

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

Friday, November 12, 2010, 1:00 pm – 6:00 p.m.
All times Central Standard Time (CST)

Dallas, TX

EC members present:

Paul Nikolich – Chair, IEEE 802 LAN / MAN Standards Committee
Pat Thaler – Vice Chair, IEEE 802 LAN / MAN Standards Committee
John Hawkins – Treasurer, 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
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 LANs Working Group
Bob Heile – Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks – Chair, IEEE 802.16 – Broadband Wireless Access Working Group
John Lemon – Chair, IEEE 802.17 – Resilient Packet Ring Working Group
Mike Lynch – Chair, IEEE 802.18 – Regulatory TAG
Steve Shellhammer – Chair, IEEE 802.19 – Wireless Coexistence Working Group
Subir Das – Chair, IEEE 802.21 – Media Independent Handover Working Group
Apurva Mody – Chair, IEEE 802.22 – Wireless RANs Working Group
Geoff Thompson – Chair, IEEE 802.23 Emergency Services Working Group

Non-voting members:

Buzz Rigsbee – Meeting Planner, Member Emeritus

EC members absent:

Mat Sherman – Vice Chair, IEEE 802 LAN / MAN Standards Committee
Mark Klerer – Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group

Meeting called to order at 1:00 pm

v03 **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

Action is to modify and approve the agenda.

Jeffree asks for item 4.18 to be removed

Kraemer asks for two liaison statements to be added as ME, items 8.08 and 8.09

Motion is to approve the agenda as modified

Moved by Jeffree, seconded by Law

Vote 15/0/0, motion passes

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	5	01:10 PM
3.01	MI	Confirmation of new Treasurer	Nikolich	5	01:15 PM
3.02	MI	Confirmation of 802.16 Vice Chair	Nikolich	5	01:20 PM
					01:25 PM
4.00		IEEE Standards Board and Sponsor Ballot Items			01:25 PM
4.01	ME	802.15.4j medical body area networks PAR forward to NesCom	Heile	5	01:25 PM
4.02	ME	802.15.4k low energy critical infrastructure monitoring PAR forward to NesCom	Heile	5	01:30 PM
4.03	ME	802.15.4REV PAR modification forward to NesCom	Heile	5	01:35 PM
4.04	ME*	802.15.4e PAR modification forward to NesCom	Heile	0	01:40 PM
4.05	ME*	802.15.4f PAR modification forward to NesCom	Heile	0	01:40 PM
4.06	ME*	802.15.4g PAR modification forward to NesCom	Heile	0	01:40 PM
4.07	MI	802.15.7 new standard forward to Sponsor ballot (conditional)	Heile	10	01:40 PM
4.08	MI	802.15.4i revision forward to Sponsor ballot (conditional)	Heile	10	01:50 PM
4.09	ME	802.16m forward to RevCom (conditional)	Marks	10	02:00 PM
4.10	ME*	802.16m PAR extension request forward to NesCom	Marks	0	02:10 PM
4.11					02:10 PM
4.12	MI	802.17d forward to Sponsor ballot	Lemon	3	02:10 PM
4.13	MI	802.22 forward to Sponsor ballot (conditional)	Mody	10	02:13 PM
4.14					02:23 PM
4.15					02:23 PM
4.16	ME	802.1AEbn security amendment for GCM-AES-256 cipher suite PAR forward to NesCom	Jeffree	5	02:23 PM
4.17	ME	802.1AS forward to RevCom (conditional)	Jeffree	10	02:28 PM
4.18					02:38 PM
4.19	MI	802.1Q-REV forward to Sponsor ballot	Jeffree	5	02:38 PM
4.20	ME	802.1D reaffirmation forward to RevCom	Jeffree	5	02:43 PM
4.21					02:48 PM
4.22	ME	802.3 Revision PAR forward to NesCom	Law	10	02:48 PM
4.23	MI	802.3.1 Ethernet MIBs forward to Sponsor ballot	Law	5	02:58 PM
4.24	MI	802.3bf Time synchronization forward to Sponsor ballot	Law	5	03:03 PM
4.25	MI	802.3bg 40 Gb/s Ethernet single mode fiber PMD forward to Sponsor ballot	Law	5	03:08 PM
4.26					03:13 PM
4.27					03:13 PM
4.28	ME	802.11 amendment for fast initial authorization PAR forward to NesCom	Kraemer	5	03:13 PM
4.29	ME	802.11u Interworking forward to RevCom (conditional)	Kraemer	10	03:18 PM
4.30	ME	802.11v Network management forward to RevCom (conditional)	Kraemer	10	03:28 PM
4.31	ME*	802.11 revision plan to RevCom	Kraemer	0	03:38 PM
5.00		Executive Committee Study Groups, Working Groups, TAGs			03:38 PM
5.01	MI	802.3 100 Gb/s Ethernet electrical backplane and copper cable assemblies new study group	Law	5	03:38 PM
5.02	MI	802.11 Fast initial authentication (2nd extension)	Kraemer	5	03:43 PM
5.03	MI	802.15 Personal space communications (2nd extension)	Heile	5	03:48 PM

5.04	MI	802.15 Medical body area networks (MBAN) (2nd extension)	Heile	5	03:53 PM
5.05	MI*	802.15 Low energy critical infrastructure monitoring (LECIM) (1st extension)	Heile	0	03:58 PM
5.06	MI	802.15 TVWS PHY for 15.4 for smart grid applications	Heile	5	03:58 PM
5.07					04:03 PM
5.08					04:03 PM
6.00		Break		10	04:03 PM
7.00		LMSC Internal Business			04:13 PM
7.01	MI	Suggested change to Chair's guidelines posted	Rosdahl	5	04:13 PM
7.02					04:18 PM
7.03					04:18 PM
7.04					04:18 PM
7.05					04:18 PM
7.06					04:18 PM
7.07					04:18 PM
8.00		LMSC Liaisons and External Interface			04:18 PM
8.01	MI	IEEE-SA Industry Connection activities related to IEEE 802 activities.	Law	10	04:18 PM
8.02	II	802.1 liaison response to ITU-T Q9/15 LS-197	Jeffree	3	04:28 PM
8.03	II	802.1 liaison response to IETF regarding L2VPN OAM	Jeffree	3	04:31 PM
8.04	ME	Contribution to the ITU-R Director, Proposed Communication to ITU regarding 4G Wireless Technology, Doc.. 18-10-0073-00.	Lynch	10	04:34 PM
8.05	ME*	IEEE 802.3 Liaison response to ITU-T SG15 on OTNT standardisation work plan	Law	0	04:44 PM
8.06	ME	IEEE 802.3 Liaison to ISO/IEC JTC1 SC6 WG1 with respect to ISO/IEC 8802-3:2000	Law	10	04:44 PM
8.07	II	ISO/IEC/JTC1/SC6/WG1 ad hoc meeting logistics	Nikolich	5	04:54 PM
8.08	ME	JTC1 Liaison letters, 11-10-01358-01	Kraemer	5	04:59 PM
8.09	ME	JTC1 Liaison letters, 11-10-01359-00	Kraemer	5	05:04 PM
8.10					05:09 PM
8.11					05:09 PM
8.12					05:09 PM
8.13					05:09 PM
9.00		IEEE SA items			05:09 PM
9.01					05:09 PM
9.02					05:09 PM
9.03					05:09 PM
9.04					05:09 PM
10.00		Information Items			05:09 PM
10.01	II	Treasurer's report	Hawkins	5	05:09 PM
10.02	II	Update on upcoming venues	Rigsbee	5	05:14 PM
10.03	II	Update on Marina Bay Sands venue	Rigsbee	5	05:19 PM
10.04	II	802 Task force report	Nikolich	15	05:24 PM
10.05					05:39 PM
10.06	II	Regulatory report	Lynch	10	05:39 PM
10.07					05:49 PM
10.08	II	Executive secretary report	Rosdahl	5	05:49 PM
10.09	II	802 Overview and Architecture report	Gib	3	05:54 PM
10.10	II	Appeals report	Gilb	1	05:57 PM
10.11	II	Network Services report	Alfvin	2	05:58 PM
11.00		ADJOURN SEC MEETING	Nikolich		06:00 PM

Kraemer said that 802.11 got an award from WiFi alliance and asked Kipness to take back to Piscataway to put on display there.

The audience gave applause for the award.

Nikolich brought Hawkins up to thank him for his years of service and gave him a present.

The audience responded with applause for Hawkins years of service.

Motion is to confirm Bob Grow as the Treasurer of the 802 LMSC EC

Moved by Gilb, seconded by Jeffree

Vote is 15/0/0, motion passes

Grow is confirmed as the Treasurer.

Marks spoke regarding the 802.16 Vice Chair position. He thanked Puthenkulam for his service.

The audience recognized his service with applause.

802.16 conducted a ballot process, 3 candidates, via paper ballot. They had a runoff at the closing plenary and Rakesh Taori was elected.

Motion is to approve Rakesh Taori as 802.16 Vice Chair of 802.16 for the term ending March 2012.

Moved by Marks, seconded by Rosdahl

His affiliation is Samsung electronics.

Vote is 15/0/0, motion passes

Rakesh Taori is confirmed as 802.16 Vice Chair

4.00 IEEE Standards Board and Sponsor Ballot Items

Heile presented 15-10-0938-01, slides 3-14

Motion is to Request that EC approve forwarding the PAR content contained in document 15-10-0260-10 to NesCom

Moved by Heile, seconded by Gilb

No discussion

Vote is 15/0/0, motion passes

802.15.4j MBAN PAR to NesCom

Revised PAR and 5C:

- <https://mentor.ieee.org/802.15/dcn/10/15-10-0260-10-mban-medical-body-area-networks-par.docx>
- <https://mentor.ieee.org/802.15/dcn/10/15-10-0261-06-mban-medical-body-area-networks-5c.docx>

Individual Comments on 802.15.4j 5C

Comment 1

- (2 submitters of this comment) Upon review, the incorrect Criteria #2 was used for the proposed MBAN PAR.

Response

- Agree. An older version of the 5 Criteria was used.

Action: Update Criteria Question 2. Modify Criteria question 2 answer by replacing the answer with the following text, "This amendment will not affect the IEEE 802.15.4 standard's compliance with the IEEE 802. Architecture, Management, and Interworking documents as required. There is no specific technology feature anticipated in the amendment that could preclude this compliance."

Comment 2

- The 5C does not address coexistence as a separate item in Criteria 4.

Response

- Agree. An older version of the 5 Criteria was used.

Action: Update Section 4 to include the following text "**Coexistence of 802 wireless standards specifying devices for unlicensed operation**" before the sentence "An appropriate coexistence assurance document will be created."

802.11 Comments on 802.15.4j 5C

Comment 3

- In the 5C, make it the “Low Rate Wireless Personal Area Networks (WPAN-LR)” match...throughout the 5C. Consider (LR-WPAN).

Response

- Agree. We will consistently refer to LR-WPAN in the 5C document.

Action: Update the 5C to consistently use LR-WPAN.

Comment 4

- Update the 5C requirements to those found in LMSC OM 12.5.

Response

- See Comment 1 & 2

Action:

802.11 Comments on 802.15.4j 5C

Comment 5

- 3. Distinct Identity: 802.15.6 is listed in 7.1, but not explained the Distinct Identity. The current wording indicates that 15.6 is similar, and it is not clear as to the differences.
 - c) it is easy for readers....if it is a MBAN spectrum, how is that different from the 802.15.6 MBAN uses.

Response

- State more clearly the difference between 15.6 and MBAN

Action: Keep first sentence. Replace remaining text with: *“The proposed amendment to IEEE 802.15.4 targets both on and off body applications. IEEE 802.15.6 is addressing communication in the vicinity of or inside a human body. The proposed amendment to IEEE 802.15.4 will address low data rate applications. IEEE P802.15.6 is targeting significantly higher data rates and lower power consumption applications. The proposed amendment to IEEE 802.15.4 will not address SAR. IEEE P802.15.6 may take SAR into consideration”*

802.11 Comments on 802.15.4j 5C

Comment 6

- Missing coexistence statement

Response

- See Comment 2

Action:

802.19 Comments on 802.15.4j 5C

Comment 7

- The 5C does not specify if a coexistence assurance (CA) document will be provided as per Section 12.5.4.1 of the LMSC Operations Manual. Either state that a CA document will be produced or explain why a CA document is not needed.

Response

- See Comment 2

Action:

802.11 Comments on 802.15.4j PAR

Comment 8

- 5.2 Scope: Add “new” prior to physical layer. Remove “current revision”, Add “IEEE” prior to 802.15.4. Spell out the Acronyms “FCC MBAN” and “MAC”. Split the end of the sentence into a new sentence as follows: delete “and any” end sentence: “This amendment defines modifications to the MAC that support the new physical layer”

Response

- Agree.

