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

Friday, July 20, 2012 – 1:00 p.m.
All times Pacific Daylight Time (PDT)

San Diego, CA

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
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
Bob Heile – Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks – Chair, IEEE 802.16 – Broadband Wireless Access Working Group
Mike Lynch – Chair, IEEE 802.18 – Regulatory TAG
Steve Shellhammer – Chair, IEEE 802.19 – Wireless Coexistence Working Group
Subir Das – Chair, IEEE 802.21 – Media Independent Handover Working Group
Apurva Mody – Chair, IEEE 802.22 – Wireless RANs Working Group

Nonvoting EC members present:
Buzz Rigsbee – Meeting Planner, Member Emeritus (nonvoting)
Geoff Thompson – Member Emeritus (nonvoting)

EC members absent:

Nonvoting EC members absent:
John Lemon – Chair, IEEE 802.17 (hibernating) – Resilient Packet Ring Working Group
Canchi Radhakrishna – Chair, IEEE 802.20 (hibernating) – Mobile Broadband Wireless Access 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	01:00 PM

Meeting called to Order at 1pm

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

Updated to Agenda Version 4

Motion#1:	Move to approve agenda (ec-12-0025-04-00EC-July-2012-closing-agenda.ods)
Moved	Law
Second	Chaplin
Results	(y/n/a) 12 / 0 / 1
Motion	Passes

		DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING			
v04					
		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	10	01:01 PM
					01:11 PM
3.00	II	**Announcements from the Chair**	Nikolich	5	01:11 PM
3.01	MI*	**WG Officer Confirmation (802.18 Vice Chair, John Notor, 802.19 Vice Chair, Ivan Reede)***	Nikolich	0	01:16 PM
					01:16 PM
4.00		**LMSC Internal business**			01:16 PM
4.01	DT	**802 Overview and Architecture report**	Gilb	3	01:16 PM
4.02	II*	**IEEE 802 EC Interim Teleconference, 9, October 2012- 1300-1500 Eastern Daylight Time***	Rosdahl	0	01:19 PM
4.03	MI	**Treasurer's report**	Chaplin	5	01:19 PM
4.04	MI	**OM Approval**	Gilb	10	01:24 PM
4.05	II	**Update - 802 Principles for Industry Connections**	D'Ambrosia	5	01:34 PM
4.06	MI	**Future Venues**	Rosdahl	10	01:39 PM
4.07	MI	**Sponsor Solicitation**	Rosdahl	5	01:49 PM
4.08	MI	**2012 Nov EC Workshop**	Rosdahl	5	01:54 PM
					01:59 PM
5.00		**IEEE Standards Board and Sponsor Ballot Items**			01:59 PM
5.01	ME	**802.3bn , amendment for EPON Protocol over Coax Networks, forward to NesCom**	Law	5	01:59 PM
5.02	ME	**802.3bm, amendment for 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables, forward to NesCom**	Law	5	02:04 PM
5.03	ME	**IEEE P802.3 (IEEE 802.3bh) Ethernet Revision (conditional), to RevCom**	Law	5	02:09 PM
5.04					02:14 PM
5.05	ME	**802.11aj, amendment for Enhancements for Very High Throughput to support one or more of the Chinese 40-50 GHz and 59-64 GHz frequency bands, forward to NesCom**	Kraemer	5	02:14 PM
5.06	ME	**802.11ac PAR extension - 2yr extension**	Kraemer	5	02:19 PM
5.07	ME	**Revision PAR: revision project for 802.11 to continue integrating completed amendments into 802.11-2012.**	Kraemer	5	02:24 PM
5.08	ME	**802.11ad, amendment, VHT Task Group to RevCom (conditional)**	Kraemer	5	02:29 PM
5.09	ME	**802.16.3, new standards for mobile broadband network performance measurements, forward to NesCom**	Marks	5	02:34 PM
5.10	ME	**802.16q, amendment for multi-tier networks, forward to NesCom**	Marks	5	02:39 PM
5.11	ME	**802.16p, Forward to RevCom (conditional)**	Marks	5	02:44 PM
5.12	ME	**802.16.1b, Forward to RevCom (conditional)**	Marks	5	02:49 PM
5.13	ME	**802.16n, Forward to Sponsor Ballot (conditional)**	Marks	5	02:54 PM
5.14	ME	**802.16.1a, Forward to Sponsor Ballot (conditional)**	Marks	5	02:59 PM
5.15					03:04 PM
					03:04 PM
6.00		**Executive Committee Study Groups, Working Groups, TAGs**			03:04 PM
6.01	MI	**IEEE 802.3 Next Gen 40 and 100 Gb/s Optical Ethernet Study Group (3rd extension)**	Law	5	03:04 PM

