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

Prepared by John D'Ambrosia, Recording Secretary

Friday, July 19, 2013 – 1:00PM.
All times Central European Summer Time (CEST)

Geneva, Switzerland

EC members present:

Paul Nikolich –	Chair, IEEE 802 LAN/MAN Standards Committee
Pat Thaler –	Vice Chair, IEEE 802 LAN/MAN Standards Committee
James Gilb –	Vice Chair, IEEE 802 LAN/MAN Standards Committee,
	Chair, IEEE 802.24 Smart Grid TAG
Clint Chaplin –	Treasurer, IEEE 802 LAN/MAN Standards Committee
Jon Rosdahl –	Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D'Ambrosia –	Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree –	Chair, IEEE 802.1 – HILI Working Group
David Law –	Chair, IEEE 802.3 – Ethernet Working Group
Bruce Kraemer –	Chair, IEEE 802.11 – Wireless LAN Working Group
Pat Kinney -	Vice Chair, IEEE 802.15 – Wireless PAN Working Group (substituting for Bob Heile)
Roger Marks –	Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch –	Chair, IEEE 802.18 – Regulatory TAG
Steve Shellhammer –	Chair, IEEE 802.19 – Wireless Coexistence Working Group
Subir Das –	Chair, IEEE 802.21 – Media Independent Handover Working Group
Apurva Mody –	Chair, IEEE 802.22 – Wireless RANs Working Group
Max Riegel -	Chair, OmniRAN EC Study Group

Nonvoting EC members present:

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

EC members absent:

Bob Heile –	Chair, IEEE 802.15 – Wireless PAN Working Group

Nonvoting EC members absent:

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

v04		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	01:05 PM

Chair called meeting to order @ 1:00PM

2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	10	01:06 PM

V04 agenda URL - https://mentor.ieee.org/802-ec/dcn/13/ec-13-0027-04-00EC-july-2013-closing-agenda.xlsx

Discussion regarding agenda –
- Secretary noted that "Jeffree" mis-spelled in Item 7.06
- Delete 4.001 (no motion in Gilb Presentation)

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* Motion#1        Move to approve modified agenda
Moved             D'Ambrosia
Second            Jeffree
Results           14-0-0
Motion            Passes

Reference         Agenda Item#2.00
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Approved Agenda shown below

v05		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	01:05 PM
2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	10	01:06 PM
3.00	II	Announcements from the Chair	Nikolich	10	01:16 PM

4.00		**LMSC Internal business**			01:26 PM
~~4.001~~	~~MI~~	~~Defer consideration of the proposed CSD until November~~	~~Jeffree~~	~~3~~	~~01:26 PM~~
4.002	MI	**Changes to the IEEE 802 LMSC Operations Manual**	Gilb	20	01:29 PM
4.01	DT	**802 Overview and Architecture report**	Gilb	5	01:49 PM
4.02	MI	**Future Venues (Beijing / Barcelona Site Visits, Approval Macau, MOU Approval)**	Rosdahl	20	01:54 PM
4.03	MI	**Treasurer's report**	Chaplin	5	02:14 PM
4.04	**MI***	**Motion to approve Geneva Switzerland for the July 2013 IEEE 802 Plenary. Moved: Rosdahl, 2nd: Kraemer**	**Rosdahl**	**0**	**02:19 PM**
4.05	II	**Announcement of Nov 2013 802 EC Workshop**	Rosdahl	15	02:19 PM
4.06	II	**Nov 2013 Ethernet 40th Anniversary Celebration**	D'Ambrosia	3	02:34 PM
4.07	II	**Meeting Planner RFP Adhoc (Rosdahl, Gilb, Heile, Nikolich, Chaplin)**	Rosdahl	5	02:37 PM
4.08	ME	**JTC1 ad-hoc report**	Myles	5	02:42 PM
4.09	II	**Report on IEEE ITU Joint Meeting on Spectrum Sharing and White Space Standardization in IEEE 802**	Mody	5	02:47 PM
4.10	MI	**Status update on IEEE Get 802 Program Agreement**	Nikolich	5	02:52 PM
4.11	II	**Next Generation Publishing 802 liaisons (Stevens, Diab, 802.1 TBD)**	Nikolich	5	02:57 PM
					03:02 PM
5.00		**IEEE Standards Board and Sponsor Ballot Items**			03:02 PM
5.01		~~IEEE 802.16~~	~~Marks~~	~~-~~	~~03:02 PM~~
5.02		~~IEEE 802.18~~	~~Lynch~~	~~-~~	~~03:02 PM~~
5.03		**IEEE 802.19**	Shellhammer		03:02 PM
5.031	ME	IEEE 802.19.1, TV White Space Coexistence Methods, PAR Extension to NesCom	Shellhammer	5	03:02 PM
5.04		**IEEE 802.21**	Das		03:07 PM
5.041	ME	IEEE 802.21c Optimized Single Radio Handovers to Sponsor Ballot	Das	5	03:07 PM
5.05		~~IEEE 802.22~~	~~Mody~~	~~-~~	~~03:12 PM~~
5.06		**IEEE 802.1**	Jeffrey		03:12 PM
5.061	ME	IEEE 802.1Qcc Stream Reservation amendment to NesCom	Jeffree	5	03:12 PM
5.062	ME	IEEE 802.1Qcd Application VLAN amendment to NesCom	Jeffree	5	03:17 PM
5.063	ME	IEEE 802.1Qbp Equal Cost Multiple Paths to Sponsor Ballot	Jeffree	5	03:22 PM
5.064	ME	IEEE 802.1AS-Cor1 Timing and Synchronization to RevCom	Jeffree	5	03:27 PM
5.07		**IEEE 802.3**	Law		03:32 PM
5.071	ME	IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) to RevCom	Law	5	03:32 PM
5.08		**IEEE 802.11**	Kraemer		03:37 PM
5.081	ME	IEEE 802.11af Enhancements for Operation in unused TV bands (TV White Space) PAR Extension to NesCom	Kraemer	5	03:37 PM
5.082	ME	IEEE 802.11af Enhancements for Operation in unused TV bands (TV White Space) to Sponsor Ballot (Conditional)	Kraemer		

5.09		**IEEE 802.15**	**Kinney**		**03:42 PM**
5.091	ME	IEEE 802.15.10 Layer 2 Routing (L2R) Recommend Practice PAR to NesCom	**Kinney**	30	**03:42 PM**
5.092	ME	IEEE 802.15.4 Revision PAR to NesCom	**Kinney**	5	**04:12 PM**
5.093	ME	IEEE 802.15.4m (TVWS PHY) to Sponsor Ballot	**Kinney**	5	**04:17 PM**
5.094	ME	IEEE 802.15.4p (Rail Communications & Control) to Sponsor Ballot	**Kinney**	5	**04:22 PM**
					04:27 PM
6.00		**Executive Committee Study Groups, Working Groups, TAGs**			**04:27 PM**
6.01		~~IEEE 802.16~~	~~Marks~~	-	~~04:27 PM~~
6.02		~~IEEE 802.18~~	~~Lynch~~	-	~~04:27 PM~~
6.03	-	~~IEEE 802.19~~	~~Shellhammer~~	-	~~04:27 PM~~
6.04		~~IEEE 802.21~~	~~Das~~	-	~~04:27 PM~~
6.05		~~IEEE 802.22~~	~~Mody~~	-	~~04:27 PM~~
6.06		~~IEEE 802.24~~	~~Gilb~~	-	~~04:27 PM~~
6.07		**IEEE OmniRAN EC Study Group**	**Riegel**	0	**04:27 PM**
6.071	MI	IEEE OmniRAN EC Study Group 2nd Extension	**Riegel**	30	**04:27 PM**
6.08		~~IEEE 802.1~~	~~Jeffree~~	-	~~04:57 PM~~
6.09		**IEEE 802.3**	**Law**		**04:57 PM**
6.091	MI	IEEE 802.3 Distinguished Minimum Latency Traffic in a Converged Traffic Environment Study Group (2nd extension)	**Law**	5	**04:57 PM**
6.092	MI*	IEEE 802.3 400 Gb/s Ethernet Study Group (1st extension)	**Law**	0	**05:02 PM**
6.093	MI*	IEEE 802.3 4-Pair Power over Ethernet (PoE) Study Group (1st extension)	**Law**	0	**05:02 PM**
6.094	MI	IEEE 802.3 Power over Data Link (PoDL) Study Group formation	**Law**	5	**05:02 PM**
6.095	II	Industry Connections Activity Initiation Document - Next Generation Passive Optical Networking	**Law**	2	**05:07 PM**
6.10		**IEEE 802.11**	**Kraemer**		**05:09 PM**
6.101	MI*	IEEE 802.11 HEW Study Group (1st Extension)	**Kraemer**	0	**05:09 PM**
6.11		**IEEE 802.15**	**Kinney**	-	**05:09 PM**
6.111	MI	IEEE 802.15 L2R Study Group (2nd Extension)	**Kinney**	5	**05:09 PM**
6.112	MI	IEEE 802.15 Spectrum Resource Utilization Study Group Formation	**Kinney**	5	**05:14 PM**
6.113	MI	IEEE 802.15 THz Study Group Formation	**Kinney**	5	**05:19 PM**
					05:24 PM
7.00		**LMSC Liaisons and External Interface**			**05:24 PM**
7.01		**IEEE 802.16**	**Marks**		**05:24 PM**
7.011	ME*	To approve IEEE 802.18-13-0088-02, subject to editorial finalization, per OM 8.2.2 (Lynch)	**Marks**	0	**05:24 PM**
7.012	ME*	To approve the release of IEEE 802.16.13-0147-03, subject to editorial finalization	**Marks**	0	**05:24 PM**
7.02		**IEEE 802.18**	**Lynch**		**05:24 PM**

7.021	ME*	To approve IEEE 802.18-13-0089-03, subject to editorial finalization, per OM 8.2.2 (Lynch).	Lynch	0	05:24 PM
7.022	ME*	To approve IEEE 802.18-13-0087-04, subject to editorial finalization, per OM 8.2.2 (Lynch).	Lynch	0	05:24 PM
7.023	ME*	To approve IEEE 802.18-13-0090-01, subject to editorial finalization, per OM 8.2.2 (Lynch).	Lynch	0	05:24 PM
~~7.03~~	~~-~~	~~IEEE 802.19~~	~~Shellhammer~~	~~-~~	~~05:24 PM~~
~~7.04~~		~~IEEE 802.21~~	~~Das~~	~~-~~	~~05:24 PM~~
~~7.05~~		~~IEEE 802.22~~	~~Mody~~	~~-~~	~~05:24 PM~~
~~7.06~~		~~IEEE 802.24~~	~~Gilb~~	~~-~~	~~05:24 PM~~
7.06		IEEE 802.1	Jeffree		05:24 PM
7.061		Forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.	Jeffree	5	05:24 PM
7.062		Liaison to SG15 of ITU-T and MEF regarding ITU-T OLS 04	Jeffree	5	05:29 PM
7.07		IEEE 802.3	Law		05:29 PM
7.071	II*	Liaison letter to ISO/IEC JTC1 SC6 China NB Comment on IEEE Std 802.3-2012 pre-ballot	Law	0	05:29 PM
7.072	II*	Liaison reply to ISO/IEC JTC1 SC25 WG3 regarding technical report for 40 Gbit/s cabling systems	Law	0	05:29 PM
7.073	ME	IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release	Law	5	05:29 PM
7.08		IEEE 802.11	Kraemer		05:34 PM
7.081	II*	IEEE 802.11 Liaison to WFA, requesting feedback on High Efficiency WLAN (HEW) usage scenarios (11-13/902r1)	Kraemer	0	05:34 PM
~~7.09~~	~~-~~	~~IEEE 802.15~~	~~Heile~~	~~-~~	~~05:34 PM~~
					05:34 PM
8.00		IEEE SA items			05:34 PM
					05:34 PM
9.00		Information Items			05:34 PM
~~9.01~~	~~II~~	~~JTC1 ad-hoc report~~	~~Myles~~	~~0~~	~~05:34 PM~~
9.02	II	Regulatory report	Lynch	5	05:34 PM
9.03	II	Executive secretary report	Rosdahl	5	05:39 PM
~~9.04~~	~~II~~	~~Recording Secretary Report~~	~~D'Ambrosia~~	~~0~~	~~05:44 PM~~
9.05	II	802 Marketing Efforts Report	D'Ambrosia	5	05:44 PM
9.06	II*	Appeals report -No items to report	D'Ambrosia	0	05:49 PM
9.07	II	Network Services report	Alfvin	5	05:49 PM
9.08	II*	Announcement of 802 EC Interim Telecon, 1 Oct 2013 1-3pm ET (EC-13/33)	Rosdahl	0	05:54 PM
9.09	II*	Call for Tutorials for Nov 2013 Plenary (Tuesday, Nov 12) (EC-13/33)	Rosdahl	0	05:54 PM
10.00		ADJOURN SEC MEETING	Nikolich		06:00 PM

3.00	II	Announcements from the Chair	Nikolich	10	01:16 PM

Chair announced that there would be a break approximately 2 hours into meeting.