Action: Update the PAR with recommended changes:

802.11 Comments on 802.15.4j PAR

Comment 9

- 5.4 Purpose: The Scope says that you are describing a new PHY not services. Redo sentence. Delete “The definition of” in the 3rd sentence. Expand what “15.4” and “15.4e” really are “IEEE 802.15.4 and IEEE P802.15.4e” would be better not having them specifically there to begin with
- Consider deleting the Purpose Text and replace with “This amendment will not have a Purpose Statement.”

Response

- IEEE 802.15 prefers for all amendments to have a Purpose and it is a recommended NesCom field. Agree with the recommended changes to Purpose statement

Action: Reword first sentence to make clear that we are not planning to specify a service. Delete “The definition of” in the 3rd sentence. Use the full name IEEE 802.15.4. Remove reference to 802.15.4e since this is an example and is not necessary

802.11 Comments on 802.15.4j PAR

Comment 10

- 5.5 Need: Put in “IEEE” in front 802.15.4. and expand “15.4” to “IEEE 802.15.4”. Expand acronyms “NPRM”.

Response

- Agree

Action: Add recommended text and expand acronym

Comment 11

- 5.5 Need: Suggest change “FCC has made a” to “FCC has issued an”

Response

- Agree.

Action: Implement wording change in text

802.11 Comments on 802.15.4j PAR

Comment 12

- 5.5 Need: Change “This amendment” to “This Project” in the last sentence.

Response

- Agree

Action: Change wording in the text

Comment 13

- 5.5 Need: Change 3rd sentence: Delete “may”.

Response

- Agree.

Action: Remove the offending “may”

802.11 Comments on 802.15.4j PAR

Comment 14

- 5.6 Stakeholders: change stakeholders statement as follows:

“The stakeholders include Medical equipment manufacturers, patients and healthcare providers both within hospitals and in residential environments along with service providers that offer remote support facilities.”

Response

- Agree

Action: Remove the first sentence of 5.6 and combine the final two sentences as recommended

Comment 15

- 7.1: similar scope: Expand the Yes description. Include a minimum of the missing “IEEE”

Response

- Agree

Action: Use new text in 5C Criteria 3 from Comment 5 to outline difference between 15.6 and MBAN and place explanation in section 7.4 Additional Explanatory Notes

15.4j MBAN - EC Motion

Request that EC approve forwarding the PAR content contained in document 15-10-0260-10 to NesCom

Moved by: Heile
Second by: Gilb

Heile presented 15-10-0938-01, slides 15-23

Motion is to Request that EC approve forwarding the PAR content contained in document 15-10-0756-08 to NesCom

Moved by Heile, seconded by Gilb

Kraemer stated that the SG chairs attended 802.11's review meetings which really helped the process.

Vote is 15/0/0, motion passes

802.15.4k LECIM PAR to NesCom

Revised PAR and 5C:

- <https://mentor.ieee.org/802.15/dcn/10/15-10-0756-08-leci-sglecim-par-draft.docx>
- <https://mentor.ieee.org/802.15/dcn/10/15-10-0757-04-leci-sglecim-5c-draft.docx>

15.4k LECIM-802.11 PAR adHoc comments

5.2 Scope: the scope statement should be what would be included in the final document. It should be in present tense and describe the document contents.

Agreed, revised scope statement is in present tense

5.4 Purpose: Consider deleting the Purpose Text and replace with “This amendment will not have a Purpose Statement.”

It is a required field in the PAR form even when amendment is selected, and seems like a reasonable thing to do.

5.5 Need for project: The text here looks like it should be included in the 5c responses. This should be a clear statement of the need for the project.

Text has been clarified.

15.4k LECIM-802.11 PAR adHoc comments

5.6 Stakeholders: remove “government agencies, non-government agencies with equivalent interest and “ move “Location Based Services Suppliers and Users” to the front, and delete “in addition to “

Implemented

- 8.1 Additional Notes: clean-up and remove extraneous information that should be in the 5c – Uniqueness and Distinct Identity.

Implemented

- 5C, WPAN-LR make consistent use. If LR is before or after WPAN.

Implemented, change to LR-WPAN

15.4k LECIM-802.11 PAR adHoc comments

- 2.1 title: Add acronym “LECIM”

Implemented, spell out acronym on first use

- 5c-3-a) the first statement does not seem correct. Suggest remove “uniquely”. Change “will not adequately support the” to “does not support specific”

Accept

- Remove “SCADA” and just say proprietary technology.

Spell out acronym (supervisory control and data acquisition.)

- 5c-5a) make consistent the naming of the other WG.

Accept, add IEEE in front of all 802.xx references

15.4k LECIM-802.19 PAR &5C comments

- The scope states that it will operate in licensed, unlicensed and special purpose frequency bands. If operation in the TVWS is included in the standard, will the standard include the necessary hooks to support the mechanisms defined by the upcoming 802.19.1 draft?

While the scope does not preclude operation in this band, it is not the primary band of interest. It is the intention of this group to develop appropriate coexistence behavior for each band.

From PAR 5.2 Scope: “This amendment also provides mechanisms that enable coexistence with other systems in the same band(s) including IEEE 802.11, IEEE 802.15 and IEEE 802.16 systems.”

15.4k LECIM-802.19 PAR &5C comments

- The scope states These applications have unique requirements that are not fully addressed with the current standard. This sentence should not be in the Scope but should be in the Need section.

Accept

Delete “These applications have unique requirements that are not fully addressed with the current standard.”

- The Scope section is way too long and should be shortened.

Accept

Change “Specifically, the amendment supports all of the following:” to “The amendment supports:”

15.4k LECIM-802.19 PAR & 5C comments

- In the Distinct Identity section of the 5C please elaborate on why this PAR could not be met by 802.11, 802.16 or 802.22.

Accept----add to 5C Distinct identity:

The current 802.16 M2M PAR calls for changes to the MAC, and no substantial change to its PHY. While it does state the enhancements as lower power consumption at the subscriber station, support by the base station of significantly larger numbers of devices, and efficient support for small burst transmissions, it does not change the PHY, and as such it will not meet the large path loss, minimal infrastructure requirements, and multi-year battery life required by LECIM applications.

IEEE 802.22 is intended to provide broadband services to rural subscribers, which does not address the need for multiyear battery life.

IEEE 802.11 is designed for higher data rates which limit both range and battery life to less than that required by LECIM applications.

15.4k LECIM-Other Changes

PAR 8.1

LECIM applications are characterized by properties including large path loss, minimal infrastructure requirements, and multi-year battery life.

The communication link budget, coexistence characteristics, and data model for this class of applications have not been met with existing 802 standards.

15.4k LECIM - EC Motion

Request that EC approve forwarding the PAR content contained in document 15-10-0756-08 to NesCom

Moved by: Heile
Second by: Gilb

Heile presented 15-10-0938-01, slides 24-25

Motion is to Request EC approval to forward the contents of the PAR contained in document 15-10-0902-01-004i to NesCom

Moved by Heile, seconded by Gilb

No discussion

Vote is 15/0/0, motion passes

802.15.4i PAR Change Proposal

Changes are editorial only--

- **2.1 Title:**

New Title: Standard for Local and Metropolitan Area Networks
Part 15.4: Low Rate Wireless Personal Area Networks (LR-WPANs)

Old Title: Standard for Information Technology -
Telecommunications and Information Exchange Between
Systems - Local and Metropolitan Area Networks - Specific
Requirements - Part 15.4: Wireless Medium Access Control
(MAC) and Physical Layer (PHY) Specifications for Low Rate
Wireless Personal Area Networks (WPANs)

- Clean up of the scope and purpose

802.15.4i PAR Change Proposal

Motion:

**Request EC approval to forward the contents of the PAR
contained in document 15-10-0902-01-004i to NesCom
(WG Vote 63/0/0)**

**Moved: Heile
Second: Gilb**

4.04	ME*	802.15.4e PAR modification forward to NesCom	Heile	0
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Approved as part of the consent agenda

4.05	ME*	802.15.4f PAR modification forward to NesCom	Heile	0
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Approved as part of the consent agenda

4.06	ME*	802.15.4g PAR modification forward to NesCom	Heile	0
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Approved as part of the consent agenda

4.07	MI	802.15.7 new standard forward to Sponsor ballot (conditional)	Heile	10	01:28 PM
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Heile presented 15-10-0938-01, slides 26-30

Motion is 802.15 requests conditional approval from the EC to submit 802.15.7 draft to Sponsor Ballot.

Moved by Heile, seconded by Gilb

Thompson said that the plan for recirculation is one more plus a no-change recirculation if necessary.

Vote is 15/0/0, motion passes

802.15.7 Ballot History

Initial Ballot (pool of 212 voters)

- 153 Responses
- Yes 104, No 19, Abstain 28

First Recirculation-

- 160 aggregate responses
- Yes 117, No 13, Abstain 30

Second Recirculation (closed 04 Nov 2010)

- 166 aggregate responses (78.30%)
- Yes 132 (94.3%), No 8, 26 abstain

Currently have 7 remaining No Voters with a total of 41 distinct comments 27 of which had be previously submitted. Full comment details in doc xxxxx

15.7 Comments supporting no votes (Part 1)

(Total of 6 Distinct Comments, 2 rejected)

- No voter #1 (Batra, TI, 5 comments) and No voter #2 (Brubak, TI, 5 comments): Submitted identical comment spreadsheets
 - 2 comments were against previous resolutions that was not properly implemented; these comments were accepted
 - 1 comment was accepted, one comment was accepted in principle
 - 1 comment was rejected (PSDU Field Structure); committee decided that no change was needed
- No voter #3 (Hosur, TI, 0 comments):
 - No comments submitted during LB61; previous comments were on the same topic as Voter #1 and Voter #2 2 comments against improperly implemented previous comments
- No voter #4 (Roh, TI, 3 comments):
 - 2 comments were against previous resolutions that was not properly implemented; these comments were accepted or accepted in principle
 - 1 comment pointed out minor problem, and was accepted

15.7 Comments supporting no votes (Part 2)

- No voter #5 (Chang, CSU, 1 comment):
 - Comment was a resubmittal of comments submitted in previous two letter ballots (objection to band division plan), and was rejected
- No voter #6 (Bahr, Siemens, 16 comments):
 - 12 comments were resubmittals of comments in first letter ballot (objection to current superframe specification), and were rejected
 - 1 comment was accepted in principle
 - 2 comments were about a possible normative/informative issue, and the committee decided there was no issue and rejected the comments
 - 1 comment about 8 bit address modes was rejected
- No voter #7 (Cypher, NIST, 12 comments):
 - All comments accepted or accepted in principle

15.7 Schedule for ballot and meetings

- 3rd recirculation
 - 13 November 2010 to 28 November 2010
- BRC comment resolution teleconference
 - 29 November, 2010, 23:00 UTC
- Final recirculation (if necessary)
 - 30 November 2010 to 15 December 2010
- BRC comment resolution teleconference
 - 16 December, 2010, 23:00 UTC (if necessary)

15.7 EC motion

- 802.15 requests conditional approval from the EC to submit 802.15.7 draft to Sponsor Ballot.

WG vote (46, 0, 0)

- EC vote
 - Moved Heile, seconded Gilb
 - Yes: , No:, Abstain:

Heile presented 15-10-0938-01, slides 31-35

Motion is 802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot.

Moved by Heile, seconded by Gilb

Vote is 14/0/1, motion passes

802.15.4i Ballot History

- Ballot closed 28 October 2010
- Vote results (pool of 216 voters)
 - 169 responses (78.24% response ratio)
 - 159 yes, 3 no (98.15% approval ratio)
 - 7 abstain (4.14% abstain ratio)
 - Ballot passes
- 271 comments from 22 commenters
 - 124 Technical and General
 - 147 Editorial

15.4i Comments supporting no votes

- No voter #1 (Gilb, 9 comments) is satisfied with the resolution of his comments and is now voting approve.
- No voter #2 (Chaplin, 25 comments) has accepted the proposed resolutions (via email):
 - “I accept the proposed resolutions to my comments as shown to me. I reserve changing my vote pending review of the updated draft.”
- No voter #3 (Farlow, 4 comments) has accepted 3 of the proposed resolutions (via email)
- Comments from voter 2 and 3 are in document at:
 - <https://mentor.ieee.org/802.15/dcn/10/15-10-0926-00-004i-comments-supporting-no-votes.xls>

15.4i Remaining No voter #3

- **CID 207**
 - Issue: The sub GHz UWB mode in the draft will not meet FCC regulations.
 - WG response: Disagree – The FCC has approved sub GHz devices in this band; the implementer is responsible for verifying that all regulator requirements have been met.

