5	03:54 PM
5.18	ME	**802.15.8 new standard for peer aware communications (PAC), forward to NesCom**	Heile	5	03:59 PM
5.19					04:04 PM
5.20					04:04 PM
5.21	ME	**802.16REV3 forward to RevCom (conditional)**	Marks	5	04:04 PM
5.22	ME	**802.16.1 forward to RevCom (conditional)**	Marks	5	04:09 PM
5.23	ME	**802.16p forward to RevCom (conditional)**	Marks	5	04:14 PM
5.24	ME	**802.16.1b forward to RevCom (conditional)**	Marks	5	04:19 PM
5.25					04:24 PM
5.26					04:24 PM
5.27					04:24 PM
5.28	ME	**802.21d amendment for multicast group management, forward to NesCom**	Das	5	04:24 PM
5.29					04:29 PM
5.30		**Break**		10	04:29 PM

5.31					04:39 PM
6.00		**Executive Committee Study Groups, Working Groups, TAGs**			04:39 PM
6.01	MI	802.16 Broadband wireless access metrology (new SG)	Marks	5	04:39 PM
6.02	MI	802.16 WirelessMAN radio interface in heterogeneous networks (new SG)	Marks	10	04:44 PM
6.03	MI	802.3 Next Generation 100 Gb/s Optical Ethernet Study Group change of scope	Law	3	04:54 PM
6.04	MI	802.3 Next Gen 100 Gb/s Optical Ethernet Study Group (2nd extension).	Law	3	04:57 PM
6.05	MI*	802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (1st extension).	Law	0	05:00 PM
6.06	MI	802.3 Reduced Pair 1 Gb/s Ethernet, new SG	Law	3	05:00 PM
6.07	MI	802.3 Extended EPON PMD Study Group (2nd extension).	Law	3	05:03 PM
6.08					05:06 PM
6.09					05:06 PM
6.10	MI	802 SmartGrid new ECSG	Gilb	10	05:06 PM
6.11	MI*	802.11 Infrastructure discovery (1st ext)	Kraemer	0	05:16 PM
6.12	MI*	802.11 China mmWave SG (1st ext)	Kraemer	0	05:16 PM
6.13	MI*	802.15 Peer aware communications (1st ext)	Heile	0	05:16 PM
6.14	MI*	802.15 Communication requirements for Positive Train Control (1st ext)	Heile	0	05:16 PM
6.15	MI*	802.15 Medical applications in unlicensed bands in China (1st ext)	Heile	0	05:16 PM
6.16	MI	802.15 Ultra Low Power (ULP) for 802.15.4 (new SG)	Heile	5	05:16 PM
6.17	MI	802.21 Service discovery (new SG)	Das	5	05:21 PM
6.18					05:26 PM
7.00		**LMSC Liaisons and External Interface**			05:26 PM
7.01	ME	Interpretation request 1-03/12 response: Annex 86A nPPI - XLPPI - CPPI electrical parameter	Law	3	05:26 PM
7.02	II	Liaison letter to ITU-T SG 15: Response to G.epon letter and draft (information item based on item 7.05 of November 2011 minutes)	Law	3	05:29 PM
7.03	II	Status update on BWA adhoc.	Law	3	05:32 PM
7.04	ME*	P802.22b PAR approval press release	Mody	0	05:35 PM
7.05	ME	EC reaffirms its nomination of John Messenger as the IEEE representative to ITU-T.	Jeffree	3	05:35 PM
7.06	II	802.1 Liaison contributions to IETF	Jeffree	3	05:38 PM
7.07	ME	Approve 18-12-0030-02-0000 IEEE 802 position on worldwide license exempt usage of TVWS.	Lynch	10	05:41 PM
7.08	ME	Approve 18-12-0028-01-0000 response to liaison from ITU-R WP5D.	Lynch	3	05:51 PM
7.09	ME	Approve 18-12-0031-01-0000 submission to ITU-R.	Lynch	3	05:54 PM
7.10	ME	Approve 18-12-0032-02-0000 liaison statement to ITU-R WP5A.	Lynch	3	05:57 PM
7.11	ME	Approve 18-12-0033-02-0000 reply to comments on Progeny LMS	Lynch	3	06:00 PM
7.12	ME	Approve interpretation request for 802.11.	Kraemer	3	06:03 PM
8.00		**IEEE SA items**			06:06 PM
8.01					06:06 PM
8.02					06:06 PM
9.00		**Information Items**			06:06 PM
9.01	II	Update on upcoming venues – Geneva, July 2013	Roshdahl	5	06:06 PM
9.02	DT	Future plenary location discussion	Rigsbee	10	06:11 PM
9.03	II	JTC1 ad-hoc report	Myles	5	06:21 PM
9.04	II	802 EC Nov 2011 Workshop update	Rosdahl	10	06:26 PM
9.05	II	802 Overview and Architecture report	Gilb	3	06:36 PM
9.06	II	Treasurer's report	Grow	3	06:39 PM
9.07	II	Regulatory report	Lynch	3	06:42 PM
9.08	II	Executive secretary report	Rosdahl	5	06:45 PM
9.09	II	802 EC Membership poll on fees, services, and locations	Rosdahl	10	06:50 PM
9.10	II	Appeals report	Gilb	5	07:00 PM
9.11	II	Network Services report	Alfvin	5	07:05 PM
9.12	II	Last act of outgoing 2nd Vice Chair	Sherman	5	05:57 PM
10.00		ADJOURN SEC MEETING	Nikolich		06:00 PM

3.00	II	Announcements from the Chair	Nikolich	1	01:05 PM

No announcements from the chair.

3.01	MI	WG and TAG Officer Confirmation	Nikolich	30	01:06 PM

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slide 1-2

Motion is to confirm John Lemon as 802.17 Chair (Hibernating)

No discussion.

Vote is 13/0/0, John Lemon is confrmed as 802.17 Chair (Hibernating)

Motion is to confirm Radhakrishna Canchi as 802.20 Chair (Hibernating)

Gilb states that he has received Canchi's documentation via email just prior to the meeting.

Vote is 13/0/0, Radhakrishna Canchi is confirmed as 802.20 Chair (Hibernating)

802 EC officer confirmations

March 2012

WG/TAG officer confirmations

- ## 802.17 (Hibernating)
  - Chair: John Lemon
    EC Vote: Yes: No: Abs:

- ## 802.20 (Hibernating)
  - Chair: Radhakrishna Canchi

    defer confirmation to EC email ballot (because Nikolich forgot to ask Canchi to sign his endorsement letter)

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slide 3

Lynch is not present, approval is deferred.

Gilb stated that Reede has not submitted either a letter of endorsement or a letter of affiliation.

Nikolich stated that the confirmation of Reede would be taken up later on an email ballot after the letters were available.

Motion is to confirm Steve Shellhammer as 802.19 Chair

No discussion

Vote is 11/0/1, Steve Shellhammer is confirmed as 802.19 Chair.

Motion is to confirm Subir Das as 802.21 Chair and Anthony Chan as 802.21 Vice Chair

Gilb states that Chan had submitted the letter of endorsement and the letter of affiliation just before the meeting.

Vote is 12/0/1, Subir Das is confirmed as 802.21 chair and Anthony Chan is confirmed as 802.21 Vice Chair

WG/TAG officer confirmations

- 802.18
  - Chair: Mike Lynch 3-0-0, unopposed
    EC Vote--Yes: No: Abs:
    defer confirmation to EC email ballot (pending receipt of endorsement letter)
  - Vice Chair: no one elected

- 802.19
  - Chair: Steve Shellhammer 13-0-1, unopposed
  - Vice Chair: Ivan Reede 13-0-1, unopposed
    EC Vote-- Yes: No: Abs:
    defer confirmation to EC email ballot (pending receipt of endorsement letter)

- 802.21
  - Chair: Subir Das 08-0-0, unopposed
    EC Vote-- Yes: No: Abs:
  - Vice Chair: Anthony Chan 08-0-0, unopposed
    defer confirmation to EC email ballot (pending receipt of endorsement letter)

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slide 4

Motion is to confirm Bob Heile as 802.15 Chair, Rick Alfvin as 802.15 Vice Chair and Pat Kinney as 802.15 Vice Chair.

No discussion

Vote is 12/0/1, Bob Heile is confirmed as 802.15 Chair, Rick Alfvin is confirmed as 802.15 Vice Chair and Pat Kinney is confirmed as 802.15 Vice Chair.

Motion is to confirm Roger Marks as 802.16 Chair.

Marks says that he hopes to get a Vice Chair by May.

Vote is 12/0/1, Roger Marks is confirmed as 802.16 Chair.

Motion is to confirm David Law as 802.3 Chair and Wael Diab as 802.3 Vice Chair

No discussion

Vote is 12/0/1, David Law is confirmed as 802.3 Chair and Wael Diab is confirmed as 802.3 Vice Chair

WG/TAG officer confirmations

- 802.15
  - Chair: Bob Heile 43-1-0, unopposed
  - Vice Chair: Rick Alfvin 43-1-0, unopposed
  - Vice Chair: Pat Kinney 43-1-0, unopposed
    EC Vote--Yes: No: Abs:

- 802.16
  - Chair: Roger Marks 29, Other: none
    EC Vote--Yes: No: Abs:
  - Vice Chair: no one elected

- 802.3
  - Chair: David Law 105-0, unopposed
  - Vice Chair: Wael Diab 101-0, unopposed
    EC Vote--Yes: No: Abs:

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slide 5

Gilb states that Glenn Parsons' endorsement letter is missing Parsons' signature and he has not submitted an affiliation letter.

Nikolich says that he will defer 802.1 to allow Parsons to submit paperwork.

Motion is to confirm Bruce Kraemer as 802.11 Chair, Jon Rosdahl as 802.11 1st Vice Chair and Adrian Stephens as 802.11 2nd Vice Chair.

No discussion.

Vote is 12/0/2, Bruce Kraemer is confirmed as 802.11 Chair, Jon Rosdahl is confirmed as 802.11 1st Vice Chair and Adrian Stephens is confirmed as 802.11 2nd Vice Chair.

Motion is to confirm Apurva Mody as 802.22 Chair and Antony Franklin as 802.22 Vice Chair

Marks wanted to make sure that Franklin's first name was spelled correctly.

Gilb confirmed that the first name is spelled correctly.

Vote is 13/0/1, Apurva Mody is confirmed as 802.22 Chair and Antony Franklin is confirmed as 802.22 Vice Chair.

Gilb states that Parsons has submitted the correct letters.

Motion is to confirm Tony Jeffree as 802.1 Chair and Glenn Parsons as 802.1 Vice Chair.

No discussion,

Vote is 13/0/1 Tony Jeffree is confirmed as 802.1 Chair and Glenn Parsons is confirmed as 802.1 Vice Chair.

Gilb states that Lynch has just submitted the correct letters.

Motion is to confirm Mike Lynch as 802.18 Chair (no vice chair nominee).

Gilb asks if there were only 3 members of 802.18 participating.

Lynch stated that only 3 voted (Lynch, as chair did not vote). During the week they had 11 people present in a meeting to discuss the Progeny issue.

No further discussion.

Vote is 13/0/1, Mike Lynch is confirmed as 802.18 Chair

WG/TAG officer confirmations

- 802.1 Tony confirmed 14/0/1
  - Chair: Tony Jeffree 36-0-0, unopposed
    EC Vote--Yes: No: Abs:
  - Vice Chair: 2 candidates
    - Glenn Parsons 29, John Messenger 7
      defer confirmation to EC email ballot (pending receipt of endorsement letter)

- 802.11
  - Chair: Bruce Kraemer 113/0/0, unopposed
  - 2nd Vice Chair: Adrian Stephens 109/0/0, unopposed
  - 1st Vice Chair: Jon Rosdahl 106/1/0, unopposed
    EC Vote--Yes: No: Abs:

3.02	MI	Confirmation of EC appointed positions	Nikolich	30	01:19 PM

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slide 6-7

Motion is to confirm Pat Thaler as 1st Vice Chair

No discussion.

Vote is 13/0/1, Pat Thaler is confirmed as 1st Vice Chair

Motion is to confirm James Gilb as 2nd Vice Chair

Shellhammer asked if Gilb would stop bothering the EC as Recording Secretary.

Gilb stated that there would be a seamless transition and that nothing would change.

Vote is 13/0/1, James Gilb is confirmed as 2nd Vice Chair

Thaler asked if we should have elected the EC chair prior to approving the appointed positions.

Nikolich said that he felt that the appointed positions should approved first as he is currently the 802 Chair.

Das requested that we elect the Chair first.

Nikolich asked if there were any objections to running the election for the EC chair now.

Marks said that we can change the agenda, but regardless of the vote, Nikolich will still be the one to appoint the other officers.

Nikolich asked if there were any objections to moving the EC Chair election prior to the confirmation of the appointed positions.

No objections

3.03	MI	EC Chair Election	Thaler	5	01:30 PM

Thaler took over as chair. She asked if there are any other nominations. There were no other nominations.

Motion is to elect Paul Nikolich as 802 Chair.

Vote is 13/0/1, Paul Nikolich is elected as the 802 Chair.

Nikolich took over as chair again.

Motion is to confirm Clint Chaplin as 802 Treasurer.

Vote is 14/0/0, Clint Chaplin is confirmed as 802 Treasurer.

Motion is to confirm John D'Ambrosia as 802 Recording Secretary

No discussion

Vote is 14/0/0, John D'Ambrosia is confirmed as 802 Recording Secretary

Motion is to confirm Geoff Thompson as Member Emeritus

Deferred until a letter is available.