4.00		**LMSC Internal business**			01:26 PM
~~4.001~~	~~MI~~	~~Defer consideration of the proposed CSD until November~~	~~Jeffree~~	~~3~~	~~01:26 PM~~
4.002	MI	Changes to the IEEE 802 LMSC Operations Manual	Gilb	20	01:29 PM

Gilb presented ec-13-0047. (Note – Slides presented were from ec-13-0047-00, but file was revised from Rev 0 to Rev 1, as document number reference on slide 3 was modified from ec-13-0032-00 to ec-13-0032-03 to reflect different document for the OM changes. Modified slide from Rev ec-13-0047-01 is shown below.)

July 2013

ec-13-0047-00-00EC

IEEE 802 motions for rules changes
July 2013

802 EC Rules

James Gilb (Tensorcom)

4.1.5 Revision of OM and WG P&P

- Revisions to these documents shall be submitted by a Sponsor member to the Sponsor no less than 30 day in advance of a Sponsor Vote to approve them. The Sponsor member proposing the revision may modify the proposed revision during the 30 days prior to a Sponsor Vote (in response to comments). Insufficient time to consider complex modifications is a valid reason to vote disapprove. A motion to revise these documents shall require a vote of approve by at least two thirds of all voting members of the Sponsor. Votes to approve revisions shall be taken at a plenary session. If approved, revisions become effective at the end of the plenary session where the votes were taken.
- We have 6 officers, 10 voting WG/TAG chairs (one overlap)
    - 15 voting members, 2/3 approval is 10 affirmative votes

OM updates

- This motion is brought under the process described in the subclause "Revision of the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P" of the IEEE 802 LMSC OM.
- Motion: The EC approves the changes described in document ec-13-0032-03, to the IEEE 802 LMSC Operations Manual
    - Moved: Gilb
    - Second:
    - Vote:

During discussion of the following slides, there was subsequent conversation that resulted in an update to the slides. The final updated version of these slides from EC 13-0032-03-00ec is shown below.

Proposed Rule changes for July 2013

OM: Meeting Manager Tasks

- Change: Delete 5.1.3 Meeting Manager section from OM
- Change: In OM, 5.12, change as shown:
  - Venue contracts are negotiated by the ~~Meeting manager~~ Executive Secretary or an individual selected by the Executive Secretary and affirmed by the Sponsor Chair.

OM: Administrative processes

- Add a new subclause: Sponsor Administrative Policies
  - The Sponsor may hold meetings to decide administrative related issues. The following items are considered to be administrative:
    - Approval of contacts for suppliers or meeting venues.
    - Approval of expenditures
  - Except as indicated in this subclause, the same rules apply to administrative meetings as to meetings held to decide standards related issues.
  - Meetings to consider administrative issues shall be announced at least 1 week in advance.

OM: 5.3 Registration

- Change final sentence in the last paragraph as follows:
  - ~~Unless otherwise specified in WG, TAG, or ECSG P&Ps, t~~The interpretation and implementation of the registration policy for interim sessions of IEEE 802 LMSC subgroups not hosted by the IEEE 802 LMSC shall be the responsibility of the Chair and Treasurer (if any) of the IEEE 802 LMSC subgroup(s) holding the session.

OM: Editing Guidance

- Delete the last page of the OM that begins with:
  - "Editing Guidance (not part of formal P&P or OM)"

OM: 4.1.5 Revision subclause

- Move 4.1.5, "Revision of the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P" to be the final clause of the OM

OM: ECSG Vice Chair

- Add to the end of the paragraph in OM 4.3.1:
  - "The election of an ECSG Vice Chair is subject to confirmation by the Sponsor."

OM: Suspension of rules

- Add the following to Clause 1:
  - "Unless otherwise stated, none of the rules or requirements in this OM may be suspended by vote of the Sponsor as would otherwise be allowed by Robert's Rules of Order Newly Revised (latest edition)."
- Add "The rules in this subclause and its subsidiary subclauses may be suspended by 2/3 vote of the Sponsor." to the following subclauses:
  - 5.1.2 IEEE 802 LMSC plenary venue selection
  - 8.1 Procedure for coordination with other standards bodies
  - 8.2 Procedure for communication with government bodies
  -

<u>Discussion</u>

EC Study Group Chairs / Vice Chairs are "acting" until confirmed.

* Motion#2	The EC approves the changes described in document ec-13-0032-030, to the IEEE 802 LMSC Operations Manual
Moved	Gilb
Second	Marks
Results	14-0-0
Motion	Passes
Reference	Agenda Item#4.002

CG updates

- This motion is proposed using the EC's normal process to take action.
- Motion: Delete "and Meeting Manager Member Emeritus" from 2.16.6 "Executive Secretary Responsibilities", item 2) a) in the IEEE 802 LMSC Chair's guidelines with editorial changes allowed.
  - Moved: Gilb
  - Second:
  - Vote:

802 EC Rules   Slide 4   James Gilb (Tensorcom)

* Motion #3	Delete "and Meeting Manager Member Emeritus" from 2.16.6 "Executive Secretary Responsibilities", item 2) a) in the IEEE 802 LMSC Chair's guidelines with editorial changes allowed.
Moved	Gilb
Second	Rosdahl
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.002

Gilb discussed 5CSD update plans to advance in next week an update to CSD to allow consideration for approval in November.

Reference #4.002   Action Item – Gilb send out update to CSD to allow consideration for approval in November.

4.01	DT	802 Overview and Architecture report	Gilb	5	01:49 PM

Gilb gave verbal update. There were 8 outstanding comments, and text modifications are necessary. Get extension pre-submitted for RevCom consideration. @ Oct 21 for December meeting.

Reference #4.01   Action Item – Gilb Get extension pre-submitted for RevCom consideration. @ Oct 21 for December meeting.

4.02	MI	Future Venues (Beijing / Barcelona Site Visits, Approval Macau, MOU Approval)	Rosdahl	20	01:54 PM

Rosdahl presented the following slides (EC-13/00333r1)

4.02 MI Future Venues

1. Geneva Meeting Feedback
2. Motion to approve Site Visit for Beijing
3. Motion to approve Site visit for Barcelona – Possible site for March 2015 Plenary
4. Motion to approve Sands Venetian Macau, China for the March 2016 Plenary Venue.
5. Motion to approve Memorandum of Understanding to complete Contract negotiations

Submission　　　　　　　　　　Slide 12　　　　　　　　Jon Rosdahl, CSR

Geneva Meeting Feedback

Poll results:

.1 – did not poll –
.3 – 48 yes 76 no
.11 – 24 yes 16 no
.15 – 16 yes 20 no
.18 – comments no poll
.19 – 3 yes 3 no
.21 – 10 yes 0 no – if network better
.22 – ??
.24 – ??

Total Reported: 101 yes 115 No

EC Straw Poll: Should Geneva be target for July 2019?

Yes:　　No:

Submission　　　　　　　　　　Slide 13　　　　　　　　Jon Rosdahl, CSR

EC Straw Poll #1 : Should Geneva be target for July 2019?
Results:　　　Yes: 11　　　No: 2

Discussion among EC members regarding Straw poll / Geneva facilities.

Kraemer noted update to 802.11 Poll   Yes 27 no 16
Unsatisfaction with network was noted.

Motion to approve Site Visit for Beijing

Whereas China World Hotel and Traders Hotel, Beijing, China is the venue for March 2014,

Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000.

The purpose of the trip includes:

The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures.

Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.

Moved: Rosdahl 2nd: Shellhammer

* Motion #4	Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000. The purpose of the trip includes: The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures. Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.
Moved	Rosdahl
Second	Shellhammer
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.02

Motion to approve Site visit for Barcelona – Possible Plenary Venue for March 2015 or March 2017

Whereas Barcelona, Spain is a potential venue location for March 2015 or March 2017

Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000.

The purpose of the trip includes:

The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures.

Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.

Move: Rosdahl 2nd: Shellhammer

* Motion #5	Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000. The purpose of the trip includes: The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures. Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.
Moved	Rosdahl
Second	Shellhammer
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.02

Proposed Future Venue for IEEE-802 March 13-18, 2016 Plenary Session
Sands Venetian Macau Hotel & Conference Center, Macau, PRC

- NUMBER OF MEETING ROOMS: 40++ (~65 with all breakouts), all excellent quality
- ESTIMATED FUNCTION SPACE COST: $0, all included with Room Block proposed
- AV Provided: Yes, with Hi-Resolution LCD Projectors and Mics (included in DDR)
- NETWORK AVAILABLE: All fiber distribution with up to 1Gb/s in all meeting areas
- Option Dates: March 13-18, 2016 | Est Reg Fee: $500/$600/$800 w/ $300 surcharge
- GUEST ROOM BLOCK RECOMMENDED (Y/N): 600+ (700 initial) (>3,000 total)
- RECOMMENDED HOTEL: Sands Venetian Macau Hotel & Conference Center
- Early-bird Rate: 1,400 MOP (=US$175) +15% svc+tax, ≤50% of block before 1/29/2016
- Std Room Rate: 1,550 MOP (=US$195) +15% svc+tax, ≥50% of block after 1/29/2016
- Full Daily Delegate Rate(DDR): 740 MOP/day (=US$95) +10% svc, includes buffet breakfast,
      3-course, 3-entrée choice buffet lunch, AM & PM Breaks, and all AV svcs.
- Airports: Macau International (MFM), or Hong Kong International (HKG)
- Airport Transfers: @MFM: free shuttle, 5 min, @HKG: 40 min ferry + free shuttle-bus
- Business Currency & Estimated Exchange Rate: 1.00 $US = 7.99 MOP
- Incentives (Government, Trade, Tourism, Sponsors, etc.): Yes, Amounts are t.b.d.
- Contract Terms & Subsidies are still in negotiation. Expect net positive surplus.

Motion to approve Macau, China for the March 2016 Plenary Location

Motion to approve Plenary Venue location:

2016 March – Sands Venetian Macau Hotel & Conference Center, Macau, PRC

Moved: Jon Rosdahl   2nd: Shellhammer

* Motion #6	Motion to approve Plenary Venue location: 2016 March – Sands Venetian Macau Hotel & Conference Center, Macau, PRC
Moved	Rosdahl
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.02

Motion to approve Memorandum of Understanding

Motion to approve the Memorandum of Understanding to complete the Macau Contract negotiations with an expenditure not to exceed $7500.