15.4i Schedule for ballot and meetings

- 1st recirculation
 - 16 November 2010 to 1 December 2010
- BRC comment resolution teleconference
 - 13 December, 2010, 9:00-11:00 PST
- 2nd recirculation (if necessary)
 - 16 December 2010 to 31 December 2010
- BRC comment resolution teleconference
 - 3 January, 2010, 9:00-11:00 PST (if necessary)

EC motion for 802.15.4i

- 802.15 requests conditional approval from the EC to submit 802.15.4 revision draft to Sponsor Ballot.

WG vote (49, 0, 0)

- EC vote
 - Moved Heile, seconded Gilb
 - Yes: , No:, Abstain:

4.09 ME 802.16m forward to RevCom (conditional)

Marks

10

01:35 PM

Marks presented 80216-10_0058r1.pdf

Barber (Huawei) came up to present 80216-10_0059.pdf

Thompson asked if there was any significant "pile on"

Barber said that it is the same group of of no voters. No new "pile on" in the last two recirculations

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

Moved by Marks, seconded by Lynch

No discussion

Vote is 15/0/0, motion passes

4.10 ME* 802.16m PAR extension request forward to NesCom

Marks

0

Approved as part of the consent agenda

P802.16m to RevCom: Report for Conditional Approval

November 12, 2010

Rules: OM (2010-07-16) Clause 14

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

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

Date the ballot closed

Stage	Open	Close
WG Sponsor Ballot	9 June	9 July 2010
WG Sponsor Ballot	30 July	12 Aug2010
Recirc #1		
WG Sponsor Ballot	26 Aug	8 Sept 2010
Recirc #2		
WG Sponsor Ballot	6 Oct	25 Oct 2010
Recirc #3		

Vote tally including Approve, Disapprove and Abstain votes

262 Approve (94.25%)

- 16 Disapprove with comment
- 0 Disapprove without comment
- 18 Abstain
- Return ratio requirement met

Comment resolution

	Comment database	myBallot Comments	Disapprove Comments	Disapprove Comments not yet satisfied	Disapprove Voters (with comment)	Disapprove voters (current)
SB for 802.16m	IEEE 802.16-10/004 0	665	438	46	107	--
SB recirc #1	IEEE 802.16-10/004 5	318	234	23	99	--
SB recirc #2	IEEE 802.16-10/004 7	207	141	28	88	--
SB recirc #3	IEEE 802.16-10/005 2	141	82	31	29	16

Comments that support the remaining disapprove votes and Working Group responses

- Remaining outstanding comments from Disapprove voters provided in IEEE 802.16-10/0059
http://ieee802.org/16/docs/#10_0059

Schedule for recirculation ballot and resolution meeting

- Recirculation #4: 15 day, beginning approximately November 26, 2010
- Comment resolution meeting: January 10-14, 2011 (if necessary)
- Confirmation Ballot (if necessary): 15 day, January 28 – February 12, 2011
- RevCom deadline: February 18, 2011

802.16 WG Motion

802.16 Closing Plenary: 11 November 2010:

Motion: To authorize the IEEE 802.16 WG Chair to request Conditional Approval from the IEEE 802 Executive Committee to forward the IEEE 802.16m Draft to RevCom

- Proposed: Kiernan
- Seconded: Murias
- Approved 47-0-0

LMSC Motion

- To grant conditional approval, per Clause 14 of the IEEE 802 Operations Manual, to forward P802.16m to RevCom
- Moved:
- Seconded:
- Approve:
- Disapprove:
- Abstain:

Lemon presented 802.17d to sponsor.pdf

Motion is Grant (unconditional) approval to forward 802.17d to sponsor ballot

Moved by Lemon, seconded by Hawkins

Thompson asked how many comments were received in the ballot.

Lemon said zero.

Vote is 15/0/0, motion passes

Request For Approval To Send 802.17d To Sponsor Ballot

Details

- *Date the last WG ballot closed: 8 Nov 2010*
- *Vote tally: App:5, Dis:0, Abs:2, DNV:2*
- *Comments or Dis votes carried forward: 0*
- *Sponsor ballot pool: 60, diversity req met*
- *Sponsor version diffs from last WG version:
Only editorial changes made with SA staff*
- *WG vote to forward: App:3, Dis:0, Abs:0*

Motion

- Grant (unconditional) approval to forward 802.17d to sponsor ballot

Moved: John Lemon

Seconded: John Hawkins

Y: N: A:

Mody presented 22-10-0171-00-0000-802-22-motions-november-EC-meeting.ppt

Motion is to grant conditional approval as per the IEEE 802 Operations Manual to forward IEEE P802.22 to the Sponsor Ballot.

Moved by Mody, seconded by Jeffree

Shellhammer said that there should probably be two recirculations

Mody said that they will do another one if necessary.

Rosdahl asked why they were recirculation if there is 100% approval

Mody said that the FCC rules came out that required to some changes.

Vote is 15/0/0, motion passes

IEEE P802.22 Motions at the November Plenary EC Meeting

IEEE P802.22 Wireless RANs

Date: 2010-11-09

Authors:

Name	Company	Address	Phone	email
Apurva N. Mody	BAE Systems	P. O. Box 868, MER 15-2350, Nashua, NH 03061	1-404-819- 0314, 1-603- 885-2621	apurva.mody@baesystems.com , apurva_mody@yahoo.com
Gerald Chouinard	Communications Research Center, Canada		1-613-998- 2500	Gerald.chouinard@crc.ca

Notice: This document has been prepared to assist IEEE 802.22. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

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Motion

Motion for a Conditional Approval to forward the IEEE
P802.22 to the Sponsor Ballot

Motion for a Conditional Approval to forward the IEEE P802.22 to the IEEE Sponsor Ballot

Rules

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

- Date the ballot closed
- Vote tally including Approve, Disapprove and Abstain votes:
- Comments that support the remaining disapprove votes and Working Group responses.
- Schedule for confirmation ballot and resolution meeting.

Motion for a Conditional Approval to forward the IEEE P802.22 to the IEEE Sponsor Ballot

- Date the last ballot closed: **Nov. 9th 2010**
- Vote tally including Approve, Disapprove and Abstain votes:
Ballot Pool = 26, Response = 22 (**85%**), # of comments = 110
Number of Approves = 21
Number of Disapproves = 0
Number of Abstains = 1
Approval Ratio = **100%**
- Comments that support the remaining disapprove votes and Working Group responses – **N/ A**
- Schedule for confirmation ballot and resolution meeting – We are resolving comments this week and **planning to launch the WG Re-circ #3 by Nov. 22nd 2010.**

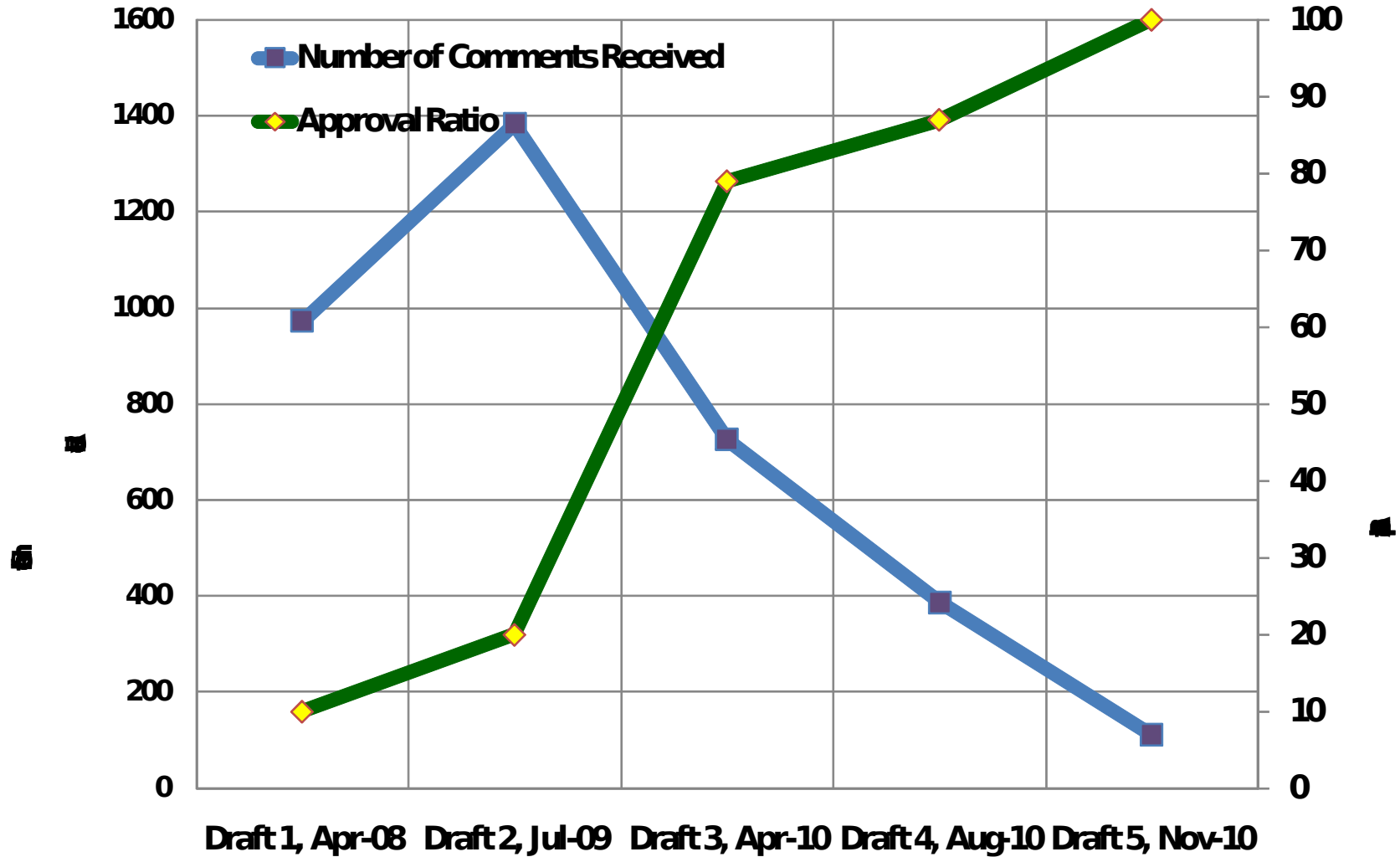
IEEE P802.22 Draft History and Statistics

IEEE WG Letter Ballot	Launch Date	# of Comments Received	Comment Resolution Status	Response Ratio	Approval Ratio	Draft Status
WG LB #1 (P802.22 Draft v1.0)	April 2008	978 (526 T / TR, 452 E / ER)	Comments were addressed and Resolved	59%	<75%	P802.22 Draft v2.0 Prepared
WG LB #2 (P802.22 Draft v2.0)	July 2009	1383 (942 T / TR, 707 E / ER)	Comments were addressed and Resolved	80%	<75%	P802.22 Draft v3.0 Prepared
WG LB #3 (P802.22 Draft v3.0)	April 2010	725 (432 T / TR, 286 E / ER)	Comments were addressed and Resolved	76%	79%	P802.22 Draft v4.0 Prepared
WG Re-circ #1 (P802.22 Draft v 4.0)	August 2010	387 (270 T / TR, 117 E / ER)	Comments were addressed and Resolved	82%	87%	P802.22 Draft v5.0 Prepared
WG Re-circ #2 (P802.22 Draft v5.0)	October 2010	110 (80 T, 30 E)	Comments are being addressed and resolved	85%	100%	P802.22 Draft v6.0 is being prepared

P802.22 is ON TRACK to reach the Sponsor Ballot by December 2010

IEEE P802.22 Draft History and Statistics

P802.22 Draft Standard Progress Report



Motion for a Conditional Approval to forward the IEEE P802.22.1 Draft Standard to the IEEE SA RevCom

Time-line for the Launch of P802.22 WG Re-circ #3 and Sponsor Ballot #1

- The Sponsor Ballot Pool formation is currently under way.
- Nov. 22nd 2010 - Issue IEEE P802.22 Draft 6.0
- Dec. 6th 2010 – Re-circulation #3 is completed.
- Dec. 15th 2010 – Address and Resolve Comments if any.
- Dec. 20th 2010 – Launch Sponsor Ballot #1

WG Motion

P802.22 WG Motion 2 – Document – 22-10-0172 Rev6

Move to authorize the P802.22 WG Chair to make a motion to the IEEE 802 Executive Committee Meeting for a (conditional) approval to forward the P802.22 Draft Standard to the Sponsor Ballot and to launch the Sponsor Ballot based on the latest P802.22 Draft that has met all the conditions as stated in the IEEE 802 Operations Manual

Move: Ranga Reddy

Second: Jerry Kalke

Discussion: None

For: 10

Against: 0

Abstain: 0

Motion Passes Unanimously

**Motion for a Conditional Approval to forward the IEEE P802.22
Draft Standard to the Sponsor Ballot**

**Motion to grant conditional approval as per the IEEE 802
Operations Manual to forward IEEE P802.22 to the Sponsor
Ballot.**

Move: Apurva N. Mody,

Second: _____

For: _____

Against: _____

Abstain: _____

Motion Passes / Fails

References

- **IEEE P802.22 WG November Plenary Motions – 22-10-0172 Rev6**
- **P802.22 WG Policies and Procedures – 22-04-0001 Rev0**
- **P802.22 Draft v5.0 Re-circ #1 Comment Database – 22-10-0174 Rev2**
- **P802.22 Draft v4.0 Re-circ #2 Comment Database – 22-10-0155 Rev7**

Jeffree presented 2010-11-exec-motions.pptx, slides 2-3

Motion is 802.1 request EC approval to forward the PAR for P802.1AEbn (MAC Security: Amendment - GCM-AES-256 Cipher Suite) to NesCom.