Appointed EC officer confirmations

- 1st Vice Chair
  - Patricia Thaler
    EC Vote--Yes: No: Abs:
- 2nd Vice Chair
  - James Gilb
    EC Vote--Yes: No: Abs:
- Treasurer
  - Clint Chaplin
    EC Vote--Yes: No: Abs:
- Recording Secretary
  - John D'Ambrosia
    EC Vote--Yes: No: Abs:
- Member Emeritus, 802 Advisor
  - Geoff Thompson
    defer confirmation to EC email ballot (pending receipt of endorsement letter)

Member Emeritus, 802 Advisor

ADVISOR, MEMBER EMERITUS RESPONSIBILITIES

1) Provide advice and guidance to the EC chair and all EC members on all matters before the EC

(especially on controversial and difficult topics)

2) Fulfill assignments from the EC chair based on need covering a wide scope of activities: LMSC

items, the IEEE SA Staff, Standards Board and Board of Governor's items; and international

standards development items.

3) Act as a mentor to WG/TAG members and leaders, especially for new Groups

4) Note this is a non-voting EC position

Nikolich presents 2012MAR 802 EC officer confirmations.pdf, slides 8-10

Nikolich begins discussion on the 802Executive Secretary and 802 Member Emeritus, Meeting Manager. Nikolich presents the descriptions of the responsibilities for the two positions.

Jeffree requests that "sign" be removed from Meeting Manager and placed instead in the Executive Secretary. He also thinks that we should get some help for Rigsbee with scheduling non-NA/non-US venues.

Rosdahl said that in the P&P, only the Executive Secretary is the signing authority. Rosdahl said that in the minutes, splitting the responsibilities two years ago, it gave Rigsbee the tools to make the deals. There is a rule change in process to change from oversight to signing after there is an actual motion. They are fixing the controls and there should be less surprises in the future.

Jeffree doesn't think we can fix this in this meeting and should defer this confirmation until it is fixed.

Rosdahl said that in 2008, the motion was that nNA venues were to have a host. He also said that there was a poll that indicated that Hawaii would be acceptable as an nNA venue.

Jeffree said that c) does not require there to be any oversight and agreement. As the wording currently stands, we do not have enough control.

Rigsbee said that when we split the job, there was a conflict between the chair's guidelines and the P&P. There was discussion if we should put the responsibilities in the P&P or in another document.

Sherman said that the two issues (rules and confirmation) should be separate.

Heile agreed with Sherman.

Shellhammer asked if the job descriptions are part of the vote.

Nikolich said that it would be part of the minutes to remind us of the decision we made and it would be part of the motion.

Thaler said it would be only clear if it was part of the motion. We could put something in between "and" and "sign" about approval from the EC.

Das asked where this description of the responsibilities of the positions would go.

Nikolich said that it is in the Chair's guidelines.

Kraemer said that this is an important issue in 802.11. He agrees that having a position with a set of responsibilities is the correct way to do it. He would like some additional confirmation that all the rules changes will get done.

Marks disputed earlier statements that the Chair has no responsibilities to sign on behalf of the Sponsor, noting that the OM specifies that "When a signature is required on behalf of the Sponsor, the Sponsor Chair provides that signature when authorized by the Sponsor." Marks also noted that the information displayed on the screen and indicated to be from the Chair's Guidelines is not, according to his research, contained in the Chair's Guidelines. He stated that the current Chair's Guidelines does specify that the Meeting Manager has signing authority for agreements, but he believes that, since the Chair's Guidelines is an informal document with no status with the procedural hierarchy of governing documents, it is not the right place to specify signature authority. He proposes confirming Rigsbee as Member Emeritus per the P&P, noting, however, that "Meeting Manager" is not specified in the P&P or OM.

Law agrees with Marks and Kraemer. This is causing a large amount of angst in 802.3. This needs to be resolved. The IEEE SA is the only entity that has signing authority.

Thompson said that he is getting flack even though he is not able to vote. It is causing problems in our constituency. He asked if the two people were working on meeting location venues based on inputs from the EC or from their polls of the 802 constituencies. If signatures are involved, then there are significant obligations being made outside of our decision process.

Grow agrees with Marks that responsibilities of this magnitude do not belong in non-normative documents. These responsibilities are clearly in the baseline P&P and AudCom believes they belong there. He favors only confirming Rigsbee as Member Emeritus

Gilb said that he is opposed to anyone other than the Treasurer, Executive Secretary or Chair having signature authority. He feels that Rosdahl is readily available and so having him sign should not be a problem.

Nikolich proposes removing the responsibilities slides and approving only the positions 802 Executive Secretary and

Member Emeritus.

Shellhammer said that we have a good definition of 802 Executive Secretary.

There is a question of what happens if we do not confirm Rosdahl as 802 Executive Secretary.

Gilb read from the rules "If an election or appointment is not confirmed by the Sponsor, the person last holding the position will continue to serve until confirmation of an election or appointment is achieved. Should that person be unable or unwilling to serve, the position may be left vacant, or filled by temporary appointment by the Sponsor Chair."

Motion is to confirm Rosdahl as 802 Executive Secretary.

Moved by Marks, seconded by Shellhammer.

Jeffree moved to table the motion.

Nikolich asked for a second for the motion to table, no one seconded the motion to table.

Jeffree asked if the job descriptions were part vote.

Nikolich stated that job description are not part of the motion.

Vote is 13/0/1, Rosdahl is confirmed as 802 Executive Secretary

Motion is to confirm Rigsbee as Member Emeritus as defined in the 802 LMSC P&P.

Moved by Marks, seconded by Heile.

Kraemer wanted to clarify that there are no specific responsibilities listed in the P&P for Member Emeritus.

Law said that previous responsibilities that we saw have been removed.

Vote is 14/0/0, Rigsbee is confirmed as Member Emeritus as defined in LMSC P&P

Jeffree, Chaplin, Gilb and Heile will work with Rosdahl and Rigsbee to develop the roles and responsibilities for the positions.

Marks would like to acknowledge the Meeting Manager role and values Rigsbee's past contributions. He will be handicapped until we get this fixed.

Nikolich said that we owe Rigsbee a clear definition, he provides immeasurable value.

Rosdahl the information in the poll was not for making decisions, but rather that the memory of what happened changes. We use polls to provide information to the EC for the EC to make decisions. He requested that any changes be ready by the interim EC conference call.

Appointed EC officer confirmations

- Executive Secretary
  - Jon Rosdahl
    EC Vote--Yes: No: Abs:

- Member Emeritus, Meeting Manager
  - Buzz Rigsbee
    EC Vote--Yes: No: Abs:

Executive Secretary Responsibilities

- 3.4.5 Executive Secretary

The Executive Secretary shall:

a) Oversee all activities related to Sponsor sponsored meeting facilities and services

b) With the treasurer, ensure that Sponsor sponsored sessions are compliant with IEEE financial policies

c) Present summaries of venue options to the Sponsor and sign approved proposals on behalf of 802

d) Coordinate with CSP (Conference Service Providers) and Sponsor Chair on major decisions

e) Oversee maintenance of Sponsor Registration Database

Additional responsibilities:

- Oversee the Meeting Manager and assist in LMSC sponsored activities and services.
- Lead efficiency improvements in the LMSC Standards Development Process
    - Consider, Propose, Test, Evaluate and Explore tools, methods and means to improve meeting efficiency

Meeting Manager Responsibilities

The IEEE-802 LMSC Meeting Manager shall:

a) Supervise and manage all activities related to LMSC sponsored meeting facilities and services.

b) With the LMSC Treasurer, ensure that LMSC sponsored sessions conform to IEEE financial policies.

c) Manage LMSC service provider selection process, negotiate and sign* all service provider agreements on behalf of LMSC, supervise service delivery conformance to agreement, and perform agreement maintenance.

d) Present summaries of venue options to the LMSC EC and sign selected contracts on behalf of LMSC.

e) Coordinate with MSP (Meeting Services Providers) and LMSC Chair & Treasurer on major decisions.

f) Report to LMSC EC on matters of interest related to Session Planning and Operations.

* add in parenthesis: "(note: in addition, the Executive Secretary shall co-sign per the 802 P&P)"

| 3.04 | II | Recognition of outgoing EC members | Nikolich | 10 | 02:20 PM |

Nikolich recognized Grow as our outgoing Treasurer (for the second time). He appreciated Grow stepping in to take over for when the previous Treasurer had to leave suddenly. Nikolich presented Grow with a pen made from local wood by a local artist with an inscription thanking him for his work.

The EC applauded Grow's contributions to 802.

Nikolich recognized Sherman for more than 10 years service in a thankless job. Nikolich then thanked Sherman. Nikolich presented Sherman with a plaque containing part of the cover pages from the LMSC P&P and LMSC OM, signed by members of 802.

The EC applauded Sherman's contributions to 802.

Mody thanked Sherman for being a colleague, mentor and friend at BAE.

| 4.00 | | **LMSC Internal business** | | | |
| 4.01 | MI | Network services contract approval | Rosdahl | 5 | 02:26 PM |

Rosdahl said that the motion is to approve the Network Services contract with Verilan with Rosdahl's name replacing Rigsbee's name in the signature section.

Moved by Rosdahl, seconded by Grow

Kraemer asked what the approval process is.

Rosdahl said that the EC has to approve the contract. Rosdahl signs the contract and it is sent to IEEE procurement. The IEEE CFO then signs off on the document and a PO is created. Then it is sent for another signature to approve the contract.

Shellhammer asked if there were any differences between the old contract and the current contract.

Rosdahl said that these were discussed in Executive Session.

Vote 14/0/0, motions passes

| 4.02 | MI | Rule modifications to LMSC P&P, LMSC OM and LMSC WG P&P | Sherman | 15 | 02:31 PM |

Sherman presents ec-12-0005-03-00EC-ieee-802-lmsc-rules-changes-for-march-2012.ppt

Motion is to approve the revisions to the IEEE 802 LMSC P&P, IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P contained in document "ec-12-0005-03-00EC-IEEE 802 LMSC Rules Changes for March 2012.doc".

Moved Sherman, seconded by Rosdahl

Vote 14/0/0, motion passes.

Sherman presents ec-12-0008-01-00EC-more-proposed-changes-to-p-p-and-om.pptx

Motion is to approve the revisions to the IEEE 802 LMSC P&P and IEEE 802 LMSC OM contained in document "ec-12-0008-01-00EC-more-proposed-changes-to-p-p-and-om.pptx".

Moved by Sherman, seconded by Rosdahl

Rosdahl noted that the first document contained Sherman's action items while the second contained action items from Rosdahl, Diab and others.

Vote is 14/0/0, motion passes

IEEE 802
Executive Committee

Proposed IEEE 802 LMSC Rules Changes				
Date: 2012-03-16				
Author(s):				
Name	**Affiliation**	**Address**	**Phone**	**email**
Matthew Sherman	BAE Systems	Wayne, NJ	973-636-7510	**matthew.sherman@baesystems.com**

Abstract

The proposed document contains proposed Rules changes for the March 2012 IEEE 802 LMSC Plenary.

Proposed changes to the IEEE 802 LMSC P&P:

Modifications to Scope statement:

In Subclause 1.1 replace:

"The scope of the LMSC is to develop and maintain networking standards and recommended practices for local, metropolitan, and other area networks, using an open and accredited process, and to advocate them on a global basis."

With:

"The scope of the IEEE 802 LMSC is to develop and maintain standards, recommended practices and guides for local, metropolitan, and other area networks, using an open and accredited process, and to advocate them on a global basis. Its technical scope is intended to be flexible and is ultimately determined by the sum of its approved PARs. "

Correction to Cross Reference:

In Subclause 4.1 replace:

"c) Recognition that the individual is expected to act in accordance with the conditions stated in subclause 5.1 of the IEEE 802 Operations Manual dealing with voting "as both a professional and as an individual expert. ""

With:

"c) Recognition that the individual is expected to act in accordance with the conditions stated in subclause 6.1 of the IEEE 802 Operations Manual dealing with voting "as both a professional and as an individual expert.""

Proposed changes to the IEEE 802 LMSC OM:

Clarification to recirculation requirements following Conditional approval:

In Clause 14 replace:

"Seeking conditional approval is only appropriate when ballot resolution efforts have been substantially completed and the approval ratio is sufficient. The conditional approval expires at the opening of the next plenary."

With:

" 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. If the requirements for conditional approval have not been met at end of that recirculation ballot, then one subsequent recirculation ballot may be conducted in an attempt to meet the conditional approval conditions. If the conditions are not met by the subsequent recirculation ballot, the conditional approval terminates. Conditional approval expires at the opening of the next plenary. "

Proposed changes to the IEEE 802 LMSC WG P&P:

Clarification to WG officer term limits exemption:

In Subclasue 6.2 After:

The term for all WG officers ends at the close of the first plenary session of each even numbered year. Elected officers maintain their offices until the next election opportunity unless they resign, are removed for cause, or are unable to serve for another reason.

Insert:

"An officer who wishes to run for election who has held the office for five (5) or more full or partial terms shall seek permission from the working group. Any full or partial terms for that office count towards this requirement even if not held consecutively. Permission to run shall be sought at the plenary session prior to the session when the election will be held."

In Subclasue 9.3 Replace:

> "e) Permit officer to run for election who has held the office for five (5) or more partial terms"

With:

> "e) Permit an officer to run for election who has held the office for five (5) or more full or partial terms. "

More Proposed Changes to P&P and OM

Date: 2012-03-11

Authors:

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

Agenda Slide 1 Jon Rosdahl, CSR

Abstract

4 Proposed Changes to the LMSC OM and one change to the LMSC P&P.

Some of these proposed changes stem from discussions during the Nov 2011 EC Workshop.

Agenda Slide 2 Jon Rosdahl, CSR

- **Pursuant to 4.1.4 of the LMSC Op Man:**
  "4.1.4 Revision of the IEEE 802 LMSC OM and IEEE 802 LMSCWG P&P

  This OM and the IEEE 802 LMSC WG P&P may be revised as follows.