Moved: Rosdahl 2nd: Shellhammer

* Motion #7	Motion to approve the Memorandum of Understanding to complete the Macau Contract negotiations with an expenditure not to exceed $7500.
Moved	Rosdahl
Second	Shellhammer
Results	13-0-1
Motion	Passes
Reference	Agenda Item #4.02

| 4.03 | MI | Treasurer's report | | Chaplin | 5 | 02:14 PM |

Chaplin presented the following slides (ec-13-0046-00-00EC-2013-07-19-treasurer-report.pdf)

Treasurer's Report

2013-07-19

2011

2011 Net Change

2011-03 Meeting	$15,016.52
2011-07 Meeting	($49,166.24)
2011-11 Meeting	($8,000.00)
2011 Income Other	$2,755.07
2011 Expenses Other	($31,563.06)
2011 Net Change	($49,147.28)

2012

2012 Net Worth Change

2012-03 Meeting	($80,777.00)
2012-07 Meeting	$14,520.49
2012-11 Meeting	($1,125.50)
2012 Income Other	$3,692.02
2012 Expenses Other	($18,731.03)
Change in Foreign Currency	$8,771.71
Depreciation	($752.00)
2012 Net Worth Change	($74,401.31)

2012 End Reserve

2012 End USD General Reserve	$929,893.51
Petty Cash	$2,000.00
SGD funds (USD equivalent)	$176,271.20
Total 2012 End Reserve	$1,108,164.71

2013 T1 (Jan-Apr)

2013 T1 (Jan-Apr) Overview

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Meeting Surplus/Loss                   ($22,180.39)
Other Income                               $811.77
Other Expenses                             ($60.20)
                                       ------------
Net Change                             ($21,428.82)

General Reserve                        $908,464.69
Foreign Venue Reserve                   $55,442.00
Petty Cash                               $2,000.00
Singapore Funds                    SGD 215,336.82
Geneva Deposit                     CHF  15,000.00

Singapore Funds USD                    $174,777.07
As of 2013-04-30
Geneva Deposit USD                      $16,131.36
As of 2013-04-30
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2013 T1 General Reserve

```
General Reserve beginning        $929,893.51
2013 T1 net                      ($21,428.82)

General Reserve end              $908,464.69
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2013 T1 Foreign Reserve

```
Foreign Reserve beginning            $0.00
Orlando meeting setaside         $72,000.00
Geneva Deposit                   ($16,458.00)

Foreign Reserve end              $55,442.00
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2013 T2 (May-Aug)

2013 T2 (May-Aug) Overview
Estimate

Meeting Surplus/Loss	$106,290.00
Other Income	$1,000.00
Other Expenses	($1,000.00)

Net Change	$106,290.00

2013 T2 Meeting Geneva Income Estimate

IEEE Project 802

Meeting Budget

July 2013 Plenary Session

Geneva

As of July 12, 2013

		Estimate			Budget			Var	Var %
Income	**Fee**	**Net**	**Net Amt**	**%**	**Net**	**Net Amt**	**%**		
Pre-registration	$ 800		$ -	0%		$0	0%	$0	#DIV/0!
Pre-registration (with discount)	$ 500	459	$ 229,500	59%	420	$210,000	54%	$13,500	6%
Pre-Registration Early Cancellation	$ (800)		$ -	0%			0%		
Pre-Registration Early Cancellation (with discount)	$ (500)	-3	$ (1,500)	0%			0%		
Pre-Registration Late Cancellation	$ (700)		$ -	0%			0%		
Pre-Registration Late Cancellation (with discount)	$ (400)	-7	$ (2,800)	-1%			0%		
Pre-Registration No Refund Cancellation	$ -		$ -	0%			0%		
Web-registration	$ 900		$ -	0%		$0	0%	$0	#DIV/0!
Web-registration (with discount)	$ 600	199	$ 119,400	31%	210	$126,000	32%	($7,200)	-6%
Web-registration Early Cancellation	$ (900)		$ -				0%		
Web-registration Early Cancellation (with discount)	$ (600)	-2	$ (1,200)				0%		
Web-registration Cancellation	$ (800)		$ -	0%			0%		
Web-registration Cancellation (with discount)	$ (500)	-2	$ (1,000)	0%			0%		
Web-registration No Refund Cancellation	$ -		$ -	0%			0%		
Onsite-registration	$1,100		$ -	0%		$0	0%	$0	#DIV/0!
Onsite-registration (with discount)	$ 800	57	$ 45,600	12%	65	$52,000	13%	($40,800)	-78%
Onsite-registration No Refund Cancellation	$ -		$ -						
Student-registration	$ 150	7	$ 1,050	0%	3	$450	0%		
University Outreach	$ 25	1	$ 25	0%	2	$50	0%	($25)	
Net Registration Income	$ 554	709	$ 389,075	100%	700	$388,500	100%	($34,675)	-9%
Net Paid Attendees		709			700				
Non-registration Income									
Deadbeat collections			$ -	0%			0%	$0	
Comps, Commissions & Discounts			$ 700	0%		$ 700	0%	$0	0%
Other			$ -	0%		$ -	0%	$0	
Total Session Income			**$ 389,775**	**0%**		**$ 389,200**	**0%**	($34,675)	-9%

2013 T2 Meeting Geneva Expense Estimate

IEEE Project 802
Meeting Budget
July 2013 Plenary Session
Geneva
As of July 12, 2013

Expenses	Estimate			Budget			Var	Var %
Audio Visual	$	28,667	10%	$	26,547	10%	($4,155)	-16%
Credit Card Discounts & Fees	$	27,258	10%	$	22,772	8%	$1,972	12%
Equipment Expenses	$	-	0%	$	-	0%	$0	#DIV/0!
Get IEEE 802 Conttribution (Net paid attendees * $75.00)	$	53,175	19%	$	52,500	19%	$5,400	12%
Infrastructure	$	-	0%	$	-	0%	$1,500	300%
Copier	$	-	0%	$	-	0%	($500)	
Electrical	$	-	0%	$	-	0%	$2,000	#DIV/0!
Phone	$	-	0%	$	-	0%	$0	#DIV/0!
Reg Counters	$	-	0%	$	-	0%	$0	#DIV/0!
Meeting Administration	$	86,275	30%	$	86,275	31%	$9,931	17%
Meeting Manager								
Misc Meeting Expenses	$	1,850	1%	$	1,850	1%	($1,500)	-60%
Audit	$	-	0%	$	-	0%	$0	
Copying	$	750	0%	$	750	0%	$0	#DIV/0!
Hotel Grats	$	1,000	0%	$	1,000	0%	($200)	-17%
Insurance	$	-	0%	$	-	0%	$0	#DIV/0!
Other: Keys	$	100	0%	$	100	0%	($350)	-100%
Supplies	$	-	0%	$	-	0%	($950)	-100%
Networking	$	44,700	16%	$	44,700	16%	$4,709	7%
Shipping	$	9,000	3%	$	9,000	3%	$2,102	53%
Site Survey	$	14,900	5%	$	14,900	5%	$268	11%
Staff Rooms	$	8,850	3%	$	8,850	3%	$6,980	#DIV/0!
Social	$	-	0%	$	-	0%	$4,700	9%
Venue	$	8,811	3%	$	8,641	3%		
Food & Beverage	$	-	0%	$	-	0%	$12,052	19%
Lunches	$	-	0%	$	-	0%	$0	#DIV/0!
Total Session Expense	$	283,485	100%	$	276,034	100%	$45,422	14%
Foreign Venue Set Aside								
Net Session Surplus/(Loss)	$	106,290		$	113,166			

2013 T2 Other Income Estimate

Interest	$1,000.00

2013 T2 Other Expenses Estimate

Other	($1,000.00)
Total	($1,000.00)

Other

| 4.04 | MI* | Motion to approve Geneva Switzerland for the July 2013 IEEE 802 Plenary. Moved: Rosdahl, 2nd: Kraemer | Rosdahl | 0 | 02:19 PM |

Approved with approval of agenda.

4.05	II	Announcement of Nov 2013 802 EC Workshop	Rosdahl	15	02:19 PM

Rosdahl presented following slide (802-EC-13/0033r1)

4.05 Nov 2013 EC Workshop

EC Workshop: Nov 16, 2013

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

Remember to register through the workshop, then adjustment for workshop to be made for Friday and Saturday night stays.

Workshop Leader:

Action Tracker to be named later

Agenda to be announced at Interim Call

Expectation is no treasury impact for workshop

Submission   Slide 19   Jon Rosdahl, CSR

Adrian Stephens has volunteered to lead organization effort for November 2013 EC Workshop. "Recorder" to be named in future. Individuals spoke in favor of the workshop, as there is insufficient time to address 802 related issues.

Reference #4.05   Action Item – Nikolich assign "Recorder" for November 2013 EC Workshop
Reference #4.05   Action Item – Stephens draft agenda for Nov 2013 EC workshop due NLT the 01OCT EC telecon.

* Motion #8	Move to conduct an 802 Workshop on Nov. 16, 2013 in Dallas. Workshop Leader to be Adrian Stephens. (Agenda to be finalized at the Oct telecon)
Moved	Rosdahl
Second	D'Ambrosia
Results	11-0-2
Motion	Passes
Reference	Agenda Item #4.05

4.06	II	Nov 2013 Ethernet 40th Anniversary Celebration	D'Ambrosia	3	02:34 PM

D'Ambrosia gave verbal summary

- Announced Metcalfe / Boggs will be featured guests at the Anniversary celebration.
- Final agenda is still being developed
- Developing budget (F&B, video?) for event. Will bring electronic ballot forward.
- Pre & post Mktg for event is being planned.

EC Straw Poll #2 : Who thinks we should have video of Metcalfe speaking at the event?
Results: Yes: 9   No: 0

D'Ambrosia to review options, and update EC. It was noted that IEEE-TV may be an option to consider.

Reference #4.06   Action – D'Ambrosia to develop budget for 40th Anniversary F&B and Metcalfe video. Electronic ballot will be initiated.

4.07	II	Meeting Planner RFP Adhoc (Rosdahl, Gilb, Heile, Nikolich, Chaplin)	Rosdahl	5	02:37 PM

Rosdahl presented following slide (EC-13/0033r1)

July 2013   doc.: IEEE 802-EC-13/0033r1

4.07 II Meeting Planner RFP AdHoc

Meeting Planner Contract Expires July 2014
Plan to Start RFP after Nov 2013 Plenary
  Plan to use some of the workshop time
Sub committee:
    Nikolich, Rosdahl, Chaplin, Heile, Gilb

Submission   Slide 20   Jon Rosdahl, CSR

It was asked if non-EC members could participate on committee. Concern was expressed regarding the size of the committee becoming unmanageable. Input from all individuals to the committee is welcome. The chair noted the committee will be responsible for the solicitation and review of responses.

4.08	ME	JTC1 ad-hoc report	Myles	5	02:42 PM

Andrew Myles gave a verbal summary (reference presentation 802.11-13-0908r1.

The WAPI Alliance is trying to position that China should have its own security standard.

4.09	II	Report on IEEE ITU Joint Meeting on Spectrum Sharing and White Space Standardization in IEEE 802	Mody	5	02:47 PM

Apurva Mody gave a verbal update.

The IEEE ITU Joint meeting on 'Spectrum Sharing and White Space Standardization in IEEE 802 to Bridge the Digital Divide' was held on Tuesday, July 16th, 2013. Approximately 90 people attended this event including the staff from ITU-R, ITU-T, ITU-D as well as IEEE 802 attendees.

ITU is very much interested in spectrum sharing and white spaces. It has several open questions as well as it is planning to hold a number of workshops in this space. ITU has requested that IEEE 802 works closely with them on these issues.

The base presentation that contains a link to all the other presentations can be found at this URL:
https://mentor.ieee.org/802.22/dcn/13/22-13-0114-00-0000-ieee-itu-joint-meeting-spectrum-sharing-and-white-space-standardization-to-bridge-the-digital-divide.pptx

4.10	MI	Status update on IEEE Get 802 Program Agreement	Nikolich	5	02:52 PM

Nikolich gave verbal update.

There is an update to the last version of the program agreement that was reviewed. Final text has not been reviewed yet, so the Chair stated he did not want to take a vote during the closing meeting. Chair proposed private distribution of the updated program agreement, followed by a public vote. Chair asked if there was any objection to this approach. Concern regarding email discussions for privacy and security. Desire for Exec session conference call was expressed. In response to these concerns, the Chair suggested holding a Exec session EC Conference call (12:00 to 1:00pm) on same date (10/1) as conference call to discuss get IEEE 802 program agreement

4.11	II	Next Generation Publishing 802 liaisons (Stevens, Diab, 802.1 TBD)	Nikolich	5	02:57 PM

Nikolich gave verbal update.