Moved by Jeffree, seconded by Thaler

No discussion

Vote is 15/0/0, motion passes

MOTION

- 802.1 requests EC approval to forward the PAR for P802.1AEbn (MAC Security: Amendment—GCM-AES-256 Cipher Suite) to Nescom.
- Proposed: Seaman Second: Congdon
- For: 13 Against: 0 Abstain: 5

- EC proposed: Jeffree Second: Thaler
- For: XX Against: XX Abstain: XX

Supporting material – P802.1AEbn draft PAR

- Comments received from 802.11; responses and final text circulated to the EC
- Final text of draft PAR is at:

<http://www.ieee802.org/1/files/public/docs2010/new-seaman-AEbn-par-1110.pdf>

- Final text of 5C is at:

<http://www.ieee802.org/1/files/public/docs2010/new-seaman-AEbn-5c-1110.docx>

Jeffree presented 2010-11-exec-motions.pptx, slides 4-5

Jeffree said that Thompson had switched from no to yes, he was not happy about the resolutions, but he was satisfied.

Thompson said that there is the question of if he is ever happy. Jeffree indicated that they had discussed that.

Thompson asked if the remaining disapproves were 802 or external.

Jeffree said that one was external, not sure about the other.

Motion is 802.1 requests EC conditional approval to forward P802.1AS to RevCom following satisfactory completion of Sponsor recirculation balloting.

Moved by Jeffree, seconded by Thaler

No further discussion

Vote is 15/0/0, motion passes

Motion

- 802.1 requests EC conditional approval to forward P802.1AS to RevCom following satisfactory completion of Sponsor recirculation balloting.
- Proposed: garner Second:
- For: 9 Against: 0 Abstain: 3
- EC proposed: Jeffree Second: Thaler
- For: XX Against: XX Abstain: XX

Supporting material – P802.1AS

- Result at close of ballot 86 Approve (95%) 4 Disapprove (5%) 3 Abstain (3%)
- 93 responses (89%)
- One voter has indicated that he has flipped his vote to Approve on the basis of the comment resolution, so result now:
- 87 Approve (97%) 3 Disapprove (3%) 3 Abstain (3%)
- 19 comments received. Comment disposition is at:
- http://www.ieee802.org/1/files/public/Exec_files/802-1AS-d7-5-dis-v1.pdf
- Recirculation ballot will be started in the next few days; comment resolution (if needed) via regular AVB telecons. If there is a need for a final (no changes to the draft) recirculation that would take place before end of December.

Jeffree presented 2010-11-exec-motions.pptx, slides 6-7

Thompson indicated that 802.1Q goes into lockdown after December.

Jefree said that there are 4 or 5 amendments waiting for Q-Rev to finish.

Thompson asked if there was a plan to roll in the amendments that are in process as part of the revision.

Jeffree said that there is no current plan to do so.

Motion is 802.1 requests approval from the EC to submit 802.1Q-Rev to Sponsor Ballot.

Moved by Jeffree, seconded by Thaler

Vote is 14/0/0, motion passes

MOTION

- 802.1 requests approval from the EC to submit 802.1Q-Rev to Sponsor Ballot.
- Proposed: Haddock Second: Messenger
- For: 23 Against: 0 Abstain: 0
- EC proposed: Jeffree Second: Thaler
- For: XX Against: XX Abstain: XX

Supporting material – P802.1Q-REV

- Recirculation ballot closed 27th October 2010
- 40 Approve (100%), 0 Disapprove, 23 Abstain (37%)

Jeffree presented 2010-11-exec-motions.pptx, slides 8-9

Motion is 802.1 requests approval from the EC to submit 802.1D Reaffirmation to RevCom.

Moved by Jeffree, seconded by Thaler

Vote is 14/0/1, motion passes

MOTION

- 802.1 requests approval from the EC to submit 802.1D Reaffirmation to RevCom.
- Proposed: Haddock Second: Messenger
- For: 23 Against: 0 Abstain: 1
- EC proposed: Jeffree Second: Thaler
- For: XX Against: XX Abstain: XX

Supporting material – 802.1D

- Reaffirmation Sponsor ballot closed 26 May 2010
- 65 Approve (100%), 0 Disapprove, 1 Abstain (1%)
- 82% response rate

Law presented 802d3_1110_closing_EC.PDF, slides 2-4

Law presented IEEE_P802d3_PAR_2010.pdf

Thompson felt that the scope could be shorter, stopping it after "(MIB)"

Motion is: The EC approves the IEEE P802.3 PAR and forwards the PAR to NesCom

Moved by Law, seconded by Thompson

Shellhammer asks if there is an issue with the word Ethernet as a trademark.

Thompson said that Xerox has abandoned it.

Marks asked about the removal of all the precursor information.

Law said that his understanding was that the title was required as part of the ISO standardization process (8802).

Thompson offered a friendly amendment

Motion now states The EC approves the IEEE P802.3 revision PAR and forwards the PAR to NesCom

Vote is 15/0/0, motions passes

ME: IEEE P802.3 (IEEE P802.3bh) Revision PAR to NesCom

IEEE P802.3 (IEEE P802.3bh) revision PAR

- Old title
 - IEEE 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
- New title
 - Standard for Ethernet
- Draft PAR
 - http://www.ieee802.org/3/maint/public/P802_3_PAR_Draft_110910.pdf
- Changes from pre-circulated version
 - Unchanged from version previously circulated.

IEEE P802.3 (IEEE P802.3bh) revision PAR

- The EC approves the IEEE P802.3 PAR and forwards the PAR to NesCom

M: D Law, S:

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

Working Group vote:

Y: 53, N: 0, A: 0

P802.3

Submitter Email: wael.diab@gmail.com

Type of Project: Revision to IEEE Standard 802.3-2008

PAR Request Date: 12-Oct-2010

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for a Revision to an existing IEEE Standard

1.1 Project Number: P802.3

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard for Ethernet

Old Title: IEEE 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

3.1 Working Group: Ethernet Working Group (C/LM/WG802.3)

Contact Information for Working Group Chair

Name: David Law

Email Address: david_law@ieee.org

Phone: +44 131 665 7264

Contact Information for Working Group Vice-Chair

Name: Wael Diab

Email Address: wael.diab@gmail.com

Phone: 4154468066

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

Contact Information for Sponsor Chair

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

Phone: 857.205.0050

Contact Information for Standards Representative

None

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 08/2011

4.3 Projected Completion Date for Submittal to RevCom: 02/2012

5.1 Approximate number of people expected to be actively involved in the development of this project: 150

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

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This document will not include a purpose clause. **Old Purpose:**

5.5 Need for the Project: IEEE Std 802.3-2008 will need to have a revision initiated by 2011 to allow consideration of future amendments per standards board policies. It is expected that this Revision will include the merge of IEEE Std 802.3av-2009, IEEE Std 802.3bc-2009, IEEE Std 802.3at-2009, IEEE Std 802.3-2008/Cor1-2009, IEEE Std 802.3ba-2010, IEEE Std 802.3az-2010, IEEE Std

802.3bg-201x and IEEE Std 802.3bf-201x. Because there are multiple other amendments in the "pipeline", it will be desirable to complete this revision by 2012 to provide a solid base for sponsor balloting of other approved amendment projects. These schedule considerations require that major new capabilities or functional enhancement will have to be deferred to a future amendment project to avoid delaying approved and current proposed new projects.

5.6 Stakeholders for the Standard: Ethernet is pervasive, with a consequent pervasive set of stakeholders. This includes and is not limited to: component providers (e.g., optical transceivers, cabling and integrated circuit), system product providers (e.g., switch and NIC), network providers (e.g. installers, network support, enterprise network implementers), bandwidth providers (e.g., carriers), software providers (e.g., network management), providers of network powered or powering devices, and obviously the users of any of these products or services.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes (Item Number and Explanation): .

Law presented 802d3_1110_closing_EC.PDF, slides 5-8

Thompson said that the terminology should be consistent with 802.1 MIBs

Frazier (Broadcom) said that they are trying to match the terminology used by IETF

Grow (Intel) stated that 802.1 members were allowed to vote.

Motion is The LMSC Executive Committee grant approval to submit IEEE 802.3.1 to Sponsor ballot

Moved by Law, seconded by Thompson

Rosdahl asked about the copyright issue. Will IEEE SA hold back the draft until the copyright issues has been resolved.

Law said that he will check with IEEE SA staff.

Vote is 14/0/0, motion passes

ME: IEEE P802.3.1 Ethernet MIBs to Sponsor ballot

IEEE P802.3.1 Ethernet MIBs

Working Group balloting results

- 3rd Working Group recirculation ballot – draft D2.3
 - Ballot opened 14th October, closed 28th October 2010
 - 98% approval, 0 comments received

	Initial Draft D2.0			1 st Recirculation Draft D2.1			2 nd Recirculation Draft D2.2			3 rd Recirculation Draft D2.3			Req %
	#	%	Status	#	%	Status	#	%	Status	#	%	Status	
Abstain	20	23	PASS	20	23	PASS	20	23	PASS	20	23	PASS	< 30
Disapprove with comment	11	-	-	10	-	-	3	-	-	1	-	-	-
Disapprove without comment	0	-	-	0	-	-	0	-	-	0	-	-	-
Approve	55	83	PASS	56	85	PASS	65	96	PASS	68	98	PASS	≥ 75
Ballots returned	86	57	PASS	86	57	PASS	88	58	PASS	89	59	PASS	≥ 50
Voters	152	-	-	152	-	-	152	-	-	152	-	-	-

IEEE P802.3.1 Ethernet MIBs

Working Group balloting results comments

- No comments received on last recirculation
- 18 remaining unsatisfied comments
 - See file 'P802_3_1_WG_unresolved_1110.pdf'
- No substantive changes need to be made to the draft as a result of the recirculation
- Copyright
 - Received copyright release letter from IETF Trust
 - Need to request copyright releases from 4 more RFC authors
 - IEEE-SA staff will allow us to seek the remaining releases while we are conducting the sponsor ballot

IEEE P802.3.1 Ethernet MIBs to Sponsor ballot

- The LMSC Executive Committee grant approval to submit IEEE 802.3.1 to Sponsor ballot

M: D Law, S:

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

Working Group vote:

Y: 69, N: 0, A: 0

Law presented 802d3_1110_closing_EC.PDF, slides 9-13

Motion is The LMSC Executive Committee grant approval to submit IEEE 802.3bf to Sponsor ballot

Moved by Law, seconded by Thompson

Vote is 14/0/0, motion passes

ME: IEEE P802.3bf Time synchronisation to Sponsor ballot

IEEE P802.3bf Time synchronisation Working Group balloting results

- 1st Working Group recirculation ballot – draft D2.1
 - Ballot opened 5th October, closed 19th October 2010
 - 98.7% approval, 14 comments received

	Initial Draft D2.0			1 st Recirculation Draft D2.1			Req %
	#	%	Status	#	%	Status	
Abstain	9	11.4	PASS	7	8.5	PASS	< 30
Disapprove with comment	11	-	-	1	-	-	-
Disapprove without comment	0	-	-	0	-	-	-
Approve	61	85.7	PASS	74	98.7	PASS	≥ 75
Ballots returned	81	54.9	PASS	82	56.9	PASS	≥ 50
Voters	144	-	-	144	-	-	-

IEEE P802.3bf Time synchronisation 1st Working Group recirculation ballot (D2.1) comments

- 14 comments received on last recirculation
 - <http://www.ieee802.org/3/bf/comments/>
 - 3 TRs, 2 were restatements of D2.0 TRs, one on a change
 - Commenters have indicated satisfaction with responses
 - 2 ERs, both were restatements of D2.0 TRs
 - Commenter indicated satisfaction with responses to one
 - 5 satisfaction at resolution to previous comments
 - 3 on fixing editorial copy-paste error
 - 1 remaining unsatisfied ER comment
 - Capitalization convention (see next slide)
 - No substantive changes need to be made to the draft as a result of the recirculation
 - IEEE 802.3 Working Group approval also given to pre-submit to March RevCom meeting
 - Approval for the submittal to remain on the RevCom agenda will be required in March from the IEEE 802.3 WG and EC

IEEE P802.3bf Time synchronisation 1st Working Group recirculation ballot (D2.1) unsatisfied comment #327

Cl 00 SC 0 P L # 327
Thompson, Geoff GraCaSI

Comment Type ER *Comment Status* R

RE: D1.0 Comment #269

The response as it shows up in D2.0 does not satisfactorily addresses my concern expressed in my D1.0 Comment #269.