  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 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.
  "

Agenda   Slide 3   Jon Rosdahl, CSR

Proposed Change 1

- **OM- 5.2.1(2nd paragraph):**
  – correct/remove redundant typo:

  Change
      "…an IEEE 802 IEEE 802 LMSC WG operating with treasury"
  To
      "…an IEEE 802 LMSC WG operating with treasury**"**

Agenda   Slide 4   Jon Rosdahl, CSR

Proposed Change 2

- **OM-5.2.3:**
  - remove redundant line with incorrect reference:

  - Delete "a) The Host complied with the definition of a host in subclause 4.2.1 of this OM "

Proposed Change 3

- **OM – 7:**

Remove clause 7 as Interpretations are no longer done by Sponsors in the IEEE-SA.
   " 7. Interpretations
    Interpretations shall be approved by at least a 75% approval vote of the Sponsor subgroup that generated the document being interpreted, or a group determined by the Sponsor if such a subgroup does not exist. "

Proposed Change 4

- **Proposal for a rule change to provide guidance for future regional choice of venues.**
- **OM - Add new clause**
  5.1.1.2 IEEE 802 LMSC Plenary Venue selection

  The IEEE 802 LMSC Executive Secretary presents proposed plenary venues to the Sponsor. Proposed plenary venues shall consist of different regions of the world. Each year there shall be at least one plenary that is both outside the United States and the North American continent.

  The venue and date for each plenary session shall be approved by the Sponsor prior to signing venue-related commitments on behalf of the IEEE 802 LMSC."

Current requirements of Exec Secretary

- LMSC P&P -- **3.4.5 Executive Secretary**

The Executive Secretary shall:

  a) Oversee all activities related to Sponsor sponsored meeting facilities and services

  b) With the treasurer, ensure that Sponsor sponsored sessions are compliant with IEEE financial policies

  c) Present summaries of venue options to the Sponsor, select venues under oversight of the Sponsor, and sign approved proposals on behalf of 802

  d) Coordinate with CSP (Conference Service Providers) and Sponsor Chair on major decisions

  e) Oversee maintenance of Sponsor Registration Database

  f) Provide public notice of upcoming plenary session.

Proposed Change 5

- **Proposal for a rule change to require venue selection be approved by the EC prior to contract signing.**

Change LMSC P&P 3.4.5 c)

"c) Present summaries of venue options to the Sponsor, select venues under oversight of the Sponsor, and sign approved proposals on behalf of 802 "

To

"c) Present summaries of venue options to the Sponsor, select venues with approval of the Sponsor, and sign approved proposals on behalf of 802.

Agenda   Slide 9   Jon Rosdahl, CSR

• Possible new 6.3 in OM:

A WG Chair who is unable to attend a Sponsor meeting may designate, by notification to the Sponsor Chair, a Vice Chair of that WG to act in place of the WG Chair.

In the absence of a WG Chair at a Sponsor meeting without prior notification, the Sponsor Chair should recognize a Vice Chair of that WG to act in place of the WG Chair.

Regardless of the above no individual may exercise more than one vote at Sponsor meetings.

Agenda   Slide 10   Jon Rosdahl, CSR

Existing text

12.5.2 Compatibility

IEEE 802 LMSC defines a family of standards. All standards should be in conformance with the IEEE 802.1 Architecture, Management, and Interworking documents as follows: IEEE 802.1 Overview and Architecture, IEEE 802.1D, IEEE 802.1Q, and parts of IEEE 802.1F. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with IEEE 802.1.

Each standard in the IEEE 802 LMSC family of standards shall include a definition of managed objects that are compatible with systems management standards.

Agenda   Slide 11   Jon Rosdahl, CSR

Proposed replacement text

12.5.2 Compatibility

IEEE 802 LMSC defines a family of standards. All standards should be in conformance with IEEE Std 802, IEEE Std 802.1D, and IEEE Std 802.1Q. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with the IEEE 802.1 Working Group. In order to demonstrate compatibility with this criterion, the Five Criteria statement must answer the following questions:

a) Does the PAR mandate that the standard will comply with IEEE Std 802, IEEE Std 802.1D, and IEEE Std 802.1Q?

b) If not, how will the Working Group ensure that the resulting draft standard is compliant or, if not, receives appropriate review from the IEEE 802.1 Working Group?

Agenda   Slide 12   Jon Rosdahl, CSR

References

LMSC P&P:

http://standards.ieee.org/board/aud/LMSC.pdf

LMSC OM:

http://ieee802.org/PNP/2010-07/IEEE_802_LMSC_OM_approved_100716.pdf

WG P&P:

http://ieee802.org/PNP/2010-07/IEEE_802_LMSC_WG_PandP_approved_100716.pdf

Workshop Action items:

Agenda Slide 13 Jon Rosdahl, CSR

Kraemer presented 11-12-0460-01, slides 7-8

Motion is Under clause 9.1.1 of the 802 OM, approve liaising to SC6 of the following:

- Pages 52-64 of 0299r6 to SC6 as responses to the questions from SC6 in N15226 and N15227, pending review and modification by IEEE SA of the answer to the question on page 63
- The draft agreement on page 72 of 0299r6
- Paul Nikolich be given authority to make editorial changes before arranging for the liaison of the final versions of the answers and draft agreement

Moved by Kraemer, seconded by Jeffree.

Marks asked if this was an IEEE position.

Kraemer said that this is an 802 position and it is narrowly defined as an IEEE 802 position. The term MOU was provided by SC6, we were careful not to use the term MOU and are not modifying the PSDO agreement.

Myles (Cisco Systems) said that the pending SA review is a legal question that will be resolved by IEEE staff. This is a positive result in that they are willing to negotiate with us. Hopefully concluding by September.

He said that there have been many positive steps within SC6.

Vote is 14/0/0, motion passes

802 Operations Manual Reference

9.1 Procedure for Coordination with Other Standards Bodies

These procedures apply to communications with other standards bodies or similar entities.

9.1.1 IEEE 802 LMSC communications

• Communications from the IEEE 802 LMSC to external standards bodies shall not be released without prior approval by the Sponsor. Such approval indicates that the communication represents the position of IEEE 802 LMSC.

• All communications by IEEE 802 LMSC with external standards bodies shall be issued by the IEEE 802 LMSC Chair and shall be copied to the Sponsor.

SC6 Liaison Motion

- **Motion**
  - Under clause 9.1.1 of the 802 OM, approve liaising to SC6 of the following:
    - Pages 52-64 of 0299r6 to SC6 as responses to the questions from SC6 in N15226 and N15227, pending review and modification by IEEE SA of the answer to the question on page 63
    - The draft agreement on page 72 of 0299r6
    - Paul Nikolich be given authority to make editorial changes before arranging for the liaison of the final versions of the answers and draft agreement

Rosdahl presents ec-12-0007-03, slides 12-13

Subir clarified that we can still add things to the agenda.

Rosdahl said yes, but that he is required to present a proposed agenda ahead of time.

4.05: IEEE 802 EC Interim Teleconference

- **802 EC Interim Conference calls are 1-3PM ET on the first Tuesday of FEB, JUN and OCT.**

  2012: 02FEB, 05JUN, 02OCT
  2013: 05FEB, 04JUN, 01OCT
  2014: 04FEB, 03JUN, 07OCT

802 EC Interim Teleconference: June 5, 2012 1-3PM ET

- **Draft Agenda:**
  - Welcome/Intro/Approve Agenda - Nikolich 4 min
  - Report: Single Sales Channel Update - Nikolich 3 min
  - Report: Pending Appeal - 802.15.6 - Nikolich 3 min
  - Report: Network Services Contract Status - Rosdahl 3 min
  - Discussion: Meeting Manager Job Description
    and proposed rule changes - Rosdahl 30 min
  - Report: July 2012 San Deigo Meeting Plans - Rosdahl 3 min
  - Report: July 2013 Geneva Meeting Plans - Rosdahl 4 min
  - Motion: 802.11 - Sponsor Ballot Completion - Kraemer 10 min
  - Update: November Workshop Action items - Kraemer 15 min
  - AOB 45 min

5.00		IEEE Standards Board and Sponsor Ballot Items			
5.01	ME	802.1BR forward to RevCom	Jeffree	5	02:50 PM Mot

Jeffree presents 2012-03-exec-motions.pptx, slide 4-5

Motion is 802.1 requests EC approval to forward P802.1BR to RevCom

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 13/0/0, motion is passes.

MOTION

- 802.1 requests EC approval to forward P802.1BR to RevCom
- Proposed: thaler
- Second: pelissier
- For__22__Against_0__Abstain__7__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1BR

- Ballot Open Date: 27-Feb-2012
- Ballot Close Date: 08-Mar-2012
- Type: New
- Draft #:   3.3
- Ballots Received: 1
- Comments: 5
- Must Be Satisfied Comments: 1
-
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
-
- 71 eligible people in this ballot group.
-
- 61   affirmative votes
- 0   negative votes with comments
- 0   negative votes without comments
- 4   abstention votes: (Lack of expertise: 1, Lack of time: 2, Other: 1)

- 65   votes received = 91% returned
-                                6% abstention
-
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 61   affirmative votes
- 0   negative votes with comments

- 61   votes = 100% affirmative

5.02	ME	802.1Qbg forward to RevCom	Jeffree	5	02:52 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 6-7

Motion is 802.1 requests EC approval to forward P802.1Qbg to RevCom

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 13/0/0, motion passes.

MOTION

- 802.1 requests EC approval to forward P802.1Qbg to RevCom.
- Proposed: thaler
- Second: congdon
- For_28___Against_0__Abstain__1__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1Qbg

- Ballot Open Date: 20-Feb-2012
- Ballot Close Date: 01-Mar-2012
- Type: New
- Draft #:   D2.2
- Ballots Received: 1
- Vote Changes: 1
- Comments: 1
- Must Be Satisfied Comments: 1
-
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
-
- 73 eligible people in this ballot group.
-
- 62   affirmative votes
- 0   negative votes with comments
- 0   negative votes without comments
- 4   abstention votes: (Lack of expertise: 1, Lack of time: 2, Other: 1)

- 66   votes received = 90% returned
-                            6% abstention
-
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 62   affirmative votes
- 0   negative votes with comments

- 62   votes = 100% affirmative

| 5.03 | ME | 802.1aq forward to RevCom | | Jeffree | 5 | 02:53 PM |

Jeffree presents 2012-03-exec-motions.pptx, slide 8-9

Motion is 802.1 requests EC approval to forward P802.1aq to RevCom

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 13/0/0, motion is approved.

MOTION

- 802.1 requests EC approval to submit P802.1aq to RevCom.

- Proposed: Haddock Second: Fedyk
- For_30___Against__0_Abstain__1__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1aq

- Ballot Open Date: 06-Feb-2012
- Ballot Close Date: 02-Mar-2012
- Type: New
- Draft #:   D4.6
- Ballots Received: 1
- Vote Changes: 1
- Comments: 1
- Must Be Satisfied Comments: 1
-
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
-
- 75 eligible people in this ballot group.
-
- 68   affirmative votes
- 0   negative votes with comments
- 0   negative votes without comments
- 3   abstention votes: (Lack of time: 2, Other: 1)

- 71   votes received = 94% returned
-                         4% abstention
-
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 68   affirmative votes
- 0   negative votes with comments

- 68   votes = 100% affirmative

| 5.04 | ME | 802.1AXbk forward to RevCom | Jeffree | 5 | 02:53 PM |

Jeffree presents 2012-03-exec-motions.pptx, slide 10-11

Motion is 802.1 requests EC approval to forward P802.1AXbk to RevCom

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 13/0/0, motion is approved.

MOTION

- 802.1 requests EC approval to submit P802.1AXbk to RevCom.

- Proposed: Haddock Second: Messenger
- For__31__Against__0_Abstain__1__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1AXbk

- Ballot Open Date: 21-Jan-2012
- Ballot Close Date: 05-Feb-2012
- Type: New
- Draft #:   D2.1
- Ballots Received: 1
- Comments: 1
- Must Be Satisfied Comments: 1
-
- RESPONSE RATE
- This ballot has met the 75% returned ballot requirement.
-
- 76 eligible people in this ballot group.
-
- 63   affirmative votes
- 0   negative votes with comments
- 0   negative votes without comments
- 4   abstention votes: (Lack of time: 4)

- 67   votes received = 88% returned
-                                   5% abstention
-
- APPROVAL RATE
- The 75% affirmation requirement is being met.
- 63   affirmative votes
- 0   negative votes with comments

- 63   votes = 100% affirmative

5.05	MI	802.1AC forward to Sponsor ballot	Jeffree	5	03:53 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 12-13

Motion is 802.1 requests EC approval to submit P802.1AC to Sponsor ballot

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 12/0/1, motion is approved.

MOTION

- 802.1 requests EC approval to submit P802.1AC to Sponsor Ballot.

- Proposed: Haddock Second: Messenger
- For_29___Against_0__Abstain__1__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1AC

- WG Recirc Ballot Close Date: 03-Feb-2012
- 15 responses received on the D1.5 WG recirculation ballot
- Stats are presented for the combination of D1.1, D1.2, D1.3 and D1.5 ballots
- 87 Voters – of which 53 have responded (61%)
- 28 Approve 100%
- 0 Disapprove 0%
- 25 Abstain 47%
- Ballot passed unanimously
- Disapprove voter breakdown:
- No new "No" votes associated with Disapprove ballots

5.06	ME	802.1AX-rev, revision to 802.1AX link aggregation, forward to NesCom	Jeffree	5	02:54 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 14-15

Motion is 802.1 requests EC approval to forward P802.1AX-REV (Link Aggregation) PAR to NesCom

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 14/0/0, motion is approved.

Motion

- 802.1 requests EC approval to forward the P802.1AX-REV (Link Aggregation) PAR to NesCom.