6.02	MI	IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (2nd extension)	Law	5	03:09 PM
6.03	MI*	IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group (1st extension)*	Law	0	03:14 PM
6.04	MI	IEEE 802.3, Next Generation BASE-T (new SG)	Law	5	03:14 PM
6.05	ME	IEEE 802.3 Ethernet Bandwidth Assesment (BWA) Industry Connection Activity, Motion to terminate	Law / D'Ambrosia	5	03:19 PM
6.06	ME	IEEE 802.3, Higher Speed Ethernet Consensus Industry Connections Activity, ICAID Endorsement	Law / D'Ambrosia	5	03:24 PM
6.07	MI	802.11, China millimeter Wave SG (2rd extension)	Kraemer	5	03:29 PM
6.08	MI	802.11, Infrastructure Service Discovery Group SG (2nd Extension)	Kraemer	5	03:34 PM
6.09	MI	802.11, General Link Study Group (new SG)	Kraemer	5	03:39 PM
6.10	MI*	IEEE 802.16, Broadband Wireless Access Metrology (1st Extension)	Marks	0	03:44 PM
6.11	MI*	802.16, WirelessMAN radio interface in Heterogeneous Networks (1st Extension)	Marks	0	03:44 PM
6.12	MI	IEEE 802.22.1-2010, Formation of Advanced Beaconing Study Group (new SG)	Mody	5	03:44 PM
6.13	MI	Smart Grid EC Study Group Report and TAG motion	Gilb	10	03:49 PM
6.14	MI	IEEE 802.1, Formation of study group for 802.11 Bridging Support	Jeffree	5	03:59 PM
6.15	ME	IEEE 802.1, P802.1Q/Cor-2 to RevCom (Conditional)	Jeffree	5	04:04 PM
6.16	ME	IEEE 802.1, P802.1AC to RevCom (Unconditional)	Jeffree	5	04:09 PM
6.17	ME	IEEE 802.1, P802.1AEbw to Sponsor Ballot (Unconditional)	Jeffree	5	04:14 PM
6.18	ME	IEEE 802.1, P802 O&A to Sponsor ballot (Conditional)	Jeffree	5	04:19 PM
6.19	ME	IEEE 802.1, P802.1Q Revision PAR to NesCom	Jeffree	5	04:24 PM
6.20	ME	IEEE 802.1, P802.1AB Corrigendum 1 PAR to NesCom	Jeffree	5	04:29 PM
6.21	ME	IEEE 802.1, Withdraw the P802.1AXbq PAR	Jeffree	5	04:34 PM
					04:39 PM
7.00		**LMSC Liaisons and External Interface**			04:39 PM
7.01	MI	Press Release - Formation of IEEE 802.3 Next Generation BASE-T Study Group	Law	5	04:39 PM
7.02	MI	Press Release - Publication of IEEE Std 802.3-2012 Revision	Law	5	04:44 PM
7.03	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15: Response to OTNT Standardization Work Plan letter	Law	0	04:49 PM
7.04	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15: ANT Standardization Work Plan letter	Law	0	04:49 PM
7.05	II*	IEEE 802.3, Liaison letter to IEC SC 46C: Response to generic specification for Twinax cables liaison letter	Law	0	04:49 PM
7.06	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15:Completion of IEEE 802.3 Industry Connections Ethernet Bandwidth Assessment	Law	0	04:49 PM
7.07	ME*	Approval of IEEE 802/IEEE-SA International Program Communications Plan	Law	0	04:49 PM
7.08	ME	Global Standards Co-operation	Mills / Law	5	04:49 PM
7.09	MI*	Press Release - IEEE 802.11aa and 802.11ae	Kraemer	0	04:54 PM
7.10	ME	Confirm Bruce Kraemer as Head of Delegation to the ISO/IEC JTC1/SC6 meeting in Graz, Austria in Sept 2012	Kraemer	5	04:54 PM
7.11	ME	Liaison documents for ISO/IEC JTC1/SC6 meeting in Graz, Austria in Sept 2012	Kraemer	5	04:59 PM
7.12	II	Liaison to IETF related to TRILL (MESH Protocol) and IANA	Kraemer	2	05:04 PM
7.13	ME*	FCC Public Notice - 902 - 928 MHZ, IEEE 802 Response, (Doc 18-12-0071-01)	Lynch	0	05:06 PM
7.14	ME*	To approve IEEE 802.18-12-0068-03 under OM Subclause 8.2.1	Lynch / Marks	0	05:06 PM
7.15	ME*	To approve IEEE 802.18-12-0070-02 under OM Subclause 8.2.1	Lynch / Marks	0	05:06 PM