The rationale provided says that because this (poor) capitalization convention is used outside and we have occasion to use such terms then that is the reason we should adopt such poor conventions within our own standards for all of the terms that we create within our own standards. We can do better

Suggested Remedy

Implement my original recommendation as expressed in D1.0 comment #269

Response *Response Status* W

REJECT.

This comment is a restatement of comment #269 D2.0, which was previously rejected and has already been re-circulated.

The comment resolution committee has given this comment due consideration during resolution of D2.0 comments and decided the existing acronym did not raise any concerns in terms of capitalization. MEC on D2.1 also returned no concerns from IEEE staff editor.

IEEE P802.3bf Time synchronisation to Sponsor ballot

- The LMSC Executive Committee grant approval to submit IEEE 802.3bf to Sponsor ballot

M: D Law, S:

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

Working Group vote:

Y: 66, N: 0, A: 0

Law presented 802d3_1110_closing_EC.PDF, slides 14-20

Motion is The LMSC Executive Committee grant approval to submit IEEE 802.3bg to Sponsor ballot

Moved by Law, seconded by Gilb

No discussion

Vote is 14/0/0, motion passes

**ME: IEEE P802.3bg
40Gb/s Single-mode Fibre
PMD to Sponsor ballot**

IEEE P802.3bg Single-mode Fibre PMD Working Group balloting results

- 1st Working Group recirculation ballot – draft D2.1
 - Ballot opened 4th October, closed 23th October 2010
 - 98.7% approval, 2 comments received

	Initial Draft D2.0			1 st Recirculation Draft D2.1			Req %
	#	%	Status	#	%	Status	
Abstain	3	3.6	PASS	3	3.5	PASS	< 30
Disapprove with comment	9	-	-	1	-	-	-
Disapprove without comment	0	-	-	0	-	-	-
Approve	71	88.7	PASS	82	97.6	PASS	≥ 75
Ballots returned	83	57.6	PASS	86	59.7	PASS	≥ 50
Voters	144	-	-	144	-	-	-

IEEE P802.3bg Single-mode Fibre PMD Working Group recirculation ballot (D2.1) comments

- 2 comments received on last recirculation
<http://www.ieee802.org/3/bg/comments/>
 - No TR or ER comments
- 2 remaining unsatisfied TR comments (see next slide)
 - Link budge methodology
- No substantive changes need to be made to the draft as a result of the recirculation
- IEEE 802.3 Working Group approval also given to pre-submit to March RevCom meeting
 - Approval for the submittal to remain on the RevCom agenda will be required in March from the IEEE 802.3 WG and EC

IEEE P802.3bg Single-mode Fibre PMD Working Group recirculation ballot unsatisfied comment D2.0 #60

CI 00 SC 0 P1 L30 # 60
Dawe, Piers IPtronics

Comment Type TR *Comment Status* R

An objective is "Provide Physical Layer specification which support 40 Gb/s operation over at least 2 km on SMF" and from the PAR, "5.4 Purpose: This project will define a 40 Gb/s serial PMD that supports a link distance of at least 2km over single-mode fiber ... which will enable interconnection ...". This draft allows excessive penalties and I do not believe it provides a robust interoperability spec. The transmitter can pass the draft and be poor, and the receiver can pass the draft and fail to receive that transmitter after the fibre. Some changes are needed to come up to 802.3's traditional standards for an interoperability spec.

SuggestedRemedy

See other comments for remedies

Response *Response Status* U

REJECT.
The level of interoperability provided by the specifications for VSR2000-3R2 in G.693 has not been demonstrated to be inadequate by industry use and Clause 89 follows this methodology.
This comment does not propose any specific changes to the draft, for these see the other comment responses.

IEEE P802.3bg Single-mode Fibre PMD 1st Working Group recirculation ballot unsatisfied comment D2.0 #61

CI 89 SC 89.6.1 P37 L14 # 61
Dawe, Piers IPtronics

Comment Type TR *Comment Status* R

I do not believe that this draft is "optically compatible with existing carrier 40Gb/s client interfaces" (from the PAR and objectives).
An implementer could make a very slow transmitter with excessive transmitter penalty as long as he got the dispersion penalty OK, and call it compliant. I don't believe that existing VSR2000-3R2 transmitters are that bad, and I don't believe that existing VSR2000-3R2 receivers could receive this worst allowed signal with confidence, and I doubt that folks want to redesign their receivers.
A motion in Geneva doesn't fix this.
Notice that TDP uses the same with/without dispersion measurement that this draft uses already. After the sensitivity to the reference transmitter has been established as a one-off, using a TDP spec will be a cost-effective way to plug the gap and avoid interoperability problems.

Suggested Remedy

As TDP uses the same tests as DP, after the reference transmitter/sensitivity has been established as a one-off, using a TDP spec will be a cost-effective way to plug the gap and avoid interoperability problems. Suggested TDP limit 3.3 dB (the largest limit in 802.3ae less the polarisation penalty here).

IEEE P802.3bg Single-mode Fibre PMD 1st Working Group recirculation ballot unsatisfied comment D2.0 #61 (cont)

Response

Response Status U

REJECT.

Including TDP in the transmitter spec would be inconsistent with Motion #1 from the Geneva Task Force meeting in May 2010.

Move to adopt the ITU-T style of optical power budget specification as proposed in slide 4 of anslow_03_0510.

Y: 32, N: 0, A: 0

There is an eye mask requirement to protect against excessively slow transmitter waveforms. The dispersion penalty is measured with the actual transmitter and therefore takes in to account any effect of a slow transmitter waveform and includes the effect of reflections. The PMD penalty has been significantly reduced due to the response to comment #62 which has changed DGD_max to 3ps.

This means that a TDP test is not required to ensure interoperability.

The level of interoperability provided by the specifications for VSR2000-3R2 in G.693 has not been demonstrated to be inadequate by industry use and Clause 89 follows this methodology.

IEEE P802.3bg Single-mode Fibre PMD to Sponsor ballot

- The LMSC Executive Committee grant approval to submit IEEE 802.3bg to Sponsor ballot

M: D Law, S:

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

Working Group vote:

Y: 56, N: 0, A: 0

Kraemer presented 11-10-1393-00-0000-nov-2010-802-11-motions-for-ec.ppt, slide 2

Motion is to forward the 802.11 FIA PAR information contained from 11-10-1152r1 to NesCom.

Moved by Kraemer, seconded by Rosdahl

Rosdahl said that there was a mistake, it was listed as an revision, rather than an amendment.

Marks said that there were different questions based on the PAR type.

Thompson said that the intention was clear and that this was simply a mistake.

Vote is 15/0/0, motion passes

802.11 FIA PAR Motion

- **Believing that the FIA PAR contained in the document referenced below meets IEEE-SA guidelines,**
- **Move to forward the 802.11 FIA PAR information contained from 11-10-1152r1 to NesCom.**
- **Moved: Bruce Kraemer**
- **Seconded:**

- **WG11 Result: 70,0,4 (PAR); 42,0,4 (5C)**
- **See:**
<https://mentor.ieee.org/802.11/dcn/10/11-10-1152-01-0fia-fast-initial-link->
- **See:**
<https://mentor.ieee.org/802.11/dcn/10/11-10-1153-00-0fia-fast-initial-link->

Kraemer presented 11-10-1393-00-0000-nov-2010-802-11-motions-for-ec.ppt, slide 3

Thompson pointed out that the changes were not due to any comments received in ballot.

Motion is Request the IEEE 802 Executive Committee for conditional approval to forward P802.11u D13.0 to RevCom.

Moved by Kraemer, seconded by Rosdahl

Vote is 15/0/0, motion passes

802.11 EC Motion – Conditional Approval to send P802.11u to RevCom

- **Request the IEEE 802 Executive Committee for conditional approval to forward P802.11u D13.0 to RevCom.**
- **Moved: Bruce Kraemer**
- **Seconded:**
- **WG11 Result: 44, 0, 0**
- **Report in**
<https://mentor.ieee.org/802.11/dcn/10/11-10-0872-03-000u-tgu>

Kraemer presented 11-10-1393-00-0000-nov-2010-802-11-motions-for-ec.ppt, slide 4

Jeffree asked what were the type of comments

Kraemer said that the issue is that two of the voters feel that one of new features is out of scope.

Thompson said that since the same issue has been recirculated more than once and had only had the two voters agree.

Hawkins said that it appeared that the issue is that the voters feel that feature is out of scope.

Bill Marshall (AT&T) spoke, he feels that the group has gone astray adding new features that do not deal with network management. He felt that because it was a network management PAR, it attracted a pool of voter who would not be competent to judge MAC level enhancements.

Dorothy Stanley (Aruba Networks) said that the ballot resolution committee has reviewed the comments submitted and has voted that the features are within scope. There is a difference of opinion on this issue.

Hawkins since the PAR is of the Sponsor, we should be the ones to judge if it is in scope.

Rosdahl presented the 802.11v PAR.

Gilb said that it appeared that the scope is only for network management.

Motion is Request the IEEE 802 Executive Committee for conditional approval to forward P802.11v D16.0 to RevCom.

Moved by Kraemer, seconded by Rosdahl

Vote is 12/0/3, motion passes

802.11 EC Motion – Conditional Approval to send P802.11v to RevCom

- **Request the IEEE 802 Executive Committee for conditional approval to forward P802.11v D16.0 to RevCom.**
- **Moved: Bruce Kraemer**
- **Seconded:**

- **WG11 Result: 40,0,1**
- **Report in:**
<https://mentor.ieee.org/802.11/dcn/10/11-10-0800-08-000v-tgv-ec-report-to>
- **Unsatisfied Comments in:**
<http://www.ieee802.org/11/temp/2010-11-08%20TGv%20D15.0%20Repo>

4.31	ME*	802.11 revision plan to RevCom	Kraemer	0
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Approved as part of the consent agenda

5.00	Executive Committee Study Groups, Working Groups, TAGs			
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5.01	MI	802.3 100 Gb/s Ethernet electrical backplane and copper cable assemblies new study group	Law	5	03:09 PM
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Law presented 802d3_1110_closing_EC.PDF, slides 21-22

Motion is The LMSC Executive Committee grants approval for the formation of the 100Gb/s Ethernet Electrical Backplane and Twinaxial Copper Cable Assemblies Study Group within 802.3.

Moved by Law, seconded by Thompson

Lemon asked what the cable assembly has to do with the backplane?

Law said it was two PHYs, both electrical not optical.

Shellhammer asked if they would be separate PARs?

Law said it may or may not be.

Hawkins asked if they were specific with 100 Gb/s.

Law said yes, they wanted to reuse the MAC

Vote is 14/0/1, motion passes

ME: 100Gb/s Ethernet Electrical Backplane and Twinaxial Copper Cable Assemblies Study Group

IEEE 802.3 100Gb/s Ethernet Electrical Backplane and Twinaxial Copper Cable Assemblies Study Group

Motion:

The LMSC Executive Committee grants approval for the formation of the 100Gb/s Ethernet Electrical Backplane and Twinaxial Copper Cable Assemblies Study Group within 802.3

M: D Law, S:

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

120 CFI attendees, 64 interested in participating

Working Group vote:

Y: 59 N: 0 A: 1

Kraemer presented 11-10-1393-00-0000-nov-2010-802-11-motions-for-ec.ppt, slide 8

Motion is to extend the 802.11 FIA Study Group

Moved by Kraemer, seconded by Heile

No discussion

Vote is 15/0/0, motion passes

802.11 FIA SG Extension

- **Move to extend the 802.11 FIA Study Group**
- **Moved: Bruce Kraemer**
- **Seconded: Bob Heile**

- **WG11 Result: For: 68, 0, 4**

Heile presented 15-10-0938-01-0000-closing-ec-package-2010-11.ppt, slide 36

Motion is that the PSC SG be renewed.

Moved by Heile, seconded by Gilb

No discussion

Vote is 15/0/0, motion passes

Thompson said that Nikolich did not open the window very wide for discussion.

Study Group Renewals

Motion: that the MBAN SG be renewed (contingent renewal)
(WG Vote 35/0/1)

Moved: Heile, Second: Gilb

Motion: that the LECIM SG be renewed
(WG Vote 37/0/0)

Moved: Heile, Second: Gilb

Approved on the consent agenda

Motion: that the PSC SG be renewed
(WG Vote 36/0/0)

Moved: Heile, Second: Gilb

Heile presented 15-10-0938-01-0000-closing-ec-package-2010-11.ppt, slide 36

Motion is that the MBAN SG be renewed.