- Proposed: Haddock
  Second: Finn

- For__28__Against_0__Abstain_2___

- EC proposed: Jeffree   Second: Thaler

- For____Against___Abstain____

Supporting material: P802.1AX-REV

- No comments received

- No changes made to precirculated material

- PAR:

- http://grouper.ieee.org/groups/802/PARs/2012-03/new-ax-rev-draft-par-0112.pdf

- 5C:

- http://grouper.ieee.org/groups/802/PARs/2012-03/new-ax-rev-draft-5c-0112.pdf

Jeffree presents 2012-03-exec-motions.pptx, slide 16-17

Motion is 802.1 requests EC approval to forward P802.1Qbu (Frame Preemption) PAR to NesCom

Moved by Jeffree, seconded by Thaler

Thompson noted that this PAR requires a complimentary project in 802.3. In the CFI, the motion to create the complimentary SG failed. He felt it would be inappropriate to forward this PAR until 802.3 is able to resolve this issue. He also feels that there a solutions being developed now that may make this PAR unnecessary.

Rosdahl stated that 802.11 also provided questions. 802.11 expressed concerns similar to Thompson.

Grow wanted to echo many of the statements by Thompson. While it looked like they might be able to get resolution in 802.3 and feels it is premature at this time to approve this.

Thaler disagrees with what Thompson said. There are not solutions being developed now for the industrial case. While the ideal solution would be to involve 802.3, but there is a way to do some of it in 802.1 only. If 802.3 decides not to do something, then it is up to 802.1 to decide what to do.

Thompson said that there was interest in the group for dealing with the problem, but that there is no work currently underway in 802.3. 802.3 as a body felt that approach proposed by 802.1 was a conclusion too soon for the problem.

Law said that the proponents of the 802.3 SG in the CFI agreed to withdraw the motion, it did not fail a vote. He asked what the Layer 3 standard is that is related to 802.1AS. Answer is 1722. In RevCom they deleted the contingency on that standard. We need to be careful to put contingencies in when they may cause problems later on. Law is unsure if he is supportive of the motion.

Kraemer said that looking at the intent, it seems OK, but it seems strange to refer to 802.3 if 802.3 is not supportive of it. Is it possible to remove the contingency and allow it to go forward as a project. He said that it seems that it is not possible.

Jeffree stated that it appears that the solution may be part 802.1 and part 802.3. 802.1 recognizes that some of the work they do may be overtaken by subsequent work in 802.3 and that is OK, but it gives them a head start on getting the parts that need to be in 802.1.

Kraemer said that it appears that the work can continue without a PAR.

Jeffree said that in his view, the work requires a PAR to progress.

Vote is 6/4/4, motion is approved.

Paul handed over the chair to Thaler as he had to leave the room.

Motion

- 802.1 requests EC approval to forward the P802.1Qbu (Frame preemption) PAR to NesCom.
- Proposed: Johas Teener
  Second: Pannell
- For: 17 Against: 0 Abstain: 8

- EC Proposed: Jeffree Second: Thaler
- For: Against: Abstain:

Supporting material: P802.1Qbu

- Comments received from 802.3 and responded to
- Changes made to precirculated material
- PAR:
- http://ieee802.org/1/files/public/docs2012/new-p802-1qbu-draft-par-0312-v01.pdf
- 5C:
- http://ieee802.org/1/files/public/docs2012/new-p802-1qbu-draft-5c-0312-v01.pdf

5.08	ME	802.1Qbv, amendment for enhancements for scheduled traffic, forward to NesCom	Jeffree	5	03:11 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 18-19

Motion is 802.1 requests EC approval to forward P802.1Qbv (Scheduled traffic) PAR to NesCom

Moved by Jeffree seconded by Law

No discussion

Vote is 11/0/0, motion is approved.

Motion

- 802.1 requests EC approval to forward the P802.1Qbv (Scheduled traffic) PAR to NesCom.

- Proposed: Johas Teener
Second: Finn

- For: 21 Against: 0 Abstain: 7

- EC Proposed: Jeffree Second: Thaler

- For: Against: Abstain:

Supporting material: P802.1Qbv

- No comments received
- Changes made to precirculated material
- PAR:
- http://ieee802.org/1/files/public/docs2012/new-p802-1qbv-draft-par-0312-v01.pdf
- 5C:
- http://ieee802.org/1/files/public/docs2012/Qbv-pannell-draft-5C-0112-v03.pdf

5.09	ME	802.1AEbw, amendment for extended packet numbering, forward to NesCom	Jeffree	5	03:12 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 20-21

Motion is 802.1 requests EC approval to forward P802.1AEbw (MAC Security: Amendment- Extended packet numbering) to NesCom

Moved by Jeffree, seconded by Law

No discussion

Vote is 12/0/0, motion is approved.

MOTION

- 802.1 requests EC approval to forward the PAR for P802.1AEbw (MAC Security: Amendment— Extended Packet Numbering) to Nescom.
- Proposed: Seaman Second: Congdon
- For__22__Against__0_Abstain__6__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____
-

Supporting material: P802.1AEbw

- No comments received
- No changes made to precirculated material
- PAR:
- http://grouper.ieee.org/groups/802/PARs/2012-03/new-p802-1aebw-draft-par-0112.pdf
- 5C:
- http://grouper.ieee.org/groups/802/PARs/2012-03/new-p802-1aebw-draft-5c-0112.pdf

5.10	ME	802.1Xbx, amendment for MAC security key agreement protocol (MKA) extensions, forward to NesCom	Jeffree	5	03:13 PM

Jeffree presents 2012-03-exec-motions.pptx, slide 22-23

Motion is 802.1 requests EC approval to forward the PAR for P802.1Xbx (Port-Based Network Access Control: Amendment: — MAC Security Key Agreement protocol (MKA) extensions) to Nescom.

Moved by Jeffree, seconded by Law

No discussion

Vote is 12/0/0, motion is approved.

MOTION

- 802.1 requests EC approval to forward the PAR for P802.1Xbx (Port-Based Network Access Control: Amendment: — MAC Security Key Agreement protocol (MKA) extensions) to Nescom.
- Proposed: Seaman Second: Congdon
- For__25__Against__0_Abstain__6__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1Xbx

- Comments received and responded to.

- Changes made to the draft PAR

- PAR:

- http://ieee802.org/1/files/public/docs2012/new-p802-1xbx-draft-par-0112-v02.pdf

- 5C:

- http://grouper.ieee.org/groups/802/PARs/2012-03/new-p802-1xbx-draft-5c-0112.pdf

| 5.13 | ME | 802.3bk, amendment for extended Ethernet Passive Optical Networks (ExEPON), forward to NesCom | Law | 5 | 03:15 PM |

Law presents 802d3_0312_closing_EC.pdf, slides 16-17

Motion is that the EC approves the IEEE P802.3bk PAR and Five Criteria to remain on the March 2012 NesCom agenda.

Moved by Law, seconded by Grow

Thompson asked if they need to do a PAR modification when the base standard is approved as the title of the base standard is changing.

Law said that he did not know.

Vote is 12/0/0, motion passes

Nikolich returns to the room.

Thaler hands over the chair to Nikolich.

IEEE P802.3bk PAR and Five Criteria

- Title
  - Standard for Information technology--Standard for Information technology--Telecommunications and information exchange between systems--Local and metropolitan area networks--Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer Specifications and Management Parameters for Extended Ethernet Passive Optical Networks

- Draft PAR

  http://www.ieee802.org/3/EXTND_EPON/public/1203/ExEPON_1203_PAR_updated.pdf

- Draft 5C

  http://www.ieee802.org/3/EXTND_EPON/ExEPON_5Criteria_approved.pdf

- Changes from pre-circulated version
  - Unchanged from version circulated on Wednesday
    - Addition of 'optical' in front of 'power budget' and 'loss budget'

IEEE P802.3bk PAR and Five Criteria

- The EC approves the IEEE P802.3bk PAR and Five Criteria to remain on the March 2012 NesCom agenda.

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

   Working Group vote Y:54, N: 0, A: 1 (Nov 11)

   Working Group votes on approval of individual items:
   Project Authorization Request: Y: 52, N: 0, A: 2   (Nov 11)
                                        Y: 67, N: 1, A: 26 (Mar 12)

   Broad Market Potential criterion: Y: 52, N: 1, A: 9   (Nov 11)
   Compatibility criterion: Y: 51, N: 1, A: 4   (Nov 11)
   Distinct Identity criterion: Y: 55, N: 0, A: 5   (Nov 11)
   Technical Feasibility criterion: Y: 53, N: 0, A: 3   (Nov 11)
   Economic Feasibility criterion: Y: 50, N: 0, A: 7   (Nov 11)

| 5.16 | ME | 802.15.4n amendment for China medical band, forward to NesCom | Heile | 5 | 03:20 PM |

Heile presents 15-12-0194-00-0000, slides 3-6

Motion is Request that the EC grant approval to forward the PAR for the China Medical Band Amendment to 802.15.4 and contained in doc 15-12-0005-06 to NesCom

Moved by Heile, seconded by Gilb

No discussion

Vote is 12/0/0, motion passes.

802.15.4n PAR/5C- Response to Comments

From 802.11: Comments on 802.15.4n PAR

- Title: Add numeric range for band reject-Makes title unnecessarily wordy. Information is readily available in the amendment
- **Title: Is 802.15 using a new short version of titles? MyProject uses current official title – we have no discretion.**
- **5.2 Scope: delete ", if any, "accept**
- 5.5 **Need: Check title of Chinese Regulator reference. (Expected to see a SRRC reference)** Replace Chinese Radio Administration with Ministry of Industry and Information Technology of the Peoples Republic of China. SRRC is no longer used.
- **5.5 expand first use of Acronym "**Medical Body Area Network (MBAN)" Accept
- **5.6 Stakeholders: Suggested replacement: "The stakeholders include medical equipment manufactures, patients and healthcare providers both within hospitals and in residential environments. Stakeholders also include remote support facilities service providers. accept**

802.15.4n PAR/5C- Response to Comments

From 802.11: Comments on 802.15.4n PAR

- **7.1: delete "Technically the answer is no, but" accept**
- **7.1: change "15.j" to "IEEE P802.15.4j" accept**
- **7.1: remove the "P" from "P802.15.16" and note that "IEEE Std." is missing from the Project Standard Number field and in the Project title. Add "IEEE Std." to "802.15.16" appears. (2 times) accept**
- **7.1 Add a "IEEE P" to "802.15.4j" appears 3 times. accept**
- **8.1: The Note for 5.2 would be better as part of the Coexistence statement in the 5c. And 7.1 is more appropriate for Unique Identity in the 5c. Delete both paragraph 1 and 2. accept**
- **8.1 Add "7.1" prior to paragraph 3, and change the "P802.15.6" to "IEEE Std. 802.15.6" and change "15.4" to "IEEE Std. 802.15.4" accept**
- **8.1 Add "7.1:" prior to paragraph 4, and change "is a similar amendment to 15.4n" to "is similar to this amendment," accept**

802.15.4n PAR/5C- Response to Comments

From 802.11: 802.15.4n 5C comments

1.a) Change "802.15.4" to "IEEE Std. 802.15.4" or Delete "802.15.4 is already used for this". **accept**

Change "802.15.4/LR-WPAN" to IEEE Std. 802.15.4"
Change "Industries" to "industries". **accept**

Expand first use of LR-WPAN or replace with "IEEE Std. 802.15.4" **accept**

3.a) change "in these" to "in the" **accept**

Coexistence: A Coexistence Assurance document is needed even if it is a very short one that states the information listed here… **accept-short statement included**

5 a) this does not make sense. Rewrite. Look at using text from b) **accept-rewritten**

Motion for 802.15.4n PAR

- **Request that the EC grant approval to forward the PAR for the China Medical Band Amendment to 802.15.4 and contained in doc 15-12-0005-06 to NesCom**

(passed WG 46-0-0)

Moved: Heile

Second: Gilb

5.17	ME	802.15.4p amendment for positive train control (PTC), forward to NesCom	Heile	5	03:22 PM

Heile presents 15-12-0194-00-0000, slides 8-10

Motion is to request that the EC grant approval to forward the PAR for the Positive Train Control Amendment to 802.15.4 and contained in doc 15-11-0821-10 to NesCom.

Moved by Heile, seconded by Gilb

Thaler asked what positive train control is.

Heile read from slide 9 "The term "positive train control system" means a system designed to prevent train-to-train collisions, over-speed derailments, incursions into established work zone limits, and the movement of a train through a switch left in the wrong position." but said that it now includes all control information necessary for train operation.

Vote is 12/0/1, motion passes.

802.15.4p PAR/5C- Response to Comments

From 802.11: 802.15.4p PAR

5.2

- **typo: PHYsical should probably be Physical. accept**

- **Insert "Std." to IEEE 802.15.4…. accept**

- **typo: lower case the Medium Access Control…. accept**

- **What is the range of the channel Bandwidth limits? Have ncluded more info-- "5khz and potentially as high as 20-30 MHz, consistent with any applicable regulations"**

- **Consider changing "**accommodates transmit power levels greater than the 1 watt typical of US FCC Part 15 devices" **to indicate the standard that you will actually be using (are you targeting Part 80 and/or Part 90 devices?) We concluded this clause added no value and have removed it entirely.**

- **Change "**and to meet United States" to **", primarily to meet United States" reject- The US Congressional Act is certainly a major motivator and while the emphasis will be placed on the US needs, the intention is to be as global in scope as possible/practical.**

- **And delete "**and similar regulatory requirements in other parts of the world."