IEEE-SA working on next generation publishing system.

Gilb volunteered. Thaler volunteering (Per Jeffree).

Walter Penciak is tech lead.

On editorial side Michelle will be supporting.

Break @ 2:49pm
Reconvened at 3:03pm

5.00		**IEEE Standards Board and Sponsor Ballot Items**			**03:02 PM**
5.01		~~IEEE 802.16~~	~~Marks~~	-	~~03:02 PM~~
5.02		~~IEEE 802.18~~	~~Lynch~~	-	~~03:02 PM~~
5.03		IEEE 802.19	Shellhammer		03:02 PM
5.031	ME	IEEE 802.19.1, TV White Space Coexistence Methods, PAR Extension to NesCom	Shellhammer	5	03:02 PM

Shellhammer presented the following slides (802.19-13/0097r1)

IEEE P802.19.1 PAR Extension Request

Date: 2013-07-19

Authors:

Name	Company	Address	Phone	E-mail
Steve Shellhammer	Qualcomm	5775 Morehouse Dr San Diego, CA 92121	(858) 658-1874	Shellhammer@ieee.org

Draft Status

- **Title:** *Draft Standard for TV White Space Coexistence Methods*
- **First WG Letter Ballot: April 2012**
  - Ballot Failed
- **Second WG Letter Ballot: November 2012**
  - Ballot Pool of 40 voters
  - Ballot Passed
  - 197 comments
- **First WG Recirculation: May 2013**
  - Draft 240 pages
  - 82 comments
  - Comment resolution completed at the July 2013 Plenary
- **Draft 3.05 on Private Area**
  - Draft 310 pages
  - Second WG Recirculation will begin next week

Plan

- **Request PAR extension from EC: July 2013**
  - Forward to NesCom after approval
  - Current PAR runs out December 2013
- **Finish comment resolutions: July 2013**
- **Second WG Recirculation: August 2013**
- **Form Sponsor Ballot Pool: August 2013**
- **Finish comment resolutions: September 2013**
- **Third WG Recirculation (if needed): October 2013**
- **Finish comment resolutions (if needed): November 2013**
- **Initial Sponsor Ballot: November 2013**
- **Recirculation Sponsor Ballot: March 2014**
- **Final WG/EC Approval: July 2014**
- **RevCom/Standards Board Approval: September 2014**

PAR Comments from 802.11

- In 2 delete "and therefore an extension of the PAR is required"
  - Accept
- Insert in 2 an explanation of expected project timeline to justify a two year extension.
  - Accept
- Fix 3.5. What percentage of the Draft is stable: % (blank)
  - Accept

Motion

- Move to approve forwarding the IEEE P802.19.1 PAR extension request to NesCom

- Move: Steve Shellhammer
- Second: Subir Das

- Yes: 12
- No: 0
- Abstain: 0

- WG Approval 6/0/0
- Document: http://grouper.ieee.org/groups/802/PARs/2013-07/P802_19_1_PAR_Detail_R1.pdf

* Motion #9	Move to approve forwarding the IEEE P802.19.1 PAR extension request to NesCom
Moved	Shellhammer
Second	Das
Results	12-0-0
Motion	passes
Reference	Agenda Item #5.031

5.04		**IEEE 802.21**	**Das**		**03:07 PM**
5.041	**ME**	IEEE 802.21c Optimized Single Radio Handovers to Sponsor Ballot	**Das**	**5**	**03:07 PM**

Das presented the following slides

IEEE 802.21 Motions in July Plenary

DCN: 21-13-0131-00-0000

Title: Request for conditional Sponsor Ballot Approval for IEEE 802.21c

Date Submitted: July 18, 2013

Presented at EC Closing Plenary, July 19, 2013

Authors or Source(s):

Subir Das, Applied Communication Sciences

Abstract: This document contains WG Letter Ballots summary and motions for conditional Sponsor Ballot approval

Submission   1

doc.: 21-13-0131-00-0000

Topic

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

Submission   Slide 2   Subir Das, Chair IEEE 802.21

Conditional Approval Rules
Clause 12

Motions requesting Conditional Approval to forward where 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

IEEE P802.21c WG Ballot Result #6C

- Date the last ballot closed: July 10th, 2013
- Vote tally including Approve, Disapprove and Abstain votes:
    Ballot Pool = 22, Return ratio= 81.81 (%), # of comments = 101 (T-37, E-64)
    Number of Approves = 16
    Number of Disapproves = 02
    Number of Abstains = 04
    Approval Ratio = 88.88%
- Comments that support the remaining disapprove votes and Working Group responses – All comments are accepted and requests are made to the disapprover voters

IEEE P802.21c Draft History and Statistics

IEEE 802.21 WG Letter Ballot	Launch Date	# of Comments Received	Comment Resolution Status	Return Ratio	Approval Ratio	Draft Status
WG LB #6 (P802.21c Draft D1.0)	October 10, 2012	283 (153T/ TR, 130E/ ER)	Comments were addressed and Resolved	68.18%	46.70%	P802.21c Draft D2.0 Prepared
WG LB #6a (P802.21c Draft D2.0)	February 01, 2013	252 (118T/ TR, 134E/ ER)	Comments were addressed and Resolved	81.81%	61.1%	P802.21c Draft D3.0 Prepared
WG LB #6b (P802.21c Draft D3.0)	April 26, 2013	143 (82 T/ TR, 61 E/ ER)	Comments were addressed and Resolved	77.27%	76.5%	P802.21c Draft D4.0 Prepared
WG LB#6c (P802.21c Draft D3.0)	June 25, 2013	101 (37T/ TR, 64 E/ ER)	Comments were addressed and Resolved	81.81%	88.88%	P802.21c Draft D5.0

Draft is available in private area:
http://www.ieee802.org/21/private/802.21c/

Links to WG Letter Ballot Comments

- **WG LB #6:**
  - https://mentor.ieee.org/802.21/dcn/12/21-12-0165-10-srho-lb-comments-and-resolution.xlsx
- **WG LB #6a:**
  - https://mentor.ieee.org/802.21/dcn/13/21-13-0063-03-0000-lb-comments-and-resolution.xlsx
- **WG LB #6b:**
  - https://mentor.ieee.org/802.21/dcn/13/21-13-0084-03-srho-802-21c-ballot-6b-comments-and-resolution.xlsx
- **WG LB #6c:**
  - https://mentor.ieee.org/802.21/dcn/13/21-13-0117-06-srho-802-21c-lb6c-comment-resolution.xlsx

Links to Disapprove Voter's Comments

- https://mentor.ieee.org/802.21/dcn/13/21-13-0142-00-srho-lb6c-disapprove-vote-comments-and-resolution.xlsx

Tentative Time-line for P802.21c Sponsor Ballot

- July 26, 2013 – LB #6d recirculation
- August 30, 2013 – LB#6e recirculation (if needed)
- September 15-20, 2013 – Address comments
- September 30, 2013 - Sponsor Ballot Pool formation
- October 04, 2013 – 30 Days Sponsor Ballot Starts
- November 15-20, 2013- Address Comments
- December 02, 2013 – Sponsor Ballot Recirculation
- January 19-24, 2014– Address Comments
- February 10, 2014 – Sponsor Ballot recirculation
- March 16-21, 2014 - Address Comments
- April 2014 – Sponsor Ballot recirculation

P802.21 WG Motion

Move to authorize the 802.21 WG Chair to make a motion to the IEEE 802 Executive Committee for conditional approval to forward the IEEE P802.21c Draft for Sponsor Ballot

Move: Anthony Chan
Second: Charlie Perkins

For: 10
Against: 00
Abstain: 00

Motion Passes

Motion

Motion: To grant conditional approval, under Clause 12, to forward P802.21c Draft to Sponsor Ballot

Move: Subir Das
Second: Steve Shellhammer

For: 13
Against: 0
Abstain: 0

Motion Passes

* Motion #10	To grant conditional approval, under Clause 12, to forward P802.21c Draft to Sponsor Ballot
Moved	Das
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.041

5.05		IEEE 802.22	Mody	-	03:12 PM
5.06		IEEE 802.1	Jeffrey		03:12 PM
5.061	ME	IEEE 802.1Qcc Stream Reservation amendment to NesCom	Jeffree	5	03:12 PM

Jeffree presented the following slides.

Motion

- 802.1 requests EC approval to forward the P802.1Qcc "Stream Reservation Protocol (SRP) Enhancements and Performance Improvements" PAR to NESCOM
- Proposed: Johas Teener
- Second: Gray
- For 24 Against 0 Abstain 4

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

P802.1Qcc supporting material

- PAR was precirculated, comments were received from 802.11 and were responded to, updated PAR and 5C were circulated, and are available here:
- http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-par-0713-v2.pdf
- http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v2.pdf

* Motion #11	802.1 requests EC approval to forward the P802.1Qcc "Stream Reservation Protocol (SRP) Enhancements and Performance Improvements" PAR to NESCOM
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.061

Jeffree presented the following slides.

Motion

- 802.1 requests EC approval to forward the P802.1Qcd Application VLAN ID TLV PAR to NESCOM
- Proposed: Thaler
- Second: Gray

For 26 Against 0 Abstain 2

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

P802.1Qcd supporting material

- PAR was precirculated, comments were received from 802.11 and were responded to, updated PAR was circulated, and is available here:
- http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-par-0713-v01.pdf
- 5C document is unchanged from the version precirculated:
- http://ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-5c-0513-v01.pdf

* Motion #12	802.1 requests EC approval to forward the P802.1Qcd Application VLAN ID TLV PAR to NESCOM
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.062

Jeffree presented the following slides.

Motion

- 802.1 requests EC approval to submit 802.1Qbp to Sponsor Ballot.

- Proposed: Haddock
- Second: mack-crane
- For _20____Against__1___ Abstain _12____

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

802.1Qbp D1.5 WG Ballot Results

Category	Total	Percentage
Yes	19	95%
No	1	5%
Abstain	24	55%
No. of Voters	60	100%
Voters responding	44	73%

- *CI 20 SC 20.28.2 P96 L 27 # 2* Xiao Min
- *Comment Type TR*   *Comment Status R*
  - Current draft states "the flow_hash parameter is set to zero", which is believed to be inflexible, for example, if the LBR path with flow_hash 0 is failed, the LoopBack function can't work. As what's been proposed before, an optional Reverse Flow Hash TLV should be defined for LBM, which provides the operator with flexibility on selecting LBR path.
- *SuggestedRemedy*
  - Because the Reverse Flow Hash has the similar intention as Reverse MAC & Reverse VID carried in PBB-TE MIP TLV, item d) may be changed to: d) In the case of ECMP with flow filtering, the flow_hash parameter is set to the value carried in the Reverse Flow Hash field contained in the Reverse Flow Hash TLV of the received LBM, otherwise set to zero if there is no Reverse Flow Hash TLV in the received LBM, and the time_to_live parameter is set to 63. Some other changes are needed and have been recorded in D1-1 of this draft standard.
- *Response*
  - REJECT.
  - If there is no reverse path and the LBR is not received this indicates there is a problem. This is an expected result (fault detection or verification) and not a failure of LBR. Also note that D1.1 does not contain the changes required to specify a reverse flow hash.
  - This has been proposed in the past and has not received sufficient support. **It is a restatement of a comment submitted on the first WG ballot.**

- **CI 20 SC 20.47.4 P99 L 22 # 3** Xiao Min
- **Comment Type TR   Comment Status R**
  - Current draft states "the flow_hash parameter is set to zero", which is believed to be less reliable, for example, if one LTR path with flow_hash 0 is failed, the LinkTrace function would fail to tell the correct node list through the path. As what's been proposed before, more LTRs than one (the number of LTRs equals the number of available LTR paths) should be allowed sent from every MP, which makes the LinkTrace function more reliable when it's used for ECMP path.
- **SuggestedRemedy**
  - Insert below text to 20.47.4 first paragraph: In the case of ECMP with flow filtering, constructs and enqueues one or more LTR(s) which cycles through all available path(s) for later transmission by xmitOldestLTR() as follows. Because the behavior that LTR cycles through a set of flow hash values is similar to CCM used for ECMP path MA, item e) may be changed to: e) In the case of ECMP with flow filtering, the flow_hash parameter cycles through a set of flow hash values if there are more than one available path, otherwise is set to zero if there is only one available path, and the time_to_live parameter is set to 63. Some other changes are needed and the commenter can help the editor to sort them out.
- **Response**
  - REJECT.
  - Although unlikely, LTR frames may be lost for a number of reasons. It is likely that a subsequent LTM will result in an LTR being received. Sending additional LTR frames is complicated and would not provide any significant benefit. The calculation required to identify the set of flow hash values covering the set of possible return paths is significant (for a MIP). Multiple LTRs may create undesirable load on the network.
  - This has been proposed and discussed before. The proposal has not received sufficient support to include it in the standard. It is a restatement of a comment submitted on the first WG ballot.