Moved by Heile, seconded by Gilb

No discussion

Vote is 14/0/1, motion passes

Study Group Renewals

Motion: that the MBAN SG be renewed (contingent renewal)
(WG Vote 35/0/1)

Moved: Heile, Second: Gilb

Motion: that the LECIM SG be renewed
(WG Vote 37/0/0)

Moved: Heile, Second: Gilb

Approved on the consent agenda

Motion: that the PSC SG be renewed
(WG Vote 36/0/0)

Moved: Heile, Second: Gilb

5.05	MI*	802.15 Low energy critical infrastructure monitoring (LECIM) (1st extension)	Heile	0	
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Approved as part of the consent agenda

5.06	MI	802.15 TVWS PHY for 15.4 for smart grid applications	Heile	5	03:18 PM
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Heile presented 15-10-0938-00-0000-closing-ec-package-2010-11.ppt, slides 37-38

Motion is That 802 EC approve the formation of a study group in 802.15 to develop a PAR and 5c documents for the amendment of IEEE 802.15.4 for operation in TV White Space, with particular consideration for SmartGrid applications.

Moved by Heile, seconded by Gilb

Shellhammer asked how this would work with the other smart grid activity.

Heile said that it is a smart utility network (meters), not smart grid (transmission).

Kraemer said that 802.19, 802.22 and 802.11 are already working in this space. He asked if this was focused in a certain regulatory domain or if it was world wide.

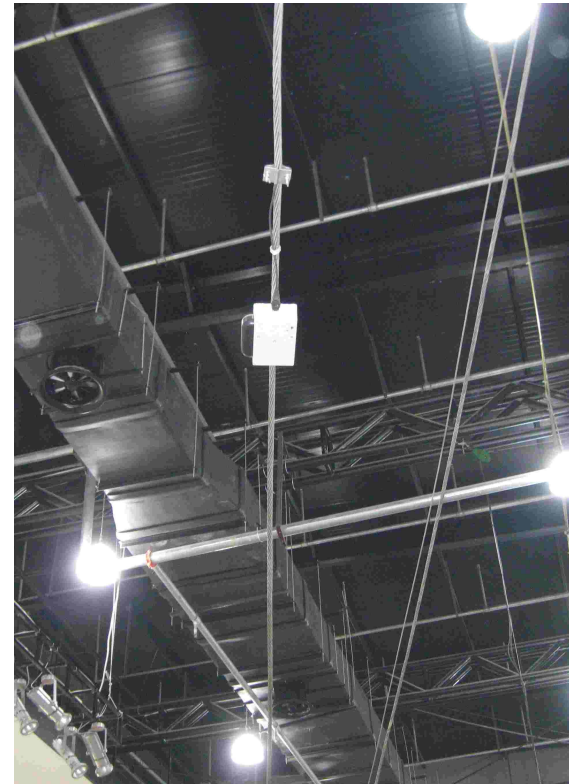
Heile said that it was world wide.

Thompson said that he did not have a problem with the title for a study group, but that for a scope it would have to be much narrower.

Vote is 13/0/2, motion passes

New Study Group

PAR and 5C for an amendment of IEEE 802.15.4 for operation in TV White Space, with particular consideration for SmartGrid applications.



New Study Group

Motion:

That 802 EC approve the formation of a study group in 802.15 to develop a PAR and 5c documents for the amendment of IEEE 802.15.4 for operation in TV White Space, with particular consideration for SmartGrid applications.

(WG Vote 45/0/3)

Moved: Heile

Second: Gilb

6.00 Break 10 03:25 PM

Meeting recessed at 3:25 pm, to restart at 3:35 pm.

Meeting called to order at 3:37 pm

Nikolich called up Hawkins and presented him with a card, for which the audience applauded.

7.00

LMSC Internal Business

7.01 MI Suggested change to Chair's guidelines posted Rosdahl 5 03:37 PM

Rosdahl presented ec-10-0019-02-00EC-chairs-guideline-addition-interim-ec-meetings.doc

Motion is to approve the addition of section "2.13 Chair's guidelines regarding 802 EC Interim Teleconference Meeting" as contained in document EC-10/0019-02.

Shellhammer asked what decisions could be made in an emergency EC meeting.

Nikolich said that it would be whatever was in the posted agenda.

Marks suggested to change "emergency" to "urgent"

Thompson noted that everything is urgent when you approach a deadline. Would suggest that the topics for "urgent meetings" be left to specific topic categories.

Marks said that this should be triggered by something unexpected or unanticipated.

The section now says "On rare occasions, there may be a need for an Urgent EC Meeting by teleconference to address unexpected circumstances that require quick response. If the Sponsor Chair decides an Urgent EC meeting is in order, the notification requirement may be as little as 24 hours.

Wael Diab asked if 48 hours would be more appropriate.

Nikolich said no, 24 hours needed to be the minimum.

Andrew Myles (Cisco)

Marks asked if the Chair's guidelines were normative.

Nikolich said no, but it is being used

Rosdahl said that each section is listed if it was developed by the chair or if it was approved by the EC.

Motion is to approve the addition of section "2.13 Chair's guidelines regarding 802 EC Interim Teleconference Meeting" as contained in document EC-10/0019-03.

EC-10/0019-03 is a revision of EC-10/0019-02 with the changes to the last section as shown.

Moved by Rosdahl, seconded by Jeffree

Vote is 15/0/0

**IEEE 802
Executive Committee**

Chairs Guideline addition-- Interim EC Meetings**Date:** 2010-11-11**Author(s):**

Name	Affiliation	Address	Phone	email
Jon Rosdahl	CSR	Highland, UT	801-492-4023	jrosdahl@ieee.org

Abstract

Chair's Guideline addition proposed text for Interim EC Meetings.

The 802 EC is planning to improve communication and efficiency in completion of Executive Committee assignments. This Submission proposes the text to include as guidelines for Executive Committee teleconferences to be held 3 times a year to help increase the efficiency of the committee

2.13 Chair's guidelines regarding 802 EC Interim Teleconference Meeting

1. **Interim Schedule:**

Tentatively, the EC Interim Teleconference is to be held on the 1st Tues of Feb, June, and Oct. The actual date is confirmed by the EC during the closing plenary prior to the interim meeting.

2. **Interim Meeting Notifications:**

Notification of the EC Interim Meeting Teleconference agenda shall be made 15-days prior to the interim meeting and shall be announced on the 802 EC reflectors. The meeting shall be open for observers and there should be resources for approximately 50 ports provided for the teleconference. The notification shall provide the proposed agenda and call-in information.

3. **Interim Meeting Duration:**

The duration of the teleconference shall be limited to 2 hours.

4. **Interim Meeting Quorum requirement:**

A quorum requirement exists as stated in LMSC P&P clause 6.1 the call.

5. **Scope of Interim Meeting:**

The scope of the teleconference is limited. Typically the EC will conduct all of its business during the plenary face-to-face meetings. However, there are occasions where topics fail to have sufficient time for a complete discussion during the plenary session. Topics that may be discussed during the EC interim conference call may include the following topics:

- i. Cross WG collaboration/competition
- ii. Standard Development Efficiency
- iii. IEEE-SA items
- iv. 802 Task Force reports
- v. Review of Chairs Guidelines

Topics that may require discussion and a decision by the EC are limited to the same list that is currently available for EC E-Mail Ballots and shall be included on the distributed agenda:

- vi. Press release, Liaisons, MOU etc.
- vii. Approval for RevCom -
- viii. Approval for Sponsor Ballot -
- ix. Meeting venue selection approval

6. **Out of Scope topics for Interim Meetings:**

Topics of discussion and decisions that are out of scope for the interim teleconference include topics that require working group input and/or discussion such as PAR Approval.

7. Emergency EC Teleconference Meeting Exception:

On rare occasions there may be a need for an Emergency EC Meeting by teleconference. If the Sponsor Chair decides an Emergency EC meeting is in order, the notification requirement may be as little as 24 hours.

References:

802_Chair_Guidelines_rev1.9.6.pdf:

http://ieee802.org/misc-docs/802_chair_guidelines_rev1.9.6.pdf

Law presented "8d01_industry_connections.pdf"

John D'Ambrosia (Force 10 Networks) came forward to answer questions.

Thompson stated that if it is put under the SA, it will be subject to all the SA rules. His guess is that it will default to the restrictions in place for standards development (i.e., commercial presentations).

D'Ambrosia said that this is only information gathering and will not necessarily result in a project.

Kraemer said that this was introduced as an internal motion, but it isn't. He asked to see the motion.

Law said that the rules are that any company is able to start this group.

Law presented the motion:

Motion is The IEEE 802 LMSC supports development of Industry Connections activities and charters John D'Ambrosia to work with the Industry Connections to develop appropriate approval documentation for a pilot program for "Ethernet Wireline Bandwidth Needs" with the expectation that oversight would be delegated to 802.3.

Law said that the process is to start this and then come back with the form for approval by 802 EC.

Kraemer wanted to know what the next check point would be.

Law said that the next one would be the initiation document (approved by the 802 EC by email ballot) and the SA BoG.

Law clarified that if it was going for joint sponsorship then it would need to be approved by the 802 EC and the BoG

Thompson asked if participants would have the standards indemnification

Law said yes, that was one of the features.

Nikolich said that oversight should be delegated to the Chair of 802.3.

Frazier asked if the Industry Connections needed 802's support.

Law said no.

Frazier said that it is not clear that this motion is needed.

Gilb asked for the time frame.

Law said that the goal was to put it on the December SA board agenda.

D'Ambrosia said he was looking for a one-year study to be presented in 2012.

Motion is now The IEEE 802 LMSC supports development of Industry Connections activities and charters John D'Ambrosia to work with the Industry Connections program to develop appropriate approval documentation for an 18 month pilot program for "Ethernet Wireline Bandwidth Needs" with the expectation that oversight would be delegated to IEEE Chair 802.3.

Moved by Law, seconded by Gilb

Vote is 10/3/1, motion passes

8.01 MI: IEEE-SA Industry connections activities related to IEEE 802 activities

IEEE-SA Industry connections activities related to IEEE 802 activities

- The IEEE 802 LMSC supports development of Industry Connections activities and charters John D'Ambrosia to work with the Industry Connections to develop appropriate approval documentation for a pilot program for "Ethernet Wireline Bandwidth Needs" with the expectation that oversight would be delegated to 802.3
- M: D Law, S:

8.02 II 802.1 liaison response to ITU-T Q9/15 LS-197 Jeffree 3 04:18 PM

Jeffree discussed the liaison response documents. The documents have been posted to the 802.1 website, the URLs are in the package materials.

No discussion and/or questions.

8.03 II 802.1 liaison response to IETF regarding L2VPN OAM Jeffree 3 04:31 PM

Covered in the above discussion.

8.04 ME Contribution to the ITU-R Director, Proposed Communication to ITU regarding 4G Wireless Technology, Doc.. 18-10-0073-00. Lynch 10 04:34 PM

Lynch presented 18-10-0073-00

Motion is To approve document: 18-10-0073-00 as an 802 document, authorizing the Chair of 802.18 to do necessary editorial and formatting changes and, using the document as a "template", create the appropriate input to the ITU-R Director. 802.18 approved this document by a vote of 4/1/1

Marks spoke regarding the document.

Moved by Lynch, seconded by Marks.

Kraemer said that this topic came up during the .11 plenary. The group's position is to oppose the letter. One issue is what is the urgency of the letter. The other issue is that the group could not approve the contents of the letter as written, and the answer was no. Furthermore, the group felt that there was not enough time to rewrite the letter. Other comments were regarding if this was a technical issue or if this is a marketing issue handled through other vehicles. 802.11 wanted to work over the holidays to make

Gilb asked why it says IEEE

Lynch said it is because IEEE is the sector member of ITU-R.

Marks said that IEEE is the member of ITU-R. He suggests changing it so that it identifies the source as IEEE 802 and in the rest of the document use "we"

Shellhammer asked who else would need to approve it.

Law said that Lynch is the IEEE external representative. However, there is an owning board committee for that group. For ITU-R external, it is the IEEE SA board.

Rosdahl said that his understanding is that in the document itself, it is referring to the IEEE representative to ITU-R.

Law quoted from the rules that the representative is to represent the IEEE SA position.

Thompson said that the motion should say that it should be in the motion that this is a draft that would be passed up to the standards board for approval.

Kraemer said that in the press release, 802.16m was recognized as "true 4G", but 802.16e or 802.16d were not.

Marks said that while one of two were recognized, it excluded all other technologies.

Kraemer said that he was in the room when 4G issues was debated and the ITU was reluctant to identify anything as 4G. He wondered if part of the issue was if the ITU has the right to declare what is 4G.

Marks covered the quote from WP 5D's meeting regarding the use 4G. The announcement is inconsistent with what the groups decided.