5.5 Insert "Std." to IEEE 802.15.4…. accept

802.15.4p PAR/5C- Response to Comments

From Steve Shellhammer: 802.15.4p PAR

- **The 802.15.4p PAR uses the phrase "positive train control" in both the title and the scope, however, the phrase is not defined.**

Please add a definition of "positive train control" to the explanatory notes section.
Reject- not sure this really belongs in a PAR, but for everyone's edification--

The phrase "positive train control system" is defined in US CFR 49, Subtitle V, Part A, Chapter 201, Subchapter II, paragraph 20157 (i) (3) as:

Positive train control system.— The term "positive train control system" means a system designed to prevent train-to-train collisions, over-speed derailments, incursions into established work zone limits, and the movement of a train through a switch left in the wrong position.

It has since become synonymous with the more general problem of train management using wireless systems.

Motion for 802.15.4p PAR

- **Request that the EC grant approval to forward the PAR for the Positive Train Control Amendment to 802.15.4 and contained in doc *15-11-0821-10* to NesCom**

(passed WG 48-0-1)

Moved: Heile

Second: Gilb

5.18	ME	802.15.8 new standard for peer aware communications (PAC), forward to NesCom	Heile	5	03:23 PM

Heile presents 15-12-0194-00-0000, slides 12-17

Motion is to request that the EC grant approval to forward the PAR for the 802.15.8, Peer Aware Communications, and contained in doc 15-12-0157-00 to NesCom.

Moved by Heile, seconded by Gilb

No discussion

Vote is 12/1/0, motion passes

802.15.8 PAR/5C- Response to Comments

From 802.11:   802.15.8 PAR

- **4.3 consider submission date to RevCom being at least Oct 2015, but March 2016 may be more realistic. accept**

- **5.2: change "defines the PHY" to "defines PHY", change "specification" to "mechanism" accept**

- **5.4: break into succinct sentences accept**

- **5.5: Listed in Need, but not in Scope: "proximity awareness, Signaling overhead reduction"….things in the Need statement should probably be in the Scope statement if planning to meet the need. Partially accept- terms were not used consistently. Relative positioning = proximity. Same term now used in both scope and need. Signaling overhead reduction is implied, since it is the only practical way to achieve the features, so it was not additionally included in the scope.**

- **5.6 Change "Content/Internet" to two separate lines accept**

- **8.1 these paragraphs do not really add to the PAR delete them or move to 5C. Removed the dual band note but kept the coexistence note.**

802.15.8 PAR/5C- Response to Comments

From 802.11:   802.15.8 PAR: Scope

- Proposed replacement for Scope statement (collapse the bulletlist [on next slide] to sentence fragments):

- This standard defines PHY and MAC mechanisms for Wireless Personal Area Networks (WPAN) Peer Aware Communications (PAC) that are optimized for peer to peer and infrastructureless communications with fully distributed coordination. accept

802.15.8 PAR/5C- Response to Comments From 802.11:   802.15.8 PAR: Scope

- PAC features will include:
  - **discovery for peer information without association;** **accept- no change needed**
  - **discovery signaling rate of greater than 100 kbps;** **reject- while it is likely to always be greater than 100lbps, until further work is done it would be premature declare it– so we are keeping the word typically**
  - **discovery of the number of devices in the network;** **accept**
  - **scalable data transmission rates up to 10 Mbps;** **reject- again like the signaling rate this is likely but dependent on further work-so we are keeping the word typically**
  - **group associations with simultaneous membership in up to 10 groups;** **again, retaining the word typically is more appropriate**
  - **relative positioning;** **accept- no change**
  - **multihop relay;** **accept- no change**
  - **security;** **accept- no change**
  - **proximity aware; signaling overhead reduction;** **not needed- see response to comment on 5.5 on slide 6**
  - **and operational in selected globally available unlicensed/licensed bands below 11 GHz capable of supporting these requirements.** **accept- no change**

802.15.8 PAR/5C- Response to Comments

From Steve Shellhammer: 802.15.8 5C

- **The 802.15.8 5C says "A coexistence assurance document will be submitted to the 802.19 TAG." Actually, 802.19 is now a WG. However, the CA document is not just supplied to 802.19, but is made available to everyone in the WG letter ballot.**

Maybe this could be changed to read more like the other 5C documents. For example, I would suggest you replace the above sentence with "The WG will create a Coexistence Assurance document as part of the WG balloting process." accept

802.15.8 PAR/5C- Response to Comments

Other Considerations 802.15.8 PAR

- **We have an active Dialog with a NesCom Committee member relating to the last sentence of the Need, subclause 5.5. In discussion we concluded that our use of a word like "unbearable" was not appropriate for a PAR. Therefore since we have a chance to clean that up we have:**

Replaced "Current communication infrastructure can support those applications but incurs unbearable signaling overhead and communication latency when used to support hundreds of devices in the proximity."

with "While the current communication infrastructure can support the noted applications to some degree, PAC's goal is to allow the network to support hundreds of devices by reducing signaling overhead."

Motion for 802.15.8 PAR

- **Request that the EC grant approval to forward the PAR for the 802.15.8, Peer Aware Communications, and contained in doc *15-12-0157-00* to NesCom**

(passed WG 46-0-0)

Moved: Heile

Second: Gilb

5.21	ME	802.16REV3 forward to RevCom (conditional)	Marks	5	3:24 PM

Marks presented 16-12-0268-00.ppt, slides 3-8

Motion is to grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16Rev3 to RevCom.

Thompson asked if there were any changes to the draft.

Marks said yes, this why they are looking for conditional approval.

Moved by Marks, seconded by Sherman.

Vote is 14/0/0, motion passes

Date the ballot closed

Stage	Open	Close
Sponsor Ballot	16 Dec	15 Jan
Sponsor Ballot Recirc #1	20 Feb	6 Mar

Vote tally including Approve, Disapprove and Abstain votes

124 Approve (100%)

- 0 Disapprove with comment
- 0 Disapprove without comment
- 6 Abstain
- Return ratio requirement met (86%)

Comments that support the remaining disapprove votes and Working Group responses

- None

Schedule for recirculation ballot and resolution meeting

- 15 day Recirculation (approximately 2012-3-30 to 2012-4-15)
- if conditions not met:
  - Comment resolution telecon: 2012-04-18, followed by confirmation recirc

802.16 WG Motion

802.16 Closing Plenary: 2012-3-15

Motion: To request Conditional Approval to forward P802.16Rev3 for RevCom

- Proposed: Zheng Yan-Xiu

- Seconded:

- Approved:

LMSC Motion

- To grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16Rev3 for Sponsor Ballot

- Moved:

- Seconded:

- Approve:

- Disapprove:

- Abstain:

| 5.22 | ME | 802.16.1 forward to RevCom (conditional) | Marks | 5 | 3:27 PM |

Marks presents 16-12-0269.pdf, slides 3-19

Thaler asked about comment 07 referring to approval by the EC.

Marks said that the intention is that the references will be updated by editorial staff before publication.

Law wanted to clarify that IEEE editorial staff was OK with this.

Motion is to grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16.1 to RevCom.

Moved by Marks, seconded by Sherman

Vote is 14/0/0, motion passes.

Date the ballot closed

Stage	Open	Close
Sponsor Ballot	16 Dec	15 Jan
Sponsor Ballot Recirc #1	20 Feb	6 Mar

Vote tally including Approve, Disapprove and Abstain votes

115 Approve (99%)

- 1 Disapprove with comment
- 0 Disapprove without comment
- 8 Abstain
- Return ratio requirement met (86%)

Comments that support the remaining disapprove votes and Working Group responses

- 13 comments from Avi Freedman
- Detail following…

Comment by:	Freedman, Avraham	**Membership Status:**	**Date:** 4-Jan-2012

| **Comment #** 01 | | **Document under Review:** **IEEE P802.16.1/D3** | **Ballot ID:** sb01R0 |

Comment   **Type** Editorial   **Part of Dis** ☒   Satisfied ☐   **Page** 1   **Line** 43   **Fig/Table#**   **Subclause** 1

The draft submitted to sponsor ballot still contains editor's notes, and is not ready for SB yet

Suggested Remedy

Correct the draft according to the editor's notes and remove them

GroupResolution   **Decision of Group:**   **Principle**

Adopt proposed texts in contribution IEEE 802.16-12-0128-01-01R0.

Reason for Group's Decision/Resolution

Group's Notes

This resolution only resolves the first four editor's notes. The remaining editor's notes are related to cross-reference of IEEE 802.16.1 and IEEE 802.16Rev3. Because these two books can not be completed right now, we can not refer to IEEE 802.16.1 and IEEE 802.16Rev3. Therefore, these comments will be resolved during 802 EC. Our approach is to request approval of these two books and an editorial instruction to 802 editors at the same time. When these two books are approved as standards, the related reference will be updated to IEEE 802.16.1 and IEEE 802.16Rev3 instead of IEEE 802.16m-2011 and IEEE 802.16-2009 respectively.

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**	**Date:** 4-Jan-2012

Comment # 02   **Document under Review:** **IEEE P802.16.1/D3**   **Ballot ID:** **sb01R0**

Comment   **Type** General   **Part of Dis** ☒ **Satisfied** ☐   **Page** 3   **Line** 3   **Fig/Table#**   **Subclause** 2

As a separate document, the reference list should contain all the relevant references from the original IEEE 802.16 standard

Suggested Remedy

Add all relevant references from IEEE 802.16-2009 and IEEE 802.16m amendment documents.

GroupResolution   **Decision of Group:**   **Principle**

Include the following normative reference in Subclause 2.
<insert>
IEEE Std 802.16-2009, IEEE Standard for Local and metropolitan area networks-Part 16: Air Interface for Broadband Wireless Access Systems,
IEEE Std 802.16m-2011, IEEE Standard for Local and metropolitan area networks-Part 16: Air Interface for Broadband Wireless Access Systems, Amendment 3: Advanced Air Interface.</insert>

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**	**Date:** 4-Jan-2012

Comment # 03		**Document under Review:** **IEEE P802.16.1/D3**	**Ballot ID:** **sb01R0**

Comment　**Type** General　　**Part of Dis** ☒　**Satisfied** ☐　**Page** 6　**Line** 23　**Fig/Table#**　**Subclause** 3.115

Is the information related to WirelessMAN-OFDMA relevant to this document?

Suggested Remedy

Delete the first sentence.

GroupResolution　　　　　　**Decision of Group:**　**Principle**

3.115 frame number: <delete>In WirelessMAN-OFDMA, the frame number is a 24-bit number transmitted in every frame. Frame numbers are not necessarily synchronized across base stations.</delete> In WirelessMAN-Advanced Air Interface, the frame number is obtained by concatenating the 12-bit superframe number (transmitted in every superframe) and the 2-bit frame index. Superframe numbers are synchronized across base stations.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes　　　　　　**Editor's Actions**

Comment by:		Freedman, Avraham	**Membership Status:**		**Date:** 4-Jan-2012 7:

Comment # 04   **Document under Review:** **IEEE P802.16.1/D3**   **Ballot ID:** **sb01R0**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 899   **Line** 11   **Fig/Table#**   **Subclause** 6.8

Where are Cluase 6 and claue 14 in this document?

Suggested Remedy

Change for the right section numbers

GroupResolution   **Decision of Group:**   **Principle**

The Basic LBS support (6.8.2) capability involves support of similar functionality and framework as in Clause 6 to Clause 14 <insert>in IEEE802.16-2009 [Editor's note: Need to update cross reference before sponsor ballot finalization])</insert>adapted to new frame and control channel structure in the AAI.

Reason for Group's Decision/Resolution

Clause 6 to Clause 14 refers to IEEE 802.16-2009

Group's Notes

The reference IEEE 802.16-2009 will be updated to IEEE 802.16Rev3 when IEEE 802.16.1 get approved from the EC.

Editor's Notes   **Editor's Actions**

Comment by:		Freedman, Avraham	**Membership Status:**		**Date:** 4-Jan-2012 7:

Comment # **05**   **Document under Review:** **IEEE P802.16.1/D3**   **Ballot ID:** **sb01R0**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 899   **Line** 23   **Fig/Table#**   **Subclause** 6.8.1

The first reference (and link) is for the AAI-SON-ADV message and not to the AAI-REG-REQ

Suggested Remedy

Change "6.2.3.7" to "6.2.3.8" with the associated link.

GroupResolution   **Decision of Group:** **Accepted**

Change "6.2.3.7" to "6.2.3.8" with the associated link.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:		Freedman, Avraham	**Membership Status:**		**Date:** 4-Jan-2012 7:

Comment # **06**   **Document under Review:** **IEEE P802.16.1/D3**   **Ballot ID:** **sb01R0**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 899   **Line** 39   **Fig/Table#**   **Subclause** 6.8.2.1

Is "trilaterization" the right word?

Suggested Remedy

Change "trilaterization" to "trilateration"

GroupResolution   **Decision of Group:** **Accepted**

Change "trilaterization" to "trilateration"

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**	**Date:** 4-Jan-2012

Comment # 07   **Document under Review:** **IEEE P802.16.1/D3**   **Ballot ID:** **sb01R0**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 899   **Line**   **Fig/Table#**   **Subclause** 6.8.2

The reference to the LBS-ADV is wrong. It points to the (non AAI)-LBS-ADV message of 802.16-2009, which is not in this document. Is it still relevant?

Suggested Remedy

Delete the sentence or change 6.3.2.3.59 to 6.2.3.62. Add a link.

GroupResolution   **Decision of Group:**   **Principle**

The content of this message and its functionality is consistent with LBS-ADV message in 6.3.2.3.59 <insert>in IEEE802.16-2009 [Editor's note: Need to update cross reference before sponsor ballot finalization])<\insert>.

Reason for Group's Decision/Resolution

6.3.2.3.59 refers to the clause in IEEE 802.16-2009

Group's Notes

The reference IEEE 802.16-2009 will be updated to IEEE 802.16Rev3 when IEEE 802.16.1 get approved from the EC.