- **CI 12 SC 12.14.7.1.3 P23 L 53 # 11** Xiao Min
- **Comment Type TR   Comment Status R**
  - I think the list element order in the list of flow hash values will affect the correct set of RDI flag, in detail, the list element order in one MEP should be aligned with the list element order in peer MEP to ensure congruent path CCM transmission, otherwise the set of RDI flag in CCM[i] can't reflect unidirectional path failure of path[i] correctly
- **SuggestedRemedy**
  - For manual input of the list of flow hash values, it should be noted that consistent order is needed for two MEPs in the same MA; For auto generation of the list of flow hash values, it should be noted that one common method which ensures consistent list order should be used by two MEPs in the same MA
- **Response**
  - REJECT.
  - The method described does not depend on the order or number of flow hashes configured at each end of the MA. RDI is set if a sufficient period passes without receiving a CCM and the RDI is returned in transmitted CCMs regardless of the flow hash associated with those CCMs.
  - Discussion revealed a further proposal to send information along with RDI that indicates a specific flow hash (representing a path) as being failed.
  - This comment is out of scope for this recirculation ballot. The comment may be resubmitted with proposed text at Sponsor ballot.

* Motion #13	802.1 requests EC approval to submit 802.1Qbp to Sponsor Ballot.
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.063

Jeffree presented the following slides.

MOTION

- 802.1 requests EC approval for forwarding P802.1AS-Cor1 to RevCom.
- Proposed: Parsons
- Second: Gray
- For: 26 Against: 0 Abstain: 1

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

P802.1AS-Cor1 supporting material

BALLOT OPEN DATE: 25-Apr-2013
BALLOT CLOSE DATE: 05-May-2013
TYPE: New
DRAFT #:   D3.1
BALLOTS RECEIVED: 8
VOTE CHANGES: 7
COMMENTS: 9
MUST BE SATISFIED COMMENTS: 2

RESPONSE RATE
This ballot has met the 75% returned ballot requirement.
81 eligible people in this ballot group.

71   affirmative votes
0   negative votes with comments
0   negative votes without comments
3   abstention votes: (Lack of expertise: 1, Lack of time: 2)
74   votes received = 91% returned, 4% abstention

APPROVAL RATE
The 75% affirmation requirement is being met.
71   affirmative votes
0   negative votes with comments
71   votes = 100% affirmative

* Motion #14	802.1 requests EC approval for forwarding P802.1AS-Cor1 to RevCom.
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.064

5.07		**IEEE 802.3**	**Law**		**03:32 PM**
5.071	**ME**	IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) to RevCom	**Law**	**5**	**03:32 PM**

Law presented the following slides.

ME: IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) submittal to RevCom

IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) Sponsor ballot results

- 1st Sponsor recirculation ballot – draft D3.1
  - Ballot opened 3rd June, closed 18th June 2013
  - 100% approval, 4 comments received

	Initial Draft D3.0			1st Recirculation Draft D3.1			Req %
	#	%	Status	#	%	Status	
Abstain	5	7	PASS	5	7	PASS	< 30
Disapprove with comment	2	-	-	0	-	-	-
Disapprove without comment	0	-	-	0	-	-	-
Approve	59	96	PASS	62	100	PASS	≥ 75
Ballots returned	66	81	PASS	67	82	PASS	≥ 75
Voters	81	-	-	81	-	-	-

IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) forward to RevCom

Motion

The IEEE 802 Executive Committee grants approval of the submittal of IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) to RevCom

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

Working Group vote:
Y: 99, N: 0, A: 3

* Motion #15	The IEEE 802 Executive Committee grants approval of the submit IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) to RevCom
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.071

5.08		IEEE 802.11	Kraemer		03:37 PM
5.081	ME	IEEE 802.11af Enhancements for Operation in unused TV bands (TV White Space) PAR Extension to NesCom	Kraemer	5	03:37 PM

Kraemer presented the following slides (802.11-13/0677r0) slide 4

(5.08.1) P802.11af PAR Extension

- Request NesCom to approve a 1-year extension of the P802.11af (TVWS) PAR.
- Moved: Bruce Kraemer
- Seconded:

- In the WG Vote: 47,0,0 – passes
- PAR information is in 11-09/934r8
- Rationale for extension:
  - *The 802.11 TGaf draft passed working group letter ballot in August 2012. The draft has been recirculated in February, April and June 2013. The working group expects to start Sponsor Ballot before the end of the year. The working group will require time to complete the Sponsor Ballot process and therefore an extension of the PAR is required*

Submission   Slide 4   Rich Kennedy, BlackBerry

P802.11af PAR extension supporting data

- 3.1. What date did you begin writing the first draft: 24-Jan-2011
- 3.2. How many people are actively working on the project: 40
- 3.3. How many times a year does the working group meet? In person: 6; Via teleconference: 35
- 3.4. How many times a year is a draft circulated to the working group via electronic means: 3
- 3.5. What percentage of the Draft is stable: 97%
- 3.6. How many significant work revisions has the Draft been through: 5
- 4. When will/did sponsor balloting begin: 01-Sep-2013
- When do you expect to submit the proposed standard to RevCom: 01-Jun-2014
- Has this document already been adopted by another source?: No

Submission   Slide 5   Adrian Stephens, Intel Corporation

* Motion #16	Request NesCom to approve a 1-year extension of the P802.11af (TVWS) PAR.
Moved	Kraemer
Second	Rosdahl
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.081

| 5.082 | ME | IEEE 802.11af Enhancements for Operation in unused TV bands (TV White Space) to Sponsor Ballot (Conditional) | **Kraemer** | | |

Chair noted cut / paste error in title of item delete "PAR Extension," No objections to correcting the error.

Kraemer presented following slides. Slide 6, 7, 8, 9, unresolved comments were shown

(5.08.2) P802.11af to Sponsor Ballot (Conditional)

- Grant conditional approval to forward P802.11af to sponsor ballot.

- Moved: Bruce Kraemer
- Seconded:

- In the WG vote: 107,0,1 – passes
- Document https://mentor.ieee.org/802.11/dcn/13/11-13-0726-02-00af-p802-11-report-to-ec-on-conditional-approval-for-sponsor-ballot.pptx contains the supporting report

802.11 WG Letter Ballot Results – P802.11af

Ballot ID	Ballot Close Date	Title	Ballot Type	Pool	Return	% Return	Abstain	% Abstain	Approve	Disapprove	% Approve
189	2012-08-19	Draft P802.11af_D2.0.pdf	Technical	300	219	73	14	6	163	43	79
192	2013-02-08	Draft P802.11af_D3.0.pdf first recirculation	Recirculation	300	231	77	8	4	194	30	87
195	2013-04-17	Draft P802.11af_D4.0.pdf second recirculation	Recirculation	300	237	79	7	3	211	19	92
196	2013-06-14	Draft P802.11af_D5.0.pdf third recirculation	Recirculation	300	238	79	8	3	215	14	94
196.1		LB196 Post Ballot vote changes		300	238	79	8	3	225	3	99

Unsatisfied Technical comments by commenter

Voter	LB189	LB192	LB195	LB196	Total
bin.chen@huawei.com	1	0	0	0	1
joekwak@sbcglobal.net	4	16	2	0	22
joseph.levy@interdigital.com	7	4	1	0	12
Total	12	20	3	0	35

TGaf Timeline

	Open	Close
Ballot Group formation	2-July-13	6-Aug-13
Fourth recirculation (TGaf D5.0)	17-July-13	1-Aug-13
First sponsor ballot	Aug-13	Sept-13
Second sponsor ballot	Oct-13	Oct-13
Third sponsor ballot	Nov-13	Nov-13
Fourth sponsor ballot	Jan-14	Jan-14
Fifth sponsor ballot	Feb-14	Feb-14

EC to RevCom Jan-14

RevCom to SASB Feb-14

* Motion #17	Grant conditional approval to forward P802.11af to sponsor ballot.
Moved	Kraemer
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.082

5.09		**IEEE 802.15**		**Kinney**		**03:42 PM**
5.091	**ME**	IEEE 802.15.10 Layer 2 Routing (L2R) Recommend Practice PAR to NesCom		**Kinney**	**30**	**03:42 PM**

Kinney presented slides 29-33, Document 802.15-13-0474-01-0000.

802.15.10 PAR for L2R

- Comments received from Bob Grow, Paul Nikolich, 802.1, 802.11, and 802.19. The majority of comments were accepted
- Responses previously circulated in documents 13-0452 (responses to 802.1) and 13-0448 (responses to everyone else.
- A key point is that this is not a bridging PAR. It is all about frame forwarding within a homogeneous 64bit MAC environment (currently 15.4).

802.15.10 PAR for L2R

15.10 Elevator Pitch

•Why do you need to forward MAC frames for 802.15.4? (i.e. why can't you bridge?) IEEE 802.15.4 frames use short addresses (1-2 octets) to reduce frame durations resulting from the very low data rates, these short addresses are assigned by one device, the PAN coordinator. These short addresses are used in command frames that are required to maintain network connectivity, they are used in 802.15.4's security, and must be delivered within a certain time frame, hence the forwarding must be done at the MAC sublayer.

802.15.10 PAR for L2R

Figure 1 – Standard-compliant network

Deployed Mesh Networks:
- ZigBee
- IEC 62591
- IEC 62601
- IEC 62734
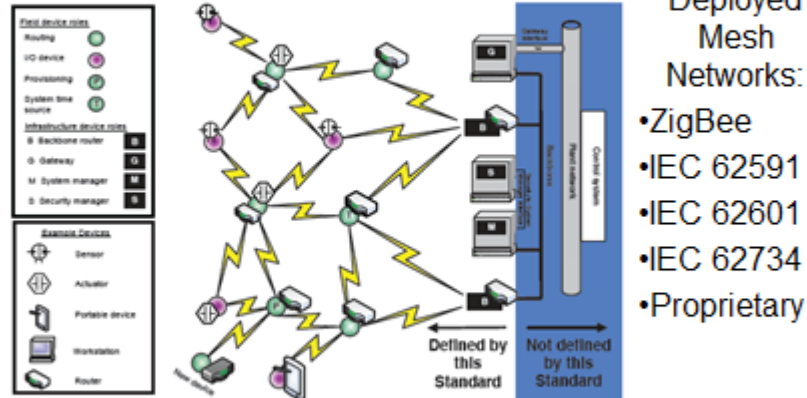- Proprietary

Example of Deployed Mesh Networks

802.15.10 PAR for L2R

Market Driven Request:

Following the adoption of IEEE 802.15.4g (Smart Grid), the next action item is to address the selection of mesh network algorithms. There are many mesh network algorithms being used in other non-IEEE standard networks and proprietary networks. There are many "flavors" of mesh algorithms arising from the multitude of drivers such as MAC mode such as superframe, latency, energy, etc. The intent of this project is to form a short list of mesh algorithms that sufficiently serve the 802.15.4 markets.