Shellhammer said that we are reprimanding them for breaking their own rule. What is our motivation for calling them on this.

Marks said that it is because people will assume that ITU-R is defining what is 4G.

Grow said that the letter is very critical of ITU in its tone. If it goes out as is, it will be cause problems in IEEE due to its tone. We should approach it from the position of a partner, rather than a critic.

Thompson suggested changing the language of the motion. He noted that we agreed to changing the language to "we" If it stays as IEEE, it has to go to the standards board for approval. If it goes to IEEE, then the motion would be:

Motion is to approve document: 18-10-0073-00 as an 802 document, authorizing the Chair of 802.18 to do necessary editorial and formatting changes and, using the document as a “template”, create the appropriate input and forward this document to the SASB for submission to the ITU-R Director. 802.18 approved this document by a vote of 4/1/1

Lynch is OK with the amendment.

Marks said that thought it would be fine to call it out as IEEE 802 and submit it this way using the standard 802.18 boilerplate.

Nikolich asked if the mover and seconder would be willing to move this to 802 EC letter ballot. Nikolich asked what changes could be made to the motion so it could be passed at this time.

Marks said he would suggest submitting it as an 802 document.

Motion now reads:

Motion is to approve document: 18-10-0073-00 as an 802 document, authorizing the Chair of 802.18 to do necessary editorial and formatting changes (to include changes clarifying that the letter is from IEEE 802) and, using the document as a “template”, create the appropriate input and forward the letter to the ITU-R technical liaison for submission to the ITU-R Director. 802.18 approved this document by a vote of 4/1/1

Nikolich pulls the item from the agenda to be done on EC ballot.

Kramer wants to allow comments on the document.

Nikolich confirms that will be the case.

ITU-R Liaison Group**DRAFT "Proposed Communication to ITU regarding 4G Wireless Technology"**

To: Mr. Valery Timofeev, Director, Radiocommunication Bureau, ITU

From: IEEE

Dear Mr. Timofeev,

IEEE has taken note of ITU's press release of 21 October, entitled "ITU paves way for next-generation 4G mobile technologies: ITU-R IMT-Advanced 4G standards to usher new era of mobile broadband communications." IEEE appreciates the acknowledgement within that announcement that the WirelessMAN-Advanced technology, proposed by IEEE, "met all of the criteria established by ITU-R for the first release of IMT-Advanced" and was "accorded the official designation of IMT-Advanced."

In addition, we have taken particular note of the fact that ITU's announcement has specifically identified IMT-Advanced as the "global 4G mobile wireless broadband technology" and indicated that only IMT-Advanced technologies are "true 4G." We are particularly concerned with this usage of the term "4G." While we expected the ITU's news to lead to a positive reaction, we have observed that most of the responses have been negative, with a focus on technologies that were *not* accorded IMT-Advanced status. Many of these technologies are considered by industry to be "4G" mobile wireless broadband technologies. ITU, by designating only IMT-Advanced as "true 4G," has implied that other technologies labeled as 4G must be "false 4G" technologies. Thus, the negative focus follows naturally.

IEEE's view is that a number of technical features have been joined together in the newest generation of mobile wireless broadband technology, and that those features are common across a set of technologies arising from independent standardization bodies. Therefore, it is natural that this set of features would be seen by industry as a new generation, the fourth such generation. IEEE understands that other organizations may have differing views of the definition of "4G," so IEEE does not claim to have the sole legitimate understanding of the term and would not claim to control the single "true" definition. By the same token, IEEE is concerned when other organizations make such claims. In particular, we are very concerned when ITU, given its intergovernmental status, undertakes to redefine a broadly used industry term with a restrictive meaning incompatible with industry usage.

Please understand that the decision to incorporate IEEE technology in IMT-Advanced was the result of a long term effort. IEEE informed ITU-R Working Party 8F in 2006 that it was initiating the 802.16m standardization activity specifically to develop standardized technology to meet ITU-R's IMT-Advanced requirements, which, at the time, were not yet specified. IEEE has been significantly engaged over the last four years in developing the relevant standard, while regularly preparing exhaustive, detailed technical input to ITU-

R Working Party 5D in support of the developing proposal. IEEE also worked diligently with other parties (namely, the Administration of Japan and the TTA) that separately submitted the IEEE's technology.

During the four-year development program, IEEE very clearly and specifically proposed technology for IMT-Advanced. At no time did IEEE ever submit a proposal to have its technology identified as "4G." IEEE's has not requested that the WirelessMAN-Advanced technology be identified as "4G" and has not been consulted regarding ITU's intent to label the technology as such.

In fact, while we are disappointed at ITU's action, we are also puzzled by it because we cannot understand the justification or rationale for the announcement. To our knowledge, no action within the ITU has authorized any ITU body to develop any specification for "4G." Therefore, we fail to understand why the ITU would take the step of declaring an ITU definition of "true 4G" based on the unauthorized action of a single Working Party within an ITU-R Study Group.

Furthermore, we would like to seek further clarification as to how and when ITU-R Working Party 5D made the decision described in the announcement of 21 October. Our representatives present throughout the process are unaware of any decision to name IMT-Advanced as "4G." In fact, we would like to call your attention to the ITU-R Working Party 5D Chairman's Report (R07-WP5D-C-0242! H01) from Meeting #2 (24 June to 1 July 2008, in Dubai), including the following information:

7.1 On the Use of the Term "4G"

WP 5D held discussion in the 1st meeting on the view on using the term "4G" in ITU-R. It was requested that this view be re-examined. The WP 5D opening plenary reached the conclusion presented below and it was requested that the view of the meeting be captured in the Report of the meeting.

WP 5D view on the use of the term "4G".

There was general agreement in Working Party 5D with the sentiment expressed in Document 5D/32 that the ITU should use the term IMT (including IMT-2000 and IMT-Advanced). The term "4G" should be avoided. It is the view that WP 5D can (and will) apply this agreement, including the avoidance of the use of the term "4G", in its' own deliverables. However, it is further noted that WP 5D has no authority to dictate what terms or terminology will be used by the ITU as a whole. Nonetheless, WP 5D would suggest the ITU-R in its documentation might wish to consider a similar view with regard to the use of the term IMT (including IMT-2000 and IMT-Advanced) and the avoidance of the term "4G".

It was further suggested to bring this view of WP 5D to the attention of Study Group 5 and the Director of the BR.

It is IEEE's understanding that this decision of ITU-R Working Party 5D was *against* the use of the term "4G." The decision was based on Document ITU-R 5D/32, from the Administration of Canada, and on Canada's followup contribution Document ITU-R 5D/162. ITU-R 5D/32 argues that:

Therefore it is not possible to uniquely define “4G” even though it has already been used extensively in the literature and some entities have attempted to provide definitions. In the future, it may be easier to look back and attempt to characterize the latest generations of mobile wireless networks. Governments, institutions and commercial entities are looking to the ITU-R for guidance and they should be urged to refer to the emerging systems by their names, without attaching any labels referring to generations.

5D/32 specifically proposed the following:

It is proposed that the term “4G” not be used in ITU-R documentation.

Given the serious impact of the ITU’s declaration of IMT-Advanced as “4G,” and given our understanding of the background for this declaration, IEEE proposes that ITU revise the announcement of 21 October to eliminate all references to “4G” and to state that ITU takes no view regarding the definition of 4G mobile wireless broadband technology.

8.05	ME*	IEEE 802.3 Liaison response to ITU-T SG15 on OTNT standardisation work plan	Law	0
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Approved as part of the consent agenda.

8.06	ME	IEEE 802.3 Liaison to ISO/IEC JTC1 SC6 WG1 with respect to ISO/IEC 8802-3:2000	Law	10	04:56 PM
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Law presented IEEE802d3_to_JTC1_SC6_01_1110.pdf

Motion is The LMSC Executive Committee approves the letter IEEE802d3_to_JTC1_SC6_01_1110.pdf, with editorial license granted to the Chair (or his appointed agent), as a liaison communication from the IEEE 802.3 working group ISO/IEC JTC1 SC6 WG1 with respect to ISO/IEC 8802-3:2000.

Moved by Law, seconded by Thompson

Andrew Myles said that the PSDO will expire at the end of this year and it may be more powerful to delete references to the PSDO.

Law asked if perhaps it would be best to take it off the table and discuss it in the ad hoc this evening.

Marks asked if perhaps we are going to ask if the content is going to be withdrawn, then we should ask them not to amend it either.

Jeffree indicated that this will be part of this evening's discussion.

Thompson made a point of order, there is a motion on the table, we can't just say we are going to discuss it later.

Nikolich asked Thompson what should be done.

Thompson made a motion to table the motion, seconded by Lemon

Vote 11/2/2, motion is tabled.

To:
Convenor of ISO/IEC JTC1 SC 6
Secretariat of ISO/IEC JTC1 SC 6
TBD at ISO/IEC Central Office/Secretariat

Copy:
Chair, of ISO/IEC JTC1 SC 6/WG1
Terry deCourcelle, IEEE-SA
Paul Nikolich, Chair, IEEE 802
Chair, US TAG for ISO/IEC JTC1 SC 6
Mr. Robin Tasker, UK Delegate

Colleagues

It has recently been called to our attention that a project is being proposed in of ISO/IEC JTC1 SC 6 that indicates reference to and/or modification of ISO/IEC 8802-3 2000.

ISO/IEC 8802-3 2000 is the most recent version of ISO/IEC 8802-3 but is not the most recent version of this technical work. ISO/IEC 8802-3 2000 was intended to be a technically identical shadow edition of IEEE Std 802.3. As IEEE 802.3 standards gained international recognition, the activity to produce a shadow ISO/IEC edition of each revision of IEEE Std 802.3 was dropped.

The approval of the PSDO by both the IEEE and ISO in xxx of 200n formalized the full recognition by ISO and JTC1 of IEEE Standards for reference purposes in the development of ISO and JTC1 standards.

Given that the current revision of IEEE Std 802.3 (now at 2008) has received significant updates and amendments since 2000, it is the standard that should be used for international reference purposes as authorized by the PSDO.

We therefore requested that ISO/IEC 8802-3 be formally withdrawn from the list of active standards. We believe that this withdrawal is appropriate and is necessary to avoid any confusion both now and the future.

Sincerely,

David J. Law
Chairman, IEEE 802.3 Working Group

8.07 II ISO/IEC/JTC1/SC6/WG1 ad hoc meeting logistics Nikolich 5 05:06 PM

Nikolich discussed the ad hoc meeting that will take place tonight. After the EC meeting finishes, we will move to Reunion G-H and food will be provided. The meeting will run from 6:30-8:30 pm.

8.08 ME JTC1 Liaison letters, 11-10-01358-01 Kraemer 5 05:10 PM

Kraemer presented 15-10-0938-00-0000-closing-ec-package-2010-11.ppt, slide 6

Motion is to liaise the letter contained in 11-10-1359r0 to ISO/IEC JTC1/SC6. This letter provides a request to SC6 to obtain identifiers for WAPI from the IEEE 802.11 ANA. The letter should be sent to the SC6 Secretariat for distribution to the membership of ISO/IEC JTC1/SC6. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.

Moved by Kraemer, seconded by Jeffree

Jeffree asked what "liaise the letter" means.

Kraemer said it means "send the letter"

Jeffree suggested change the motion, motion now reads

Motion is to send the letter contained in 11-10-1359r0 to ISO/IEC JTC1/SC6. The letter should be sent to the SC6 Secretariat for distribution to the membership of ISO/IEC JTC1/SC6. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.

Marks suggested removing "or distribution to the membership of ISO/IEC JTC1/SC6"

Motion now reads:

Motion is to send the letter contained in 11-10-1359r0 to ISO/IEC JTC1/SC6. The letter should be sent to the SC6 Secretariat. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.

Marks wondered about the word "ratify", thought that "approve" would be better.

Kraemer said he would make the change as part of the editorial changes.

Thompson said that a copy of the letter should be sent to the RAC as it implies that the ANA is the registration authority for this 802.11.

Kraemer said that he would send the letter to the IEEE RAC as well.

Vote is 11/0/3, motion passes

JTC1 Motion 1

- Move to liaise the letter contained in 11-10-1359r0 to ISO/IEC JTC1/SC6. This letter provides a request to SC6 to obtain identifiers for WAPI from the IEEE 802.11 ANA. The letter should be sent to the SC6 Secretariat for distribution to the membership of ISO/IEC JTC1/SC6. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.
- **Moved: Bruce Kraemer**
- **Seconded:**
- **WG11 Result: 43,0,2**
- **See:**
<https://mentor.ieee.org/802.11/dcn/10/11-10-1359-00-0jtc-proposed->

Kraemer presented 15-10-0938-00-0000-closing-ec-package-2010-11.ppt, slide 7

Motion is to send the letter contained in 11-10-1358r1 to ISO/IEC JTC1/SC6. The letter should be sent to the SC6 Secretariat. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.