Editor's Notes   **Editor's Actions**

Comment by:		Freedman, Avraham	**Membership Status:**		**Date:** 26-Feb-2012

Comment # **r01-1**   **Document under Review:**   **Ballot ID:** **sb01R0**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 2   **Line** 58   **Fig/Table#**   **Subclause** 1.4

The sentence refereing to the coexistence protocol is not relevant here.

Suggested Remedy

Delete "The Management/Control Plane may also include the "CX Management part" of WirelessMAN-CX composed of the "Distributed Coexistence Information Database," "Distributed Radio Resource Management," and "Coexistence Protocol (CXP)."

GroupResolution   **Decision of Group:**   **Accepted**

<delete>The Management/Control Plane may also include the "CX Management part" of WirelessMAN-CX composed of the "Distributed Coexistence Information Database," "Distributed Radio Resource Management," and "Coexistence Protocol (CXP)."</delete>

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:		Freedman, Avraham	**Membership Status:**		**Date:** 26-Feb-2012

Comment # r01-4   **Document under Review:**   **Ballot ID: sb01R0**

Comment **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 3   **Line** 52   **Fig/Table#**   **Subclause** 1.4.2.1

It seems the sentence is not complete.

Suggested Remedy

Replace the subsection with subsection 1.4.4.1 of IEEE 802.16-2009: This standard observes the following correlation:
-- MAC management PDUs that are exchanged on the basic management connection trigger or are triggered
by primitives that are exchanged over the C-SAP.
-- MAC management PDUs that are exchanged on the primary management connection trigger or are
triggered by primitives that are exchanged over either the C-SAP or the M-SAP depending on the
particular management or control operation.
-- Messages that are exchanged over the secondary management connection trigger or are triggered by
primitives that are exchanged over the M-SAP.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

In 6.2.10.1 of this draft, there is only Control Connection. MAC management PDU and secondary management connection are not used
in IEEE 802.16.1.

Group's Notes

Editor's Notes   **Editor's Actions**

| **Comment by:** | Freedman, Avraham | **Membership Status:** | **Date:** 26-Feb-2012 |

Comment # **r01-5**   **Document under Review:**   **Ballot ID:** **sb01R0**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 3   **Line** 62   **Fig/Table#**   **Subclause** 1.4.2.2

The reference to the figure is wrong

Suggested Remedy

Change "Figure 3" to "Figure 2"

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**
Comment # r01-8	**Document under Review:**	**Ballot ID:** sb01R0

Date: 26-Feb-2012

Comment **Type** General   **Part of Dis** ☒ **Satisfied** ☐   **Page** 9   **Line** 12   **Fig/Table#**   **Subclause** Historical

This comment refers to the front matter (page ix and not 9).
It is customary to include all the names of the officers during the time frame mentioned

Suggested Remedy

Add: "Carl Eklund: Task Group Vice Chair   Avraham Freedman: Task Group Secretary"

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**
Comment # r01-9	**Document under Review:**	**Ballot ID:** sb01R0

Date: 26-Feb-2012

Comment **Type** General   **Part of Dis** ☒ **Satisfied** ☐   **Page** 12   **Line**   **Fig/Table#**   **Subclause**

This comments reates to the front matter:Names of sponsor ballot pariticpants are missing

Suggested Remedy

Add names of sponsor ballot participants.

GroupResolution   **Decision of Group:** **Rejected**

Reason for Group's Decision/Resolution

According to the 2012 IEEE Standard Style Manual, the sponsor ballot commitee is inserted by IEEE editorial staff prior to publication.

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Freedman, Avraham	**Membership Status:**	**Date:**	26-Feb-2012

Comment # **r01-10**   **Document under Review:**   **Ballot ID:** **sb01R0**

Comment   **Type** General   **Part of Dis** ☒ **Satisfied** ☐   **Page** 9   **Line** 5   **Fig/Table#**   **Subclause** Historical

This comment refers to page ix in the front matter:
The reference here should be made to 802.16.1 and not to 802.16

Suggested Remedy

Change "802.16" to "802.16.1"

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Schedule for recirculation ballot and resolution meeting

- 15 day Recirculation (approximately 2012-03-30 to 2012-04-15)
- if conditions not met:
  - Comment resolution telecon: 2012-04-18, followed by confirmation recirc

802.16 WG Motion

802.16 Closing Plenary: 2012-03-15

Motion: To request Conditional Approval to forward
   P802.16.1 for RevCom

- Proposed: Zheng Yan-Xiu

- Seconded:

- Approved:

LMSC Motion

- To grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16.1 for Sponsor Ballot
- Moved:
- Seconded:
- Approve:
- Disapprove:
- Abstain:

| 5.23 | ME | 802.16p forward to RevCom (conditional) | Marks | 5 | 3:32 PM |

Marks presents 16-12-0262-00,ppt, slides 3-9

Motion is to grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16p to RevCom.

Moved by Marks, seconded by Sherman

Thompson said that although they are at 99% approval, they have only one outstanding comment and two recirculations.

Marks said if the existing voter does not submit any new comments, the second recirculation may not be needed.

Vote is 14/0/0, motion passes.

Date the ballot closed

Stage	Open	Close
WG Sponsor Ballot	07 Feb	8 Mar 2012

Vote tally including Approve, Disapprove and Abstain votes

110 Approve (99%)

- 1 Disapprove with comment
- 0 Disapprove without comment
- 3 Abstain
- Return ratio requirement met (77%)

Comments that support the remaining disapprove votes and Working Group responses

- See Following:

| Comment by: | Murias, Ronald | Membership Status: | Date: | 24-Feb-2012 |

| Comment # | | Document under Review: | p | Ballot ID: | p |

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 15   **Line** 28   **Fig/Table#**   **Subclause** 6.3.9.5.1

re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit power on retries when absolutely necessary.

Suggested Remedy

Include a broadcast message from the BS indicating that a collision has occurred. This will allow MSs to perform backoff without adjusting transmit power.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

The commenter does not provide a complete remedy.

Group's Notes

Vote
Favor: 0
Against: 3

Editor's Notes   **Editor's Actions**

Schedule for recirculation ballot and resolution meeting

- Recirculation #1: 15 day, beginning approximately April 20, 2012

- Comment Resolution meeting: May 14-17 (Session #79)

- Confirmation Ballot: 15 day, beginning approximately June 01, 2012

802.16 WG Motion

802.16 Closing Plenary: 2012-03-15

Motion: To request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE P802.16p Draft to RevCom

- Moved by Jaesun Cha
- Seconded: Hyunjeong Kang
- Result: 21 / 0 / 0

LMSC Motion

- To grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16p to RevCom

- Moved:

- Seconded:

- Approve:

- Disapprove:

- Abstain:

5.24	ME	802.16.1b forward to RevCom (conditional)	Marks	5	3:35 PM

Marks presents 16-12-0263-00.ppt, slides 3-9

Motion is to grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16.1b to RevCom.

Moved by Marks, seconded by Kraemer

No discussion

Vote is 14/0/0, motion passes.

Date the ballot closed

Stage	Open	Close
WG Sponsor Ballot	10 Feb	11 Mar 2012

Vote tally including Approve, Disapprove and Abstain votes

100 Approve (99%)

- 1 Disapprove with comment

- 0 Disapprove without comment

- 2 Abstain

- Return ratio requirement met (83%)

Comments that support the remaining disapprove votes and Working Group responses

- See Following:

Comment by: Murias, Ronald   **Membership Status:**   **Date:** 24-Feb-2012

Comment # 01   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 69   **Line** 50   **Fig/Table#**   **Subclause** 6.3.8.4.4

The large number of devices involved dramatically increase the likelihood of collision and therefore unnecessary power increase on re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit power on retries when absolutely necessary.

Suggested Remedy

Include a broadcast message from the BS indicating that a collision has occurred. This will allow MSs to perform backoff without adjusting transmit power.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

No complete remedy is provided.

Group's Notes

Vote:
Favor:0
Against: 1

Editor's Notes   **Editor's Actions**

Schedule for recirculation ballot and resolution meeting

- Recirculation #1: 15 day, beginning approximately April 20, 2012

- Comment Resolution meeting: May 14-17 (session #79)

- Confirmation Ballot: 15 day, beginning approximately June 01, 2012

802.16 WG Motion

802.16 Closing Plenary: 2012-03-15

Motion: To request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE P802.16.1b Draft to RevCom

- Moved by Jaesun Cha
- Seconded: Tim Godfrey
- Result: 20 / 0 / 0

LMSC Motion

- To grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16.1b to RevCom

- Moved:

- Seconded:

- Approve:

- Disapprove:

- Abstain:

5.28	ME	802.21d amendment for multicast group management, forward to NesCom	Das	5	04:24 PM

Das presents 21-12-0043-00-0000-ec-closing-plenary-motion-mar-12.pptx

Motion is EC approval to forward the IEEE P802.21d PAR to the IEEE SA NesCom

Moved by Das, seconded by Heile.

Votes is 14/0/0, motion passes.

IEEE 802.21 Motions in March **Plenary**

DCN: 21-12-0043-00-0000

Title: Request for EC Approval

Date Submitted: March 16, 2012

Presented at EC Closing Plenary, March 2012

Authors or Source(s):

Subir Das, Applied Communication Sciences

Abstract: This document contains 802.21d PAR comment summary and motions for EC approval to forward the IEEE P802.21d to the IEEE SA NesCom

Summary

- Received comments from 802.11 WG and LMSC Chair

- Comments were addressed and updated versions are circulated on March 14th
    - https://mentor.ieee.org/802.21/dcn/12/21-12-0032-00-0000-group-management-par-comment-resolution.pptx
    - https://mentor.ieee.org/802.21/dcn/12/21-12-0006-07-0000-group-management-par.pdf
    - https://mentor.ieee.org/802.21/dcn/12/21-12-0017-01-0000-group-management-5c.pdf

P802.21 WG Motion

Move to authorize the 802.21 WG Chair to make a motion to the IEEE 802 Executive Committee for approval to forward the IEEE 802.21d PAR to the IEEE-SA NesCom

Move: Yoshihiro Ohba
Second: Anthony Chan

For: 09
Against: 0
Abstain: 0

Motion passes

EC Motion

Motion: EC Approval to forward the IEEE P802.21d PAR to the IEEE SA NesCom

Move: Subir Das

Second: Bob Heili

For:

Against:

Abstain:

Motion

Motion is to add to 6.08, Press release approval 802.3 Reduced Pair 1 Gb/s Ethernet, new SG

Moved by Law, seconded by Grow

No objections to the modification of the agenda.

5.30		Break		10	03:38 PM

Meeting break began at 3:38 pm, scheduled for 10 minutes

Meeting called to order at 3:57 pm

6.00		**Executive Committee Study Groups, Working Groups, TAGs**			
6.01	MI	802.16 Broadband wireless access metrology (new SG)	Marks	5	03:57 PM

Marks discussed the proposed SG for broadband wireless access metrology

Motion is to approve initiation of the IEEE 802.16 Working Group Study Group on Broadband Wireless Access Metrology.

Moved by Marks, seconded by Kraemer.

Nikolich asked what kind of document would be created?

Marks said that the PAR would look into conformance documents. In addition, there might be other types of measurements or a PICS.

Vote is 14/0/0, motion passes.

6.02	MI	802.16 WirelessMAN radio interface in heterogeneous networks (new SG)	Marks	10	04:02 PM

Marks discussed a new SG for WirelessMAN radio interface in heterogeneous network.

Motion is approve initiation of the IEEE 802.16 Working Group Study Group on the WirelessMAN radio interface in Heterogeneous Networks.

Moved by Marks, seconded by Das

Thaler asked about heterogeneous networks

Marks said that it was related to having multiple radio interfaces in a device and enabling handover, roaming, etc.

Das asked if this was how 802.16 radio interface works in handover environment.

Marks said that the SG will need figure out what is meant by heterogeneous network. The group may need to bring the PAR to the EC or 802.21, it may not necessarily remain in 802.16.

Nikolich said that it would be cross wireless technology, but it could include any 802 technology.

Vote is 14/0/0, motion passes.

6.03	MI	802.3 Next Generation 100 Gb/s Optical Ethernet Study Group change of scope	Law	3	04:10 PM

Law presented 802d3_0312_closing_EC.pdf, slides 10-11

Motion is the scope of the "IEEE 802.3 Next Generation 100Gb/s Optical Ethernet" Study Group be expanded to be "IEEE 802.3 Next Generation 40Gb/s and 100Gb/s Optical Ethernet"

Moved by Law, seconded by Grow

No discussion.

Vote is 14/0/0, motion passes

MI: Next Generation 100Gb/s Optical Ethernet Study Group change of scope

Next Generation 100Gb/s Optical Ethernet Study Group change of scope

Motion:

The scope of the "IEEE 802.3 Next Generation 100Gb/s Optical Ethernet" Study Group be expanded to be "IEEE 802.3 Next Generation 40Gb/s and 100Gb/s Optical Ethernet"

M: D Law, S: ????

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

52 CFI attendees, 30 interested in participating

Working Group vote:
Y: 74 N: 0 A: 2

6.04	MI	802.3 Next Gen 100 Gb/s Optical Ethernet Study Group (2nd extension).	Law	3	04:11 PM

Law presented 802d3_0312_closing_EC.pdf, slides 2-3

Motion is the LMSC Executive Committee grants an extension to the IEEE 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group

Moved by Law, seconded by Grow

No discussion.

Vote is 14/0/0, motion passes

MI*: IEEE 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group (2nd extension)

IEEE 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group (2nd extension)

Motion:

The LMSC Executive Committee grants an extension to the IEEE 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group

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

Working Group vote:
Y: 103, N: 0, A: 0

| 6.05 | MI* | 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (1st extension). | Law | 0 | |

Approved as part of the consent agenda.

| 6.06 | MI | 802.3 Reduced Pair 1 Gb/s Ethernet, new SG | Law | 3 | 04:13 PM |

Law presented 802d3_0312_closing_EC.pdf, slides 8-9

Motion is the LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet PHY Study Group within IEEE 802.3

Moved by Law, seconded by Grow

Marks asked if they discussed alternate language.