Motion on 15.10 Draft PAR

The 802.15 WG requests that the 802 EC authorize forwarding the revised 802.15.10 PAR (13-0231-04) as amended to change "define a protocol" to "identify protocols" to NesCom.

(WG Vote: 45/0/1)

Moved: Pat Kinney
Second: James Gilb

Discussion
Jeffree indicated he had been given a WG position to oppose this motion, as well as his own opinion. No discussion between 802.15 and 802.1 to discuss and develop clear understanding from 802.1 perspective of what the requirements are from the 802.15 perspective, and what is needed from 802.1 technology. Also concern that this is being put forward as a recommended practice rather than a standard. Kraemer indicated he did not have a directed position. Law suggested discussion at Nov Workshop for adding a definition for mesh. Perspective from 802.15 was provided, including that the definition of mesh was included in 802.15. It was noted that file name listed in header did not match the actual file name.

* Motion #18	The 802.15 WG requests that the 802 EC authorize forwarding the revised 802.15.10 PAR (13-0231-04) as amended to change "define a protocol" to "identify protocols" to NesCom. (WG Vote: 45/0/1)
Moved	Kinney
Second	Gilb
Results	7-5-1
Motion	Motion Passes
Reference	Agenda Item #5.091

Chair noted that improved communications / co-ordination with 802.1, and perhaps other groups, needs to be taken back to 802.15. It was suggested that 802.15 should talk to meeting organizer regarding Sept 2013 Interim. 802.1 would like to co-locate with 802.11 in January in Los Angeles.

Reference 5.091   Action – Kinney – Communicate to 802.15 from EC the observed need for improved communications / co-ordination with other 802 working groups.

Kinney presented following slides.

July 2013   doc.: IEEE 802.15-13-0474-00-0000

802.15.4 Revision PAR

- PAR submitted under the 48 hour rule
- PAR need is to roll up the 5 completed 15.4 amendments and correct known errors
- Comments were received from Jon Rosdahl. Those were previously distributed to the EC along with responses. Of the three comments one was accepted and resulted in a change to the Stakeholder section

Submission   Bob Heile, ZigBee Alliance

July 2013   doc.: IEEE 802.15-13-0474-00-0000

Motion-15.4 Revision PAR

The 802.15 WG requests that the 802 EC authorize forwarding the 802.15.4 Revision PAR, document 15-13-0428-01, to NesCom.
(WG vote: 53/0/0)
Moved: Pat Kinney
Second: James Gilb

Submission   Bob Heile, ZigBee Alliance

Concerns were expressed regarding how the project was being described within the PAR.

* Motion #19	The 802.15 WG requests that the 802 EC authorize forwarding the 802.15.4 Revision PAR, document 15-13-0428-01, to NesCom. (WG vote: 53/0/0)
Moved	Kinney
Second	Gilb
Results	10-1-2
Motion	Passes
Reference	Agenda Item #5.092

Chair noted that rule would be enforced in future that final version of PAR needs to be circulated by Wed.of Plenary week.

Kinney presented following slides.

802.15.4m Unconditional Approval to Start Sponsor Ballot

802.15.4m Letter Ballot History

Initial Letter Ballot (LB87) closed 1 March 2013
- Vote Results (pool of 125 voters)
  - 97 Responses (78%)
  - 83 Yes, 11 no (88% approval ratio)
  - 3 Abstain (3%)
  - Ballot passes

- 551 comments from 28 commenters
  - 311 Must Be Satisfied
    (228 accepted, 82 rejected, 1 out of scope)
  - 240 Other

- Comment Resolution Spreadsheet:
  https://mentor.ieee.org/802.15/dcn/13/15-13-0107-05-004m-tg4m-lb87-comment-spreadsheet.xls

802.15.4m Letter Ballot History

Recirc-1 (LB88) closed 16 April 2013

- Final cumulative vote results (pool of 125 voters)
  - 101 Responses (81% response ratio)
  - 88 Yes, 10 no (90% approval ratio)
  - 3 Abstain (3% abstain ratio)
  - Ballot passes

- 93 comments from 12 commenters
  - 47 Must Be Satisfied
    (43 accepted, 4 rejected)
  - 46 Other

- Comment Resolution Spreadsheet:
  https://mentor.ieee.org/802.15/dcn/13/15-13-0246-04-004m-tg4m-1b88-comment-spreadsheet.xls

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802.15.4m Letter Ballot History

Recirc-2 (LB90) closed 11 May 2013

- Final cumulative vote results (pool of 125 voters)
  - 102 Responses (82% response ratio)
  - 89 Yes, 10 no (90% approval ratio)
  - 3 Abstain (3% abstain ratio)
  - Ballot passes

- 25 comments from 7 commenters
  - 10 Must Be Satisfied
    (7 accepted, 2 rejected, 1 withdrawn)
  - 15 Other

- Comment Resolution Spreadsheet:
  https://mentor.ieee.org/802.15/dcn/13/15-13-0292-03-004m-tg4m-1b90-comment-spreadsheet.xls

802.15.4m Letter Ballot History

Recirc-3 (LB91) closed 11 June 2013 – Final Recirc.

- Final cumulative vote results (pool of 125 voters)
  - 103 Responses (82% final response ratio)
  - 93 Yes, 7 no (93% final approval ratio)
  - 3 Abstain (3% final abstain ratio)
  - Ballot passes

- 5 comments from 1 commenter
  - All 5 comments withdrawn by commenter

- Comment Resolution Spreadsheet:
  https://mentor.ieee.org/802.15/dcn/13/15-13-0349-00-004m-tg4m-lb91-comment-spreadsheet.xls

802.15.4m Letter Ballot History

Ballot Conclusion:

•There were no new comments supporting "no" votes and no new "no" voters. Of the remaining 7 "no" voters, none voted on the latest recirc (i.e. recirc 3)

•All comments and resolutions have been circulated at least once.

- No changes are being made to the draft that was just recirculated

15.4m Review by Editorial Coordination Staff

- d3P802-15-4m_Draft_Standard sent to Editorial Coordination Staff for MEC review on 6/26/13

- MEC Review Completed on 7/8/13
  - Response from Michelle Turner:
    "This draft meets all editorial requirements."

Comments supporting No votes

- 78 Total comments from 7 No voters
  - 76 "Must Be Satisfied"(MbS) comments
    - 15 "Must Be Satisfied" (MbS) comments Accepted
    - 25 "Must Be Satisfied" (MbS) comments Accept in Principle
    - 36 "Must Be Satisfied" (MbS) comments Rejected
      - 12 comment types (21 unique comments, 15 same material)
  - 2 other
  - 7 voters remain unsatisfied- but this is as good as it is going to get.
  - Summary of 36 Rejected "Must Be Satisfied" Comments, from 7 No Voters at end of this presentation for those who are interested

802.15.4m Proposed Schedule for ballots and meetings

- Initial Letter Ballot
  - 30 January 2013 to 1 March 2013
- 1st recirculation
  - 31 March 2013 to 16 April 2013
- 2nd recirculation
  - 25 April 2013 to 11 May 2013
- 3rd recirculation
  - 27 May 2013 to 11 June 2013

15.4m EC motion

Motion: *802.15 requests the EC grant unconditional approval to submit 802.15.4m draft to Sponsor Ballot* (WG vote 48/0/1)

- EC vote
  - Moved: Kinney, Seconded: Chaplin

* Motion #20	Motion: *802.15 requests the EC grant unconditional approval to submit 802.15.4m draft to Sponsor Ballot* (WG vote 48/0/1)
Moved	Kinney
Second	Chaplin
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.093

Kinney presented following slides. Kinney presented slides 14 – 19

802.15.4p Unconditional Approval to Start Sponsor Ballot

802.15.4p Letter Ballot History

- Initial Letter Ballot (LB89) closed 5 May 2013
- Vote Results (pool of 125 voters)
  - 96 Responses (76.8%)
  - 89 Yes, 1 no (98.9% approval ratio)
  - 6 Abstain (6.3%)
  - Ballot passes
- 75 comments from 10 commenters
  - 37 Must Be Satisfied (37 accepted)
    - All were addressed
  - 38 other, 33 accepted, 5 rejected, 0 out of scope
- Comment Resolution Spreadsheet:
  - https://mentor.ieee.org/802.15/dcn/13/15-13-0283-07-004p-letter-ballot-consolidated-comments.xls (Tab "LB #89 Comments")

802.15.4p Letter Ballot History

- Recirc-1 (LB92) closed 30 June 2013
- Cumulative vote results (pool of 126 voters)
  - 99 Responses (78.6% response ratio)
  - 93 Yes, 0 no (100% approval ratio) (the single no voter changed his vote after recirc closed)
  - 6 Abstain (6.1% abstain ratio)
  - Ballot passes
- 81 comments from 2 commenters
  - 0 "must be satisfied"; 81 minor comments from technical editor deferred to sponsor ballot
- Comment Resolution Spreadsheet:
  - https://mentor.ieee.org/802.15/dcn/13/15-13-0283-07-004p-letter-ballot-consolidated-comments.xls (Tab "LB #92 Comments")

802.15.4p Letter Ballot History

- **Ballot To Date:**
  - There were no new comments supporting "no" votes and no new "no" voters
  - The 1 "no" voter did not vote on the latest recirc (i.e. recirc 1) but indicated in writing on 16 July that he would now change his vote to YES
  - No changes will be made to the draft at this point – what was recirc'ed will go to sponsor ballot

15.4p Review by Editorial Coordination Staff

- d2P802-15-4p_Draft_Standard sent to Editorial Coordination Staff for MEC review with the result:

    "This draft meets all editorial requirements."

- Note that technical editor is Monique B Brown

Motion

- *IEEE 802.15 requests unconditional approval from the EC to submit D2P802-15-4p_draft _standard.pdf to Sponsor Ballot*

(WG vote 54/0/0)

– Moved:

– Seconded:

– Yes/No/Abstain:

* Motion #21	IEEE 802.15 requests unconditional approval from the EC to submit D2P802-15-4p_draft _standard.pdf to Sponsor Ballot (WG vote 54/0/0)
Moved	Kinney
Second	Chaplin
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.094

6.00		Executive Committee Study Groups, Working Groups, TAGs			04:27 PM
6.01		~~IEEE 802.16~~	~~Marks~~	-	~~04:27 PM~~
6.02		~~IEEE 802.18~~	~~Lynch~~	-	~~04:27 PM~~
6.03	-	~~IEEE 802.19~~	~~Shellhammer~~	-	~~04:27 PM~~
6.04		~~IEEE 802.21~~	~~Das~~	-	~~04:27 PM~~
6.05		~~IEEE 802.22~~	~~Mody~~	-	~~04:27 PM~~
6.06		~~IEEE 802.24~~	~~Gilb~~	-	~~04:27 PM~~
6.07		**IEEE OmniRAN EC Study Group**	**Riegel**	**0**	**04:27 PM**
6.071	MI	IEEE OmniRAN EC Study Group 2nd Extension	Riegel	30	04:27 PM

Riegel presented slides from omniran-13-0057-00-ecsg.

omniran-13-0057-00-ecsg

IEEE 802 OmniRAN EC SG
July 2013 Report

Max Riegel
(EC SG Chair)

1

OmniRAN EC SG Jul '13 Objectives

- When renewing the OmniRAN EC SG on March 22nd the IEEE 802 EC refined the objectives for the OmniRAN EC SG:
  - To perform a gap analysis that shows what pieces of work that are relevant to 802 (standards and standards under development) are not covered by existing external SDOs (IETF, 3GPP,...) and internal, and socialize that analysis with those SDOs;
    - Gap analysis performed for 3 use cases; ongoing discussions with related working groups and external SDOs on gap analysis findings.
  - Having performed that gap analysis, define a crisp scope of the ECSG (target 15 words or less);
    - To draft PAR and 5C on 'Recommended Practice on Network Reference Model and Functional Description of IEEE 802-based Access Network'
  - Define what piece(s) of work within that scope (a) fall legitimately within 802's remit and (b) are achievable within an 802 activity
    - The proposed draft PAR addresses (a) and (b)