Moved by Kraemer, seconded by Das

Thompson asked if he felt that either of these letters would change as a result of tonight's discussion

Kraemer said no.

Vote 13/0/0

JTC1 Motion 2

- Move to liaise the letter contained in 11-10-1358r1 to ISO/IEC JTC1/SC6. This letter provides a response to some of the material in ISO/IEC JTC 1/SC6 N 14436. The letter should be sent to the SC6 Secretariat for distribution to the membership of ISO/IEC JTC1/SC6. The IEEE 802 and IEEE 802.11 Chairs are authorised to make any necessary editorial changes.
- **Moved: Bruce Kraemer**
- **Seconded:**
- **WG11 Result: 40,0,0**
- **See:**
<https://mentor.ieee.org/802.11/dcn/10/11-10-1358-01-0jtc-prop>

9.00

IEEE SA items

 05:09 PM

No IEEE SA items on the agenda.

10.00

Information Items

 05:09 PM

10.01 II Treasurer's report Hawkins 5 05:21 PM

Hawkins presented 2010-Nov-TreasurerClosingRpt.pdf

Marks asked about the attendance declines. Perhaps we should reduce fees to attract more people.

Hawkins said that we should consider this. Get IEEE program may change the dynamic as well if the sales can offset some of our costs.

Thaler said that the reserve is to cover a drastically small meeting in which we would be responsible for the guarantee. She thinks that 800 is not a bad number.

Thompson said that conceptually we have a two part reserve, the historical part is if we have to cancel a meeting. On top of that, we have an intentional one time reserve to cover incremental costs of the overseas meeting. Perhaps we should carry the accounts separately.

Rigsbee pointed out that IETF had their largest meeting in China this week, he is hoping that we will have a big meeting in Singapore due to attracting more attendees from the surrounding countries.

IEEE Project 802
Estimated Statement of Operations
Jul 2010 Plenary Session
San Diego, CA
As of Nov 8, 2010

Income				Act/Est						Budget					Var
	Fee	Cxl	LCxl	Gross	Cxl	LCxl	Net	Net Amt	%	Gross	Cxl	Net	Net Amount	%	
Paid Registration Summary (dB)															
Pre-registration	\$ 700	\$ (700)	\$ (650)	34	1	0	33	\$ 23,100	4%	40				4%	
Pre-registration (with discount)	\$ 400	\$ (400)	\$ (350)	661	13	20	628	\$ 252,200	67%	700				70%	
Web-registration	\$ 800	\$ (800)	\$ (750)	42	0	1	41	\$ 32,850	4%	30				3%	
Web-registration (with discount)	\$ 500	\$ (500)	\$ (450)	165	0	3	162	\$ 81,150	17%	150				15%	
Onsite-registration	\$ 900	\$ (900)	\$ (850)	23	0	1	22	\$ 19,850	2%	20				2%	
Onsite-registration (with discount)	\$ 600	\$ (600)	\$ (550)	45	0	0	45	\$ 27,000	5%	60				6%	
Student-registration	\$ 100			0	0	0	0	\$ -	0%	0				0%	
Total Registration				970	14	25	931	\$ 436,150	100%	1000	20	980	\$451,780	100%	(\$15,630)
Bank								\$ 436,150	85%					87%	\$ -
Non-registration Income															
Deadbeat collections								\$ -	0%				\$ -	0%	\$0
Bank interest								\$ 362	0%				\$ 25	0%	\$337
Comps & Commissions								\$ 75,694	15%				\$ 70,000	13%	\$5,694
Other								\$ -	0				\$ -	0%	\$0
Total Session Income								\$ 512,206	100%				\$ 521,805	100%	(\$9,599)
Expenses															
Audio Visual								\$ 25,138	5%				\$ 25,500	5%	(\$362)
Audit								\$ -	0%				\$ -	0%	\$0
Bank Charges								\$ 170	0%				\$ 350	0%	(\$180)
Copying								\$ 955	0%				\$ 3,500	1%	(\$2,545)
Credit Card Discounts & Fees								\$ 21,347	4%				\$ 15,812	3%	\$5,535
Equipment Expenses								\$ 337	0%				\$ 1,000	0%	(\$663)
Get IEEE 802 Contribution								\$ 69,825	14%				\$ 73,500	15%	(\$3,675)
Insurance								\$ -	0%				\$ -	0%	\$0
Meeting Administration								\$ 75,926	15%				\$ 80,410	16%	(\$4,484)
Misc Expenses*								\$ 4,241	1%				\$ 2,500	1%	\$1,741
Networking								\$ 97,847	20%				\$ 100,000	20%	(\$2,153)
Other Expenses								\$ -	0%				\$ 1,000	0%	(\$1,000)
Phone & Electrical								\$ 2,200	0%				\$ 200	0%	\$2,000
Refreshments								\$ 124,932	25%				\$ 110,000	22%	\$14,932
Shipping								\$ 9,379	2%				\$ 15,000	3%	(\$5,621)
Social								\$ 59,680	12%				\$ 70,000	14%	(\$10,320)
Supplies								\$ 1,053	0%				\$ 800	0%	\$253
Total Session Expense								\$ 493,031	100%				\$ 499,572	100%	(\$6,542)

* reg counters, grats

Net Session Surplus/(Loss)	\$ 19,176	\$ 22,233
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Cash recognized on hand as of Sep 30, 2010	\$ 1,223,093	
Reserve for unpaid expenses for prior sessions	\$ (2,757)	Net expenses not yet paid for 07/2010
Reserve for other outstanding commitments	\$ -	
Income received for Nov 2010 session	\$ (5,900)	
Expenses prepaid for Nov 2010 session	\$ 60,064	11/10 pre-paid/expenses
Expenses prepaid for future sessions	\$ 18,663	03/11 pre-paid/expenses
Payable accts	\$ -	
Receivable accts	\$ 21,332	Equipment balance
Operating Reserve	\$ 1,314,494	

Draft

**IEEE Project 802
Estimated Statement of Operations
Nov 2010 Plenary Session
Dallas, TX
As of Nov 8, 2010**

Income	Fee	Cxl	LCxl	Act/Est					Budget					Var	
				Gross	Cxl	LCxl	Net	Net Amt	%	Gross	Cxl	Net	Net Amount		%
Paid Registration Summary (dB)															
Pre-registration	\$ 700	\$ (700)	\$ (650)	31	1	6	24	\$ 17,100	3%	36				4%	
Pre-registration (with discount)	\$ 400	\$ (400)	\$ (350)	538	8	12	518	\$ 207,800	65%	630				70%	
Web-registration	\$ 800	\$ (800)	\$ (750)	15	0	0	15	\$ 12,000	2%	27				3%	
Web-registration (with discount)	\$ 500	\$ (500)	\$ (450)	188	0	5	183	\$ 91,750	23%	135				15%	
Onsite-registration	\$ 900	\$ (900)	\$ (850)	17	0	0	17	\$ 15,300	2%	18				2%	
Onsite-registration (with discount)	\$ 600	\$ (600)	\$ (550)	44	1	1	42	\$ 25,250	5%	54				6%	
Student-registration	\$ 150			3	0	0	3	\$ 450	0%	0				0%	
Total Registration				836	10	24	802	\$ 369,650	100%	900	18	882	\$406,602	100%	(\$36,952)
Bank								\$ 369,650	86%					87%	
Non-registration Income															
Deadbeat collections								\$ -	0%				\$ -	0%	\$0
Bank interest								\$ 300	0%				\$ 300	0%	\$0
Comps & Commissions								\$ 60,000	14%				\$ 60,000	13%	\$0
Other								\$ -	0%				\$ -	0%	\$0
Total Session Income								\$ 429,950	100%				\$ 466,902	100%	(\$36,952)
Expenses															
Audio Visual								\$ 18,500	4%				\$ 20,000	4%	(\$1,500)
Audit								\$ -	0%				\$ -	0%	\$0
Bank Charges								\$ 350	0%				\$ 350	0%	\$0
Copying								\$ 1,000	0%				\$ 2,000	0%	(\$1,000)
Credit Card Discounts & Fees								\$ 19,253	4%				\$ 20,330	4%	(\$1,078)
Equipment Expenses								\$ 500	0%				\$ 1,000	0%	(\$500)
Get IEEE 802 Contribution								\$ 60,150	14%				\$ 66,150	14%	(\$6,000)
Insurance								\$ -	0%				\$ -	0%	\$0
Meeting Administration								\$ 72,130	16%				\$ 76,050	16%	(\$3,920)
Misc Expenses*								\$ 2,500	1%				\$ 4,500	1%	(\$2,000)
Networking								\$ 95,000	21%				\$ 95,000	20%	\$0
Other Expenses								\$ -	0%				\$ -	0%	\$0
Phone & Electrical								\$ 500	0%				\$ 500	0%	\$0
Refreshments								\$ 105,000	24%				\$ 110,000	23%	(\$5,000)
Shipping								\$ 15,000	3%				\$ 15,000	3%	\$0
Social								\$ 51,000	12%				\$ 60,000	13%	(\$9,000)
Supplies								\$ 1,000	0%				\$ 800	0%	\$200
Total Session Expense								\$ 441,883	100%				\$ 471,680	100%	(\$29,798)
Net Session Surplus/(Loss)								\$ (11,933)				\$ (4,778)			

* reg counters, grats, CDs

10.02 II Update on upcoming venues Rigsbee 5 05:14 PM

Rigsbee spoke about upcoming meetings. The three updates we were looking for have been side tracked. Both Singapore and Macao asked to respond next week. Geneva is delayed, another group has signed up for meeting space the week we are there and 802 is the second option.

10.03 II Update on Marina Bay Sands venue Rigsbee 5 05:35 PM

Covered in the discussion of the above items.

10.04 II 802 Task force report Nikolich 15 05:35 PM

Nikolich gave a verbal report.

- 1) IT services - need to define the service level requirements for the services we use. Kraemer took the action to develop a set of requirements and Wael offered to help out. Kramer said that he started to discuss that in the closing plenary and CAC. The goal is to have an answer in 2 weeks.
- 2) Single copy sales - Nikolich was surprised by the status. They are moving to a more elegant method, but the pricing is unknown. We are going to still push for \$1 per download. Grow has taken the action to push a new get IEEE 802 including the low cost downloads to clarify to the SA our expectations. The SA agreed to give us a clear indication if they can meet the \$1/download by 20 November, 2010.
- 3) Get IEEE 802 budget - supposed to be annually reviewed. Hawkins prepared a budget to send out. We may not need to continue with the .11s program as the publications group is publishing documents very quickly.
- 4) LOA indicating that the company would not license the patents. All we can do is to acknowledge its receipt.

10.06 II Regulatory report Lynch 10 05:42 PM

Lynch said that the hot topic is TVWS. US FCC issued a final order. 802 decided by consensus not to comment. The database does not exist yet either. Next Friday 802.18 will have a conference call to review the UK's consultation.

Nikolich said that 802.18 is supposed to develop consensus. In this instance it was not possible, how do we handle it. Do we leave it up to individual groups? File nothing?

Lynch said that historically we delete all items that do not have consensus.

Mody said that 802 has won because they did not auction the spectrum, so this is good for 802.22 and 802.11. Each filing takes 18 months for the FCC to respond. In addition, having the rules changing is not good for the industry.

Kraemer said that the disappointment is that we could not agree on enough material to have an input through 802.18.

Nikolich asked if this is a done deal or if there is an opportunity for consensus.

Kraemer said that we need to do something dramatically different.

Lynch said that there is still time to submit comments.

10.08 II Executive secretary report Rosdahl 5 05:48 PM

Rosdahl reminds everyone that our teleconference will be Monday, 1 February 2011, 1-3 pm EST.

Shellhammer asked for a schedule to be posted to the web page.

Gilb will post it to the web page.

10.09 II 802 Overview and Architecture report Gilb 3 05:50 PM

Gilb indicated that the draft has been completed.

Shellhammer asked what the pool is?

Law asked why we don't just let anyone vote.

Nikolich said it was for efficiency.

Jeffree indicated that according to the rules, all EC members may vote on the ballot according to the rules.

Marks said that Jeffree had a concrete process for holding a WG letter ballot, which allows EC members to vote.

10.10 II Appeals report Gilb 1 05:56 PM

There are no appeals

10.11 II Network Services report Alfvn 2 05:56 PM

Rick Alfvn (VeriLAN) said that nothing has changed from the mid-week report. There were issues with the new color printers and getting all the users up to date with new drivers. The problems are reduced as users get used to the printers, at which time, you introduce new printers.

11.00 ADJOURN SEC MEETING Nikolich 06:00 PM

Meeting adjourned at 5:58 pm

Respectfully submitted

James Gilb

IEEE 802 LMSC Recording Secretary