Law said that it was discussed, but the alternatives were worse.

Vote is 14/0/0, motion passes

MI: IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group

IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet PHY Study Group

Motion:

The LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Reduced Twisted Pair Gigabit Ethernet PHY Study Group within IEEE 802.3

M: D Law, S: ????

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

103 CFI attendees, 65 interested in participating

Working Group vote:
Y: 77 N: 0 A: 3

Law presented 802d3_0312_closing_EC.pdf, slides 4-5

Motion is the LMSC Executive Committee grants an extension to the IEEE 802.3 Extended Ethernet Passive Optical Network (EPON) Study Group.

Moved by Law, seconded by Grow

No discussion.

Vote is 14/0/0, motion passes

MI*: IEEE 802.3 Extended Ethernet Passive Optical Network (EPON) Study Group (2nd extension)

IEEE 802.3 Extended Ethernet Passive Optical Network (EPON) Study Group (2nd extension)

Motion:

The LMSC Executive Committee grants an extension to the IEEE 802.3 Extended Ethernet Passive Optical Network (EPON) Study Group

M: D Law, S: ????

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

Working Group vote:
Y: 77, N: 1, A: 6

New agenda item add with a motion prior to the break

6.08	ME	Press release approval 802.3 Reduced Pair 1 Gb/s Ethernet, new SG	Law	3	04:17 PM

Law presented 802d3_0312_closing_EC.pdf, slides 18-19

Law also presented IEEE_Reduced_Pair_1G_Study_Group_PR_V2p0.pdf

Motion is the The EC supports the IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group press release IEEE_Reduced_Pair_1G_Study_Group_PR_V2p0.pdf, with editorial license granted to the Chair (or his appointed agent).

Moved by Law, seconded by Grow

Law said that automotive is the driving market behind this application. The secondary market is avionics.

Vote is 14/0/0, motion passes

ME: IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group press release

IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group press release

- The EC supports the IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group press release IEEE_Reduced_Pair_1G_Study_Group_PR_V2p0.pdf, with editorial license granted to the Chair (or his appointed agent).

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

Gilb presents ec-12-0016-01-00EC-Smart-Grid-discussion.odp

Motion is to approve creation of an 802 EC Study Group to develop a proposal for an 802 TAG or WG to address cross-802 issues related to Smart Grid

- Develop a focused scope for the TAG or WG
- Create "Guidelines" for use of 802 standards for Smart Grid applications
  - Exact type of document to be determined by Study Group

Moved by Marks, seconded by Lynch

It was requested to add the name of the Chair. Nikolich proposed Gilb as the chair.

It was pointed out that the Chair of an ECSG does not have Sponsor voting rights.

Law also pointed out that documents can be progressed through industry connections.

Motion now reads:

Motion is to approve creation of an 802 EC Study Group to develop a proposal for an 802 TAG or WG to address cross-802 issues related to Smart Grid

- Develop a focused scope for the TAG or WG
- Create "Guidelines" for use of 802 standards for Smart Grid applications
  - Exact type of document to be determined by Study Group
- James Gilb is confirmed as Study Group chair

Thaler suggested changing the bullet with guidelines to be indented and begin with e.g.

Motion is to approve creation of an 802 EC Study Group to develop a proposal for an 802 TAG or WG to address cross-802 issues related to Smart Grid

- Develop a focused scope for the TAG or WG
  - e.g., create "Guidelines" for use of 802 standards for Smart Grid applications
  - Exact type of document to be determined by Study Group
- James Gilb is confirmed as Study Group chair

Lynch suggested an announcement.

Thompson suggested adding "application notes and whitepapers"

Nikolich asked if the mover or seconder had and objections

Motion is to approve creation of an 802 EC Study Group to develop a proposal for an 802 TAG or WG to address cross-802 issues related to Smart Grid

- Develop a focused scope for the TAG or WG
  - e.g., create "Guidelines" for use of 802 standards for Smart Grid applications, application notes and white papers.
  - Exact type of document to be determined by Study Group
- James Gilb is confirmed as Study Group chair

No further discussion

Vote is 14/0/0, motion passes.

802 Smart Grid Activity

- Will be formed as Executive Committee Study Group

- Depending on how PAR is developed:
  - Option 1: Form Technical Advisory Group (TAG)
  - Option 2: Form Working Group (WG)

Objectives

- Create "Guidelines" for use of 802 standards for Smart Grid applications

  – Exact type of document to be determined by Study Group

- In the context of other Smart Grid Standardization organizations and activities

  – NIST, IEC, IEEE PES, ITU, ETSI, ITU-Smart, etc

  – evaluate any "gaps" that could be appropriate work items for IEEE 802

Objectives (continued)

- Liaison between IEEE 802 and other groups involved in Smart Grid communications and standards (NIST, OpenSG, IEEE PES, ITU-Smart, etc)

- Serve as a resource and coordination point for Smart Grid specific spectrum issues (IEEE 802.18, UTC, etc)

- Develop "PR" presentation highlighting IEEE 802 activities related to Smart Grid for use at Smart Grid events and conferences

Additional notes

- ITU-R question only?
- Already being used (68%) are based on 802 derived technologies
  - Should make sure that we find out about the current deployments to show that we are there.
- IEEE wide activity at SA level
  - Focus within 802, bring in information from others
  - Improve coordination within IEEE
- Respond to RFIs (e.g., UK and Australia)
- Coordination with 802 Architecture
- Focus on lower layers of Smart Grid

Straw polls

- Who would support the formation of an Executive Committee Smart Grid Study Group:
  - Yes: 28
  - No: 0

- Would you support the first meeting of the ECSG to be at the May 2012 Wireless Interim meeting in Atlanta.
  - May 14-18, Atlanta (Wireless Interim): 25
  - July 15-20, San Diego (802 Plenary): 2

Next steps

- Ask EC on Friday closing plenary to become and ECSG.

  - Add schedule to proposal.

  - First meeting in May, next in July.

  - Encourage parallel meetings for groups not in the Wireless

Next steps

- Continue with calls

- Continue to monitor and deliver the following objectives

  - Contributions to NIST PAP2 (simulation parameters and review of text content for wireless guideline 2)

  - Refer to 11-12-0396 for list.

Motion

- Motion is to approve creation of an 802 EC Study Group to develop a proposal for an 802 TAG or WG to address cross-802 issues related to Smart Grid
  - Develop a focused scope for the TAG or WG
    - e.g., create "Guidelines" for use of 802 standards for Smart Grid applications, application notes and white papers
    - Exact type of document to be determined by Study Group
  - James Gilb is confirmed as Study Group chair

6.11	MI*	802.11 Infrastructure discovery (1st ext)	Kraemer	0	05:16 PM

Approved as part of the consent agenda.

6.12	MI*	802.11 China mmWave SG (1st ext)	Kraemer	0	05:16 PM

Approved as part of the consent agenda.

6.13	MI*	802.15 Peer aware communications (1st ext)	Heile	0	05:16 PM

Approved as part of the consent agenda.

6.14	MI*	802.15 Communication requirements for Positive Train Control (1st ext)	Heile	0	05:16 PM

Approved as part of the consent agenda.

6.15	MI*	802.15 Medical applications in unlicensed bands in China (1st ext)	Heile	0	05:16 PM

Approved as part of the consent agenda.

6.16	MI	802.15 Ultra Low Power (ULP) for 802.15.4 (new SG)	Heile	5	04:44 PM

Heile presented 15-12-0194-00-0000-motions-from-802-15-for-closing-ec-meeting.ppt, slides 18-19

Motion is Request that the EC approve the formation of a Study Group to develop a draft PAR and 5C for an Ultra Low Power amendment to 802.15.4.

Moved by Heile, seconded by Gilb

Vote is 140/0, motion passes

Study Group for Ultra Low Power Amendment to 802.15.4

- **Focus is on defining a project for an amendment to support simple very low power transceiver architectures**

- **Sharian Emami, Samsung, will Chair the Study Group**

Motion for ULP Study Group

- **Request that the EC approve the formation of a Study Group to develop a draft PAR and 5C for an Ultra Low Power amendment to 802.15.4**

(passed WG 30-0-0)

Moved: Heile

Second: Gilb

6.17	MI	802.21 Service discovery (new SG)	Das	5	04:46 PM

Das said that they did not actually have an SG request. No motion is necessary.

7.00		**LMSC Liaisons and External Interface**			
7.01	ME	**Interpretation request 1-03/12 response: Annex 86A nPPI - XLPPI - CPPI electrical parameter**	Law	3	04:47 PM

Law presents 802d3_0312_closing_EC.pdf, slides 12-14.

Motion is the LMSC Executive Committee approves the response to IEEE 802.3 interpretation request 1-03/12.

Moved by Law, seconded by Grow

No discussion

Vote is 14/0/0, motion passes

ME:* IEEE 802.3 Interpretation 1-03/12 response: Annex 86A nPPI - XLPPI - CPPI electrical parameter

Interpretation 1-03/12

- Request
  - http://www.ieee802.org/3/interp/interp-1-0312.pdf

- Response
  - The standard is unambiguous.
  - This request is being returned to you because the question asked does not constitute a request for interpretation but instead a request for consultation. Generally, an interpretation request is submitted when the wording of a specific clause or portion of a standard is ambiguous or incomplete. The request should state the two or more possible interpretations or the lack of completeness of the text.
  - Note that the text that is in question refers to the output voltage *tolerance*.

Interpretation 1-03/12

- The LMSC Executive Committee approves the response to IEEE 802.3 interpretation request 1-03/12.

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

  Working Group vote:
  Y: 69, N: 1, A: 3

| 7.02 | II | Liaison letter to ITU-T SG 15: Response to G.epon letter and draft (information item based on item 7.05 of November 2011 minutes) | Law | 3 | 04:52 PM |

Law presents 802d3_0312_closing_EC.pdf, slides 20-21

No motion, provided for information only.

Shellhammer asked if it was really G.epon.

Law said that it was, but that it appears that they are proposing changes to Ethernet.

II*: Liaison letter to ITU-T Study Group 15: Response to G.epon letter

II*: Liaison letter to ITU-T Study Group 15: Response to G.epon letter

- The liaison communication from the IEEE 802.3 working group to ITU-T Study Group 15 in response to the G.epon letter can be found in:

  liaison_response_SG15_03.pdf

  Working Group vote:

  Y: 76, N: 0, A: 7

7.03	II	Status update on BWA adhoc.	Law	3	04:53 PM

D'Ambrosia said that BWA finished their data gathering and it is out for 30 day review. He will be requesting a tutorial in July to present the results.

7.04	ME*	P802.22b PAR approval press release	Mody	0	

Approved as part of the consent agenda.

7.05	ME	EC reaffirms its nomination of John Messenger as the IEEE representative to ITU-T.	Jeffree	3	04:57 PM

Motion is that the EC reaffirms its nomination of John Messenger as the IEEE representative to ITU-T.

Moved by Jeffree, seconded by Gilb

Lynch asked if Messenger is able to represent both the IEEE position and his companies position if they are different.

Messenger (Adva Optical Networking) said that as far as ITU-T is concerned, he can.

7.06	II	802.1 Liaison contributions to IETF	Jeffree	3	05:03 PM

Jeffree discussed the 802.1 liaison contributions to IETF.

Das asked to see the letter.

Jeffree said that the link is in the slide set.

Lynch had not provided the presentation to the recording secretary, so item 7.12 was moved first.

7.12	ME	Approve interpretation request for 802.11.	Kraemer	3	05:08 PM

Kraemer presented 11-12-0460-01, slide 4-6

Motion is to approve the response in 11-12/0459r0 as the IEEE LMSC response to the interpretation request contained therein.

Moved by Kraemer, seconded by Gilb

No discussion.

Vote is 13/0/0, motion passes.

Lynch is still not ready, move 9.01 forward.

Interpretation Request – 1

See document: 11-12-0459r0

Table 7-43q – HT Operation element and section 9.13.3 Protection mechanisms for transmissions of HT PPDUs

Table 7-43q defines 20MHz protection mode. In 9.13.3.1 General is explained when the HT Protection field is set to 20 MHz protection mode. However, I am missing the directions for the STA or AP what to when this mode is set in all cases.
 Two paragraphs contain references to 20MHz protection mode:

When the HT Protection field is set to no protection mode or 20 MHz protection mode and the Nongreenfield HT STAs Present field is set to 0, no protection is required since all HT STAs in the BSS are capable of decoding HT-mixed format and HT-greenfield format transmissions.

When the HT Protection field is set to no protection mode or 20 MHz protection mode and the Nongreenfield HT STAs Present field is set to 1, HT transmissions that use the HT-greenfield format shall be protected. This protection may be established by transmitting a PPDU with the TXVECTOR FORMAT parameter set to HT_MF or any of the methods described in Table 9-8.

There is no paragraph regarding transmissions of non-greenfield frames in a non-greenfield environment, specifically, do non-greenfield frames sent with 40MHz channel width need to be protected when 20 MHz protection mode is set? Or is the sentence

***"When the HT Protection field is not set to no protection mode or the Secondary Channel Offset field is set to SCN, a STA shall not transmit a 40 MHz HT PPDU (TXVECTOR parameter CH_BANDWIDTH set to HT_CBW40) to initiate a TXOP."* the one instructing to use protection?**

Interpretation Response

- **IEEE Std 802.11n-2009 is unambiguous on this issue:**
  - The standard defines protection mode for HT STAs in 9.13.3.1:

    "Transmissions of HT PPDUs, referred to as HT transmissions, are protected if there are other STAs present that cannot interpret HT transmissions correctly. " (see first sentence) and *"20 MHz protection mode indicates that 1) all detected STAs are HT, 2) the BSS is 20/40 and 3) at least one HT STA is 20 MHz only"* (see 9.13.3.1, 4th paragraph).