2

Gap Analysis

- Defining a simplistic network reference model,
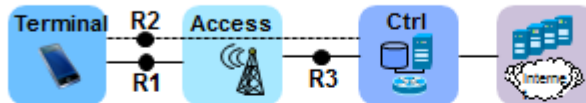
- a couple of use cases were investigated:
  - 3GPP Trusted WLAN Access to EPC
    - TS 23.402 V11.6.0 (2013-03)
  - ZigBee SEP2 Smart Grid Use Case
    - ZigBee docs-09-5449-33-0zse
  - SDN-based OmniRAN Use Case
- Initial investigations show missing functionalities in some IEEE 802 specifications regards the investigated use cases.
  - Sharing of findings in progress with the related working group and investigations will continue directly together with working groups.
- Main issue was, that it was less than obvious how the pieces of IEEE 802 are fitting together
  - There is need for better documentation how IEEE 802 protocols work together to create access networks for particular deployments
  - There is no consistent way how IEEE 802 handles the IEEE 802 information elements going over IP protocols
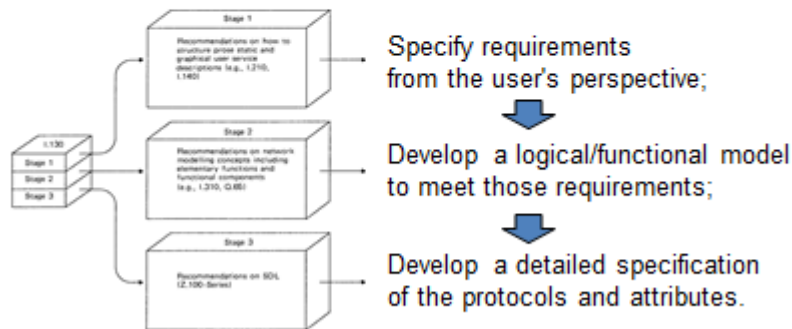
3

Topics for Standardization in IEEE 802

- Establishing a common approach of specifying 'external' control into IEEE 802 technologies would require:
  - a specification describing the Network Reference Model and listing the DL and PHY control functions required for access networks and SDN
    - To be addressed by a PAR developped by OmniRAN EC SG
  - a specification on the usage of IP protocols for the transport of IEEE 802 attributes
    - Topic for the joint IEEE 802 – IETF coordination group
  - specifications of the control attributes for the individual IEEE 802 technologies by their working groups
    - Should go into annex of related specifications to ensure consistency

- Gaps within IEEE 802 technologies may be discovered but should be addressed by the related IEEE 802 WGs

Tribute to ITU
Network Protocol Specification in 3 Stages

- For the specification of the Integrated Services Digital Network the ITU-T defined in its Rec. I.130 a sequential 3 stage process,.
- This process is nowadays commonly used in most telecommunication network standardization activities.
- Some IEEE 802 WGs have successfully followed this model.

Specify requirements from the user's perspective;

Develop a logical/functional model to meet those requirements;

Develop a detailed specification of the protocols and attributes.

More Information:
ETSI: *Making Better Standards*
http://docbox.etsi.org/MTS/MTS/10-PromotionalMaterial/MBS-20111118/protocolStandards/stagedApproach.htm

Applying the same approach to IEEE 802

- Direct evaluation of IEEE 802 protocols out of service/deployment requirements is challenging.

'External' requirements from the service/deployment perspective

Available IEEE 802 specifications of protocols and attributes.
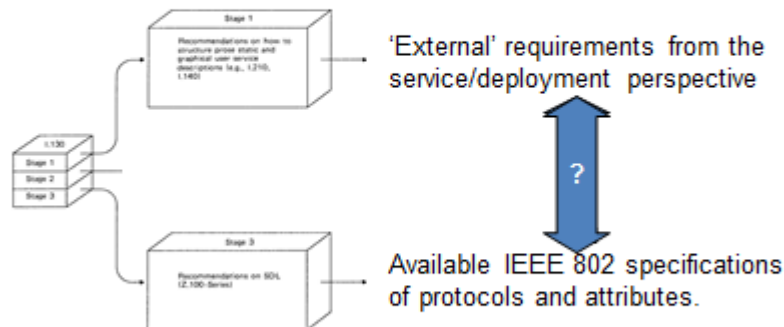
6

OmniRAN EC SG proposes to

- Develop a PAR and 5C for an IEEE 802 Recommended Practice by Nov '13
  - Potential title: 'Network Reference Model and Functional Description of IEEE 802 based Access Networks'
    - Similar to a 'Stage 2' specification
- Suggest the best home for the project.

7

Motion

- Approve the extension of the OmniRAN EC SG until the end of the Nov '13 meeting.

  - Moved
  - Seconded

8

Jeffree indicated that 802.1 could be a "host" for this effort.

* Motion #22	Approve the extension of the OmniRAN EC SG until the end of the Nov '13 meeting.
Moved	Jeffree
Second	Mody
Results	13-0-1
Motion	Passes
Reference	Agenda Item #6.071

6.08		IEEE 802.1	Jeffree	-	04:57 PM
6.09		IEEE 802.3	Law		04:57 PM
6.091	MI	IEEE 802.3 Distinguished Minimum Latency Traffic in a Converged Traffic Environment Study Group (2nd extension)	Law	5	04:57 PM

Law showed following slides

MI: IEEE 802.3 Distinguished Minimum Latency Traffic Study Group (2nd extension)

IEEE 802.3 Distinguished Minimum Latency Traffic Study Group (2nd extension)

Motion:

The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 Distinguished Minimum Latency Traffic Study Group

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

Working Group vote:
Y: 82, N: 0, A: 13

* Motion #23	The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 Distinguished Minimum Latency Traffic Study Group
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #6.091

6.092	MI*	IEEE 802.3 400 Gb/s Ethernet Study Group (1st extension)	Law	0	05:02 PM
6.093	MI*	IEEE 802.3 4-Pair Power over Ethernet (PoE) Study Group (1st extension)	Law	0	05:02 PM

Approved with approval of agenda.

6.094	MI	IEEE 802.3 Power over Data Link (PoDL) Study Group formation	Law	5	05:02 PM

Law presented following slides

ME: IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release

IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release

The IEEE 802 Executive Committee supports the IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release IEEE-SA_Press_Release_1-pair_PoDL_Study_Group_17JUL13_D6.pdf, with editorial license granted to the Chair.

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

* Motion #24	The IEEE 802 Executive Committee grants approval for the formation of the IEEE 802.3 1-Pair Power over Data Link (PoDL) Study Group formation within IEEE 802.3	
Moved	Law	
Second	D'Ambrosia	
Results	12-0-0	
Motion	Passes	
Reference	Agenda Item #6.094	

6.095	II	Industry Connections Activity Initiation Document - Next Generation Passive Optical Networking	Law	2	05:07 PM

Law gave verbal update

Announced as new activity on Monday

DIdn't mean appropriate deadline

Meeting this week to work on ICAID, and will work in Nov.

6.10		IEEE 802.11	Kraemer		05:09 PM
6.101	MI*	IEEE 802.11 HEW Study Group (1st Extension)	Kraemer	0	05:09 PM

Approved with approval of agenda.

6.11		**IEEE 802.15**	**Kinney**	**-**	**05:09 PM**
6.111	**MI**	IEEE 802.15 L2R Study Group (2nd Extension)	**Kinney**	**5**	**05:09 PM**

Kinney presented following slide

Contingency Renewal of the L2R SG

Motion: 802.15 requests the EC renew
the L2R SG for another cycle
(WG Vote: 33/0/1:)

Moved: Pat Kinney

Second: Steve Shellhammer

* Motion #25	802.15 requests the EC renew the L2R SG for another cycle (WG Vote: 33/0/1:)
Moved	Kinney
Second	Shellhammer
Results	12-0-0
Motion	Passes
Reference	Agenda Item #6.111

Kinney showed following slides

Study Group for Spectrum Resource Utilization (SRU) through Radio Resource Mesurement and Management for WPANs

The focus of the Study Group is to draft a PAR and 5C for achieving more efficient utilization of spectrum resources through mechanisms of Radio Resource Measurement and Management for WPANs, primarily targeting applications using 802.15.4. Of particular interest are applications typical of those found in Hospital/Medical/Healthcare, Industrial Automation, and Infrastructure Monitoring.

(WG vote: 47/0/2)

Motion

802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Spectrum Resource Utilization (SRU) through Radio Resource Measurement and Management for WPANs

Moved: Pat Kinney

Second: James Gilb

* Motion #26	802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Spectrum Resource Utilization (SRU) through Radio Resource Measurement and Management for WPANs
Moved	Kinney
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #6.112

Kinney showed following slides

doc.: IEEE 802.15-13-0474-00-0000

THz SG on Beam switchable wireless point-to-point 40/100 Gbps links

The focus of this Study Group is to develop a PAR and 5C addressing Beam switchable wireless point-to-point 40/100 Gbps links. Potential applications of interest include wireless data centers, wireless intra-device communication, and wireless backhauling. Although the focus of the THz Interest Group in 802.15 has been the frequency range beyond 275 GHz, in this project the frequency range will be kept open to other bands such as the consideration of 60 GHz and FSO. The recommendation of the study group may be to start a completely new standard or may be an amendment to an existing standard, e. g. 802.15.3c.

(WG vote: 44/0/0)

Submission   Slide 23   Bob Heile, ZigBee Alliance

doc.: IEEE 802.15-13-0474-00-0000

Motion

802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Beam switchable wireless point-to-point 40/100 Gbps links (BSL)

Moved: Pat Kinney
Second: James Gilb

Submission   Slide 24   Bob Heile, ZigBee Alliance

* Motion #27	802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Beam switchable wireless point-to-point 40/100 Gbps links (GbW) .
Moved	Kinney
Second	Gilb
Results	13-0-0
Motion	Passes
Reference	Agenda Item #6.113

7.00		**LMSC Liaisons and External Interface**			**05:24 PM**
7.01		**IEEE 802.16**	**Marks**		**05:24 PM**
7.011	**ME***	To approve IEEE 802.18-13-0088-02, subject to editorial finalization, per OM 8.2.2 (Lynch)	**Marks**	**0**	**05:24 PM**

Approved with approval of agenda.

7.012	**ME***	To approve the release of IEEE 802.16.13-0147-03, subject to editorial finalization	**Marks**	**0**	**05:24 PM**

Approved with approval of agenda.

7.02		**IEEE 802.18**	**Lynch**		**05:24 PM**
7.021	**ME***	To approve IEEE 802.18-13-0089-03, subject to editorial finalization, per OM 8.2.2 (Lynch).	**Lynch**	**0**	**05:24 PM**

Approved with approval of agenda.

7.022	**ME***	To approve IEEE 802.18-13-0087-04, subject to editorial finalization, per OM 8.2.2 (Lynch).	**Lynch**	**0**	**05:24 PM**

Approved with approval of agenda.

7.023	**ME***	To approve IEEE 802.18-13-0090-01, subject to editorial finalization, per OM 8.2.2 (Lynch).	**Lynch**	**0**	**05:24 PM**

Approved with approval of agenda.

7.03	-	IEEE 802.19				Shellhammer	-	05:24 PM
7.04		IEEE 802.21				Das	-	05:24 PM
7.05		IEEE 802.22				Mody	-	05:24 PM
7.06		IEEE 802.24				Gilb	-	05:24 PM
7.06		IEEE 802.1				Jeffree		05:24 PM
7.061		Forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.				Jeffree	5	05:24 PM

Jeffree presented following slide:

MOTION

- 802.1 requests EC approval to forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.
- Proposed: Seaman Second: Parsons
- For__24__Against_0__Abstain__2__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

* Motion #28	802.1 requests EC approval to forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.
Moved	Jeffree
Second	Thaler
Results	12-0-0
Motion	Passes
Reference	Agenda Item #7.061

7.062		Liaison to SG15 of ITU-T and MEF regarding ITU-T OLS 04	**Jeffree**	5	**05:29 PM**

Information purposes.