  - When all STAs are HT-STAs, each STA is able to decode the HT-SIG of a 40 MHz packet.
  - Initiation of a TXOP is addressed in 9.13.3.1 (last paragraph).

Interpretation Request Motion

- **Approve the response in 11-12/0459r0 as the IEEE LMSC response to the interpretation request contained therein.**

- **Moved: Bruce Kraemer**

- **Result in WG: 59,0,2**

9.01	II	Update on upcoming venues – Geneva, July 2013	Roshdahl	5	05:15 PM

Rosdahl presented ec-12-0007-03, slides 14-19

Rosdahl said that we have not signed final documents for Geneva 2013, but that it is our intention to go there. He will be presenting a motion later to send Face-to-Face events for a site visit.

Rosdahl said that Rigsbee and he would be updating the host guidelines.

9.01: Update on Upcoming Venues

- **Geneva, July 2013**
- **Singapore, March 2015**
- **Future Venue Contract Status**
  - Identified in Workshop spreadsheet:
    - https://mentor.ieee.org/802-ec/dcn/12/ec-12-0003-02-00EC-november-2011-ec-workshop-action-items.xls
  - See Tab WS11-2
  - Unable to get free date at Singapore – no need to move a venue from 2014 to allow Singapore meeting to occur in 2014.
  - Slots currently Open at
    - 2017 – March and Nov
    - 2018 – March and Nov
  - Move a 2016 Venue out in time to open a slot for a NonNA venue.

9.01 -- Site Visit for Geneva June 2012

- *IEEE 802 July 2013 Plenary Session – Geneva, Switzerland*
- *Why Face To Face Events should conduct a site inspection to Geneva?*
- **A properly conducted site inspection is a significant factor in ensuring a successful session. In particular when planning an event in a venue and location not previously used by the IEEE 802, the site inspection will accurately highlight both the positive and the negative aspects of a selected location that cannot be quantified by reviewing a facility's sales literature or meeting contracts alone.**
- **Travelling to Geneva and meeting with the local ITU/CCIG/CCV representatives, will provide Face to Face Events the opportunity to evaluate all of the ITU/CICG/CCV facilities and services. The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing(including special name badges coordination) , shipment arrangements and any other session considerations, including pricing and billing procedures.**
- **By conducting meetings with facility representatives face to face we will be able to develop relationships that will be beneficial during final contract negotiations and onsite logistics as well as pinpoint potential problems and resolve them well ahead of the session, saving time and money.**
- **Our site inspection experience and expertise act as invaluable tool in planning all aspects of the July 2013 IEEE 802 Plenary Session, we appreciate your keen consideration of this matter.**

9.01 -- Motion to approve Geneva Site Inspection

- **Move to approve a Site inspection trip for no more than 4 people.**
  - The purpose of the trip includes:
    - The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing(including special name badges coordination) , shipment arrangements and any other session considerations, including pricing and billing procedures.
  - Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging)

  Move: Rosdahl

  2nd:

nNA Hosted Session Proposals

Marina Bay Sands Hotel

Singapore

March 7-13, 2015

Singapore: March 7-13, 2015

- **We have hosted target for March 2015**

- **We have finally received the STB grant payment**

- **MBS is holding room-block & meeting rooms**

- **Same facilities & concessions as March 2011**

- **Modest price increase due to full operation**

- **If STB & IDA will host again at ≥ level is t.b.d.**

- **We have deposit in SG$ @ IEEE–Singapore**

- **Will get formal proposals in the next weeks**

- **Could have this plus others to decide in July**

802 EC Next Steps
Meeting Planner

- **Update nNA venue Host Guidelines on web**

- **Send Host solicitation to 802-ALL & WGs**

- **Seek active proposals for 2016, 2017, 2018**

- **Plan for interim review to choose best 3**

- **Invite Hosts to present their proposals in July**

- **Plan for July member poll & selection review**

- **Plan for venue selection by close of July EC if possible**

7.07	ME	Approve 18-12-0030-02-0000 IEEE 802 position on worldwide license exempt usage of TVWS.	Lynch	10	05:21 PM

Lynch presented 18-12-0038-00, slide 1

Motion is To approve document: 18-12-0030-02-0000, THE IEEE 802 LAN/MAN STANDARDS COMMITTEE POSITION ENDORSING WORLD-WIDE LICENSE-EXEMPT USAGE OF THE TELEVISION BAND WHITESPACES 3/2/1.

Moved by Lynch, seconded by Mody

Kraemer said that 802.11 was opposed to the document. It has changed but does not specifically address any known request for a white paper. It appears on the surface to be a document that would be archived in the 802.18 document server or on the EC web site. Would prefer that a purpose specific document that would be used when a purpose was identified.

Shellhammer said that we normally approve them to be sent somewhere, but we are not sending it anywhere.

Marks says that he interprets it as a position statement. If so, then there are specific rules relating to it. Also, the document does not say "draft" and it is on the 802.18 web site.

Sherman wants to know how the document will be used.

Mody discussed the history of the document as being in response by an action in Congress to auction off TVWS. The intent was to use it as a position statement.

Das asked what the current plan is for this.

Mody said that he did not know how a position statement is done in 802. There is no plan for where it is to be sent. He said since there is no consensus he will withdraw the motion.

Marks requested that the current version be replaced with one that says draft.

Nikolich said that the motion was withdrawn.

802.18 Motion to SEC

Agenda: 7.07
Date: 03/16/2012
Time: 5:41 p.m.

Motion by: Lynch

Seconded by: Mody

Moved:

To approve document: 18-12-0030-02-0000

THE IEEE 802 LAN/MAN STANDARDS COMMITTEE POSITION ENDORSING WORLD-WIDE LICENSE-EXEMPT USAGE OF THE TELEVISION BAND WHITESPACES 3/2/1.

Informative: This document establishes the 802 LAN/MAN position on TVWS

Approve: XX **Do Not Approve:** XX **Abstain:** XX **Motion:**

7.08	ME	Approve 18-12-0028-01-0000 response to liaison from ITU-R WP5D.	Lynch	3	05:32 PM

Lynch presented 18-12-0038-00, slide 2

Motion is to approve document: 18-12-0028-01-0000 Update of WireLESSMAN-ADVANCED RADIO INTERFACE of Recommendation ITU-R M.2012 to be sent to WP5D.

Moved by Lynch, seconded by Marks

No discussion

Vote 13/0/1, motion passes

802.18 Motion to SEC

Agenda: 7.08
Date: 3/16/2012
Time: 5:51 p.m.

Motion by: Lynch   **Seconded by:** Marks

Moved:

To approve document:

18-12-0028-01-0000

Update of WireLESSMAN-ADVANCED RADIO INTERFACE of Recommendation ITU-R M.2012 (meeting Y)802.18 approved this document by a vote of 6/0/0

Informative: This contribution responds to the 13 February "Liaison statement to External Organizations on the schedule for updating Recommendation ITU-R M.2012 'Detailed specifications of the terrestrial radio interfaces of International Mobile Telecommunications-Advanced (IMT-Advanced)' to Revision 1.".

Approve: XX **Do Not Approve:** 0 **Abstain:** 0 **Motion:**

7.09	ME	Approve 18-12-0031-01-0000 submission to ITU-R.	Lynch	3	05:34 PM

Lynch presented 18-12-0038-00, slide 3

Motion is to approve document: 18-12-0031-01-0000 IMT-2000 OFDMA TDD WMAN submission toward revision 11 of recommendation itu-r m.1457 (meeting x+2) to be sent to WP5D.

Moved by Lynch, seconded by Marks

No discussion

Vote 14/0/0, motion passes

802.18 Motion to SEC

Agenda: 7.09
Date: 3/16/2012
Time: 5:54 p.m.

Motion by: Lynch   **Seconded by:** Marks

Moved:

To approve document:

18-12-0031-01-0000

IMT-2000 OFDMA TDD WMAN submission toward revision 11 of recommendation itu-r m.1457 (meeting x+2) 802.18 approved this document by a vote of 4/0/1

Informative: This document provides further update material for Recommendation ITU-R M.1457.

Approve: XX **Do Not Approve:** XX **Abstain:** XX **Motion: Approved**

| 7.10 | ME | Approve 18-12-0032-02-0000 liaison statement to ITU-R WP5A. | Lynch | 3 | 05:36 PM |

Lynch presented 18-12-0038-00, slide 4

Motion is to approve document: 18-12-0032-02-0000 IMT-2000 OFDMA TDD WMAN submission toward revision 11 of recommendation itu-r m.1457 (meeting x+2) to be sent to WP5D.

Moved by Lynch, seconded by Marks

No discussion

Vote 14/0/0, motion passes

802.18 Motion to SEC

Agenda: 7.10
Date: 3/16/2012
Time: 5:57 p.m.

Motion by: Lynch   **Seconded by:** Marks

Moved:

To approve document:

18-12-0032-02-0000

IMT-2000 OFDMA TDD WMAN submission toward revision 11 of recommendation itu-r m.1457 (meeting x+2) 802.18 approved this document by a vote of 5/0/1

Informative: IEEE proposes the incorporation into the working document [1] of the changes indicated in Appendix 1.

Approve: XX **Do Not Approve:** XX **Abstain:** XX **Motion:**

| 7.11 | ME | Approve 18-12-0033-02-0000 reply to comments on Progeny LMS | Lynch | 3 | 05:38 PM |

Lynch presented 18-12-0038-00, slide 5

Motion is to approve document: 18-12-0033-02-0000IEEE 802 encourages the Federal Communications Commission to reject the conclusions drawn by Progeny in their test report.

Moved by Lynch, seconded by Marks

No discussion

Vote 14/0/0, motion passes

802.18 Motion to SEC

Agenda: 7.11
Date: 3/16/2012
Time: 6:00 p.m.

Motion by: Lynch

Seconded by: Marks

Moved:

To approve document:

18-12-0033-02-0000

> IEEE 802 encourages the Federal Communications Commission to reject the conclusions drawn by Progeny in their test report. 802.18 approved this document by a vote of 3/0/0

Informative: This document provides further update material for Recommendation ITU-R M.1457.

Approve: XX **Do Not Approve:** XX **Abstain:** XX **Motion: Approved**

Motion to reconsider 7.10, moved Grow, seconded by Law

No objections to the reconsideration.

Law proposes to amened the motion to read:

Motion is to approve 18-12-0032-03-02-0000 liaison statement to ITU-R WP5A

Moved by Lynch, seconded by Marks

No discussion

Vote 12/0/0, motion is approved.

8.00		**IEEE SA items**			

No IEEE SA items.

9.00		**Information Items**			06:06 PM

9.02	DT	**Future plenary location discussion**	**Rigsbee**	**10**	**05:49 PM**

Item already covered in item 9.02.

9.03	II	**JTC1 ad-hoc report**	**Myles**	**5**	**05:49 PM**

Item was already covered earlier in the agenda.

9.04	II	**802 EC Nov 2011 Workshop update**	**Rosdahl**	**10**	**05:49 PM**

Rosdahl said that the workshop action items are listed in 802 EC-12/0003r3 (https://mentor.ieee.org/802-ec/dcn/12/ec-12-0003-03-00EC-november-2011-ec-workshop-action-items.xls) and summary of outstanding issues located in doc 802 EC-12/0007r3 slide 20-23(https://mentor.ieee.org/802-ec/dcn/12/ec-12-0007-03-00EC-executive-secretary-agenda-items-march-2012.ppt)

9.05	II	**802 Overview and Architecture report**	**Gilb**	**3**	**05:49 PM**

Gilb will send an update to the reflector.

9.06	II	**Treasurer's report**	**Grow**	**3**	**05:50 PM**

Grow will file L50S for all those who operate without treasury.

660 paid attendees, showing deficit 63350 on estimate, which is inline with about $100 subsidy per attendee suggested at the last meeting.

July is showing a $20k deficit

9.07	II	**Regulatory report**	**Lynch**	**3**	**06:51 PM**

No report.

9.08	II	**Executive secretary report**	**Rosdahl**	**5**	**06:51 PM**

Rosdahl said that the Executive Secretary report was posted and for the sake of time, members were referred to posted doc 802 EC-12/0007r3 slide 24 (https://mentor.ieee.org/802-ec/dcn/12/ec-12-0007-03-00EC-executive-secretary-agenda-items-march-2012.ppt).

9.09	II	**802 EC Membership poll on fees, services, and locations**	**Rosdahl**	**10**	**06:51 PM**

Rosdahl will distribute the results via the email reflector.

9.10	II	**Appeals report**	**Gilb**	**5**	**05:52 PM**

Gilb has received the Appellee's response and will distribute it to the appropriate parties.

Nikolich asked if anyone on the EC had any problem with an appeals panel consisting of Geoff Thompson, Buzz Rigsbee, and Adrian Stephens.

No objections were given to the membership of the appeals panel.

9.11	II	Network Services report	Alfvin	5	07:05 PM

Alfvin summarized the the network services for the week. We peaked at highest bandwidth used ever.

9.12	II	Last act of outgoing 2nd Vice Chair	Sherman	5	05:57 PM

Sherman said that Stuart Kerry started a tradition in which his last act was to rip up Robert's Rules. Sherman will tear up his copy of Robert's Rules as his last act as 2nd Vice Chair after the meeting is adjourned.

10.00		ADJOURN SEC MEETING	Nikolich		06:00 PM

Meeting adjourned at 5:58 pm

Respectfully submitted
James Gilb
IEEE 802 LMSC Recording Secretary