7.07		**IEEE 802.3**	**Law**		**05:29 PM**
7.071	**II***	Liaison letter to ISO/IEC JTC1 SC6 China NB Comment on IEEE Std 802.3-2012 pre-ballot	**Law**	**0**	**05:29 PM**

Approved with approval of agenda.

7.072	**II***	Liaison reply to ISO/IEC JTC1 SC25 WG3 regarding technical report for 40 Gbit/s cabling systems	**Law**	**0**	**05:29 PM**

Approved with approval of agenda.

7.073	ME	IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release	**Law**	5	**05:29 PM**

Law gave verbal overview.

* Motion #29	The IEEE 802 Executive Committee supports the IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release IEEE-SA_Press_Release_1-pair_PoDL_Study_Group_17JUL13_D6.pdf, with editorial license granted to the Chair.
Moved	Law
Second	D'Ambrosia
Results	14-0-0
Motion	Passes
Reference	Agenda Item #7.073

7.08		**IEEE 802.11**	**Kraemer**		**05:34 PM**
7.081	**II***	IEEE 802.11 Liaison to WFA, requesting feedback on High Efficiency WLAN (HEW) usage scenarios (11-13/902r1)	**Kraemer**	**0**	**05:34 PM**

Approved with approval of agenda.

~~7.09~~	~~-~~	~~IEEE 802.15~~	~~Heile~~	~~-~~	~~05:34 PM~~
					05:34 PM
8.00		**IEEE SA items**			05:34 PM
					05:34 PM
9.00		**Information Items**			05:34 PM
~~9.01~~	~~II~~	~~JTC1 ad-hoc report~~	~~Myles~~	~~0~~	~~05:34 PM~~
9.02	II	**Regulatory report**	**Lynch**	5	**05:34 PM**

Lynch gave verbal report. IEEE 802 Chair has a filing on 900 MHz

5MHZ document has to be submitted by next Wednesday.

9.03	II	**Executive secretary report**	**Rosdahl**	5	**05:39 PM**

John yielded his time.

9.04	II	~~Recording Secretary Report~~	~~D'Ambrosia~~	~~0~~	~~05:44 PM~~
9.05	II	**802 Marketing Efforts Report**	**D'Ambrosia**	**5**	**05:44 PM**

D'Ambrosia gave verbal update.

For campaign in 2014 "802 Suite of Standards," D'Ambrosia asked WG Chairs to forward him names of respective marketing alliances supporting their respective groups, key contacts that could be leveraged for generating content (video, interviews, articles), and any key dates in 2014 for their respective working groups.

Reference #9.05   Action Item – WG Chairs forward D'Ambrosia names respective marketing alliances supporting their respective groups, key contacts that could be leveraged for generating content (video, interviews, articles), and any key dates in 2014 for their respective working groups.

9.06	II*	**Appeals report -No items to report**	**D'Ambrosia**	**0**	**05:49 PM**

Approved with approval of agenda.

9.07	II	**Network Services report**	**Alfvin**	**5**	**05:49 PM**

Alfvin gave a verbal update of the networking issues experienced this week.

9.08	II*	**Announcement of 802 EC Interim Telecon, 1 Oct 2013 1-3pm ET (EC-13/33)**	**Rosdahl**	**0**	**05:54 PM**

Approved with approval of agenda.

9.09	II*	**Call for Tutorials for Nov 2013 Plenary (Tuesday, Nov 12) (EC-13/33)**	**Rosdahl**	**0**	**05:54 PM**

Approved with approval of agenda.

Chair gave Karen Bartelson opportunity to provide feedback on her week of observing IEEE 802 and her discussions. The IEEE SA survey of SA members was discussed, Bartleson will make the survey results available to IEEE 802.

Reference #9.09   Action Item – Bartelson to make survey results available to IEEE 802.

10.00		**ADJOURN SEC MEETING**	**Nikolich**		**06:00 PM**

Meeting adjourned at approximately 6:00pm.

Summary – Action Items

Reference #4.002   Action Item – Gilb send out update to CSD to allow consideration for approval in November.

Reference #4.01   Action Item – Gilb Get extension pre-submitted for RevCom consideration. @ Oct 21 for December meeting.

Reference #4.05   Action Item – Nikolich assign "Recorder" for November 2013 EC Workshop

Reference #4.05   Action Item – Stephens draft agenda for Nov 2013 EC workshop due NLT the 01OCT EC telecon.

Reference #4.06   Action – D'Ambrosia to develop budget for 40th Anniversary F&B and Metcalfe video. Electronic ballot will be initiated.

Reference 5.091   Action – Kinney – Communicate to 802.15 from EC the observed need for improved communications / co-ordination with other 802 working groups.

Reference #9.05   Action Item – WG Chairs forward D'Ambrosia names respective marketing alliances supporting their respective groups, key contacts that could be leveraged for generating content (video, interviews, articles), and any key dates in 2014 for their respective working groups.

Reference #9.09   Action Item – Bartelson to make survey results available to IEEE 802.

Summary – Motions (July 19, 2013)

IEEE 802 LMSC Exec Committee Opening Meeting
Friday, July 19, 2013
Geneva, Switzerland

* Motion #1	Move to approve modified agenda
Moved	D'Ambrosia
Second	Jeffree
Results	14-0-0
Motion	Passes
Reference	Agenda Item #2.00

* Motion #2	The EC approves the changes described in document ec-13-0032-030, to the IEEE 802 LMSC Operations Manual
Moved	Gilb
Second	Marks
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.002

* Motion #3	Delete "and Meeting Manager Member Emeritus" from 2.16.6 "Executive Secretary Responsibilities", item 2) a) in the IEEE 802 LMSC Chair's guidelines with editorial changes allowed.
Moved	Gilb
Second	Rosdahl
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.002

* Motion #4	Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000. The purpose of the trip includes: The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures. Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.
Moved	Rosdahl
Second	Shellhammer
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.02

* Motion #5	Move to approve a Site inspection trip for no more than 4 people with an overall budget expenses expected less than $25,000. The purpose of the trip includes: The site inspection would include all the meeting space, meeting room layouts, network capabilities, AV/power requirements, F&B specifications, security, staffing coordination, shipment arrangements and any other session considerations, including pricing and billing procedures. Standard Travel expenses (e.g. Coach Class Air travel, local transport, food and lodging) would be reimbursed.
Moved	Rosdahl
Second	Shellhammer
Results	14-0-0
Motion	Passes
Reference	Agenda Item #4.02

* Motion #6	Motion to approve Plenary Venue location: 2016 March – Sands Venetian Macau Hotel & Conference Center, Macau, PRC
Moved	Rosdahl
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #4.02

* Motion #7	Motion to approve the Memorandum of Understanding to complete the Macau Contract negotiations with an expenditure not to exceed $7500.
Moved	Rosdahl
Second	Shellhammer
Results	13-0-1
Motion	Passes
Reference	Agenda Item #4.02

* Motion #8	Move to conduct an 802 Workshop on Nov. 16, 2013 in Dallas. Workshop Leader to be Adrian Stephens. (Agenda to be finalized at the Oct telecon)
Moved	Rosdahl
Second	D'Ambrosia
Results	11-0-2
Motion	Passes
Reference	Agenda Item #4.05

* Motion #9	Move to approve forwarding the IEEE P802.19.1 PAR extension request to NesCom
Moved	Shellhammer
Second	Das
Results	12-0-0
Motion	passes
Reference	Agenda Item #5.031

* Motion #10	To grant conditional approval, under Clause 12, to forward P802.21c Draft to Sponsor Ballot
Moved	Das
Second	Shellhammer
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.041

* Motion #11	802.1 requests EC approval to forward the P802.1Qcc "Stream Reservation Protocol (SRP) Enhancements and Performance Improvements" PAR to NESCOM
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.061

* Motion #12	802.1 requests EC approval to forward the P802.1Qcd Application VLAN ID TLV PAR to NESCOM
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.062

* Motion #13	802.1 requests EC approval to submit 802.1Qbp to Sponsor Ballot.
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.063

* Motion #14	802.1 requests EC approval for forwarding P802.1AS-Cor1 to RevCom.
Moved	Jeffree
Second	Thaler
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.064

* Motion #15	The IEEE 802 Executive Committee grants approval of the submit IEEE P802.3bk Extended Ethernet Passive Optical Networks (EPON) to RevCom
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.071

* Motion #16	Request NesCom to approve a 1-year extension of the P802.11af (TVWS) PAR.
Moved	Kraemer
Second	Rosdahl
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.081

* Motion #17	Grant conditional approval to forward P802.11af to sponsor ballot.
Moved	Kraemer
Second	Rosdahl
Results	13-0-0
Motion	passes
Reference	Agenda Item #5.082

* Motion #18	The 802.15 WG requests that the 802 EC authorize forwarding the revised 802.15.10 PAR (13-0231-04) as amended to change "define a protocol" to "identify protocols" to NesCom. (WG Vote: 45/0/1)
Moved	Kinney
Second	Gilb
Results	7-5-1
Motion	Motion Passes
Reference	Agenda Item #5.091

* Motion #19	*The 802.15 WG requests that the 802 EC authorize forwarding the 802.15.4 Revision PAR, document 15-13-0428-01, to NesCom. (WG vote: 53/0/0)*
Moved	Kinney
Second	Gilb
Results	10-1-2
Motion	Passes
Reference	Agenda Item #5.092

* Motion #20	Motion: *802.15 requests the EC grant unconditional approval to submit 802.15.4m draft to Sponsor Ballot* (WG vote 48/0/1)
Moved	Kinney
Second	Chaplin
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.093

* Motion #21	IEEE 802.15 requests unconditional approval from the EC to submit D2P802-15-4p_draft _standard.pdf to Sponsor Ballot (WG vote 54/0/0)
Moved	Kinney
Second	Chaplin
Results	13-0-0
Motion	Passes
Reference	Agenda Item #5.094

* Motion #22	Approve the extension of the OmniRAN EC SG until the end of the Nov '13 meeting.
Moved	Jeffree
Second	Mody
Results	13-0-1
Motion	Passes
Reference	Agenda Item #6.071

* Motion #23	The IEEE 802 Executive Committee grants an extension to the IEEE 802.3 Distinguished Minimum Latency Traffic Study Group
Moved	Law
Second	D'Ambrosia
Results	13-0-0
Motion	Passes
Reference	Agenda Item #6.091

* Motion #24	The IEEE 802 Executive Committee grants approval for the formation of the IEEE 802.3 1-Pair Power over Data Link (PoDL) Study Group formation within IEEE 802.3
Moved	Law
Second	D'Ambrosia
Results	12-0-0
Motion	Passes
Reference	Agenda Item #6.094

* Motion #25	802.15 requests the EC renew the L2R SG for another cycle (WG Vote: 33/0/1:)
Moved	Kinney
Second	Shellhammer
Results	12-0-0
Motion	Passes
Reference	Agenda Item #6.111

* Motion #26	802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Spectrum Resource Utilization (SRU) through Radio Resource Measurement and Management for WPANs
Moved	Kinney
Second	Gilb
Results	12-0-0
Motion	Passes
Reference	Agenda Item #6.112

* Motion #27	802.15 requests the EC approve the formation of a Study Group to develop a PAR and 5C addressing Beam switchable wireless point-to-point 40/100 Gbps links (GbW) .
Moved	Kinney
Second	Gilb
Results	13-0-0
Motion	Passes
Reference	Agenda Item #6.113

* Motion #28	802.1 requests EC approval to forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.
Moved	Jeffree
Second	Thaler
Results	12-0-0
Motion	Passes
Reference	Agenda Item #7.061

* Motion #29	The IEEE 802 Executive Committee supports the IEEE 802.3 Power Over Data Link (PoDL) Study Group formation press release IEEE-SA_Press_Release_1-pair_PoDL_Study_Group_17JUL13_D6.pdf, with editorial license granted to the Chair.
Moved	Law
Second	D'Ambrosia
Results	14-0-0
Motion	Passes
Reference	Agenda Item #7.073