7.16	II	Status Update on Joint IEEE 802 / IETF Leadership Meeting	Thaler	5	05:06 PM
7.17	MI	Corporate membership of the IEEE-SA for 802	Jeffree	5	05:11 PM
					05:16 PM
8.00		**IEEE SA items**			05:16 PM
8.01	II	Electronic Tools	Boyce	5	05:16 PM
					05:21 PM
9.00		**Information Items**			05:21 PM
9.01	II	JTC1 ad-hoc report	Myles	5	05:21 PM
9.02	II	Regulatory report	Lynch	1	05:26 PM
9.03	II	Executive secretary report	Rosdahl	5	05:27 PM
9.04	II*	Appeals report - no appeals	D'Ambrosia	0	05:32 PM
9.05	II	Network Services report	Alfvin	5	05:32 PM
9.06	II	President' s Council of Advisors on Science and Technology - Update on Government Held Spectrum	Mody	2	05:37 PM
9.07	II	University Outreach Update	Law	2	05:39 PM
9.08	II	ITU-T T&R Liaison Implementation Plan	Haasz	2	05:41 PM
9.09	II	Liaison response to the ITU liaison ols 358	Jeffree	3	05:43 PM
9.10	II	Liaison response to the ITU liaison ols 378	Jeffree	3	05:46 PM
9.11	II		Kraemer	3	05:49 PM
9.12	II		Kraemer	3	05:52 PM
					05:55 PM
10.00		ADJOURN SEC MEETING	Nikolich		6:00pm

3.00	II	Announcements from the Chair	Nikolich	5	01:11 PM

Verbal announcements by chair regarding closing meeting

3.01	MI*	WG Officer Confirmation (802.18 Vice Chair, John Notor, 802.19 Vice Chair, Ivan Reede)*	Nikolich	0	01:16 PM

Approved with the approval of the agenda.

4.00		**LMSC Internal business**			01:16 PM

4.01	DT	802 Overview and Architecture report	Gilb	3	01:16 PM

Gilb provided verbal update. Conditional approval to be requested.

4.02	II*	IEEE 802 EC Interim Teleconference, 9, October 2012- 1300-1500 Eastern Daylight Time*	Rosdahl	0	01:19 PM

Approved with the approval of the agenda.

Treasurer's Report

2012-07-20

2012 T1 Overview

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Meeting Surplus/Loss         ($80,837.00)
Other Income                   $1,257.90
Other Expenses                ($6,953.92)
                             ------------
Net Change                   ($86,553.02)

Reserve                       $925,781.51
Petty Cash                      $2,000.00
Singapore Deposit          SGD 215,336.82
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2012 T1 Meeting Waikoloa Income

IEEE Project 802										
Statement of Operations										
March 2012 Plenary Session										
Waikoloa										
As of 05 July 2012										
			Actual			**Budget**			Var	Var %
Income	Fee	Net	Net Amt	%	Net	Net Amt	%		
Pre-registration	$ 800	1	$ 800	0%	27	$21,600	4%	($20,800)	-96%
Pre-registration (with discount)	$ 500	450	$ 225,000	61%	494	$247,000	65%	($22,000)	-9%
Pre-Registration Early Cancellation	$ (800)	0	$ -	0%			0%		
Pre-Registration Early Cancellation (with discount)	$ (500)	-8	$ (4,000)	-1%			0%		
Pre-Registration Late Cancellation	$ (700)	0	$ -	0%			0%		
Pre-Registration Late Cancellation (with discount)	$ (400)	-11	$ (4,400)	-1%			0%		
Pre-Registration no-show	$ -	-4	$ -	0%			0%		
Web-registration	$ 900	10	$ 9,000	2%	24	$21,600	3%	($12,600)	-58%
Web-registration (with discount)	$ 600	185	$ 111,000	30%	150	$90,000	20%	$21,000	23%
Web-registration Cancellation	$ (800)	0	$ -	0%			0%		
Web-registration Cancellation (with discount)	$ (500)	-4	$ (2,000)	-1%			0%		
Web-registration no-show	$ -	-2	$ -	0%			0%		
Onsite-registration	$ 1,000	2	$ 2,000	1%	24	$24,000	3%	($22,000)	-92%
Onsite-registration (with discount)	$ 700	48	$ 33,600	9%	42	$29,400	6%	$4,200	14%
Student-registration	$ 100		$ -	0%	0	$0	0%	$0	
Net Registration Income	$ 570	667	$ 371,000	86%	761	$433,600	90%	($62,600)	-14%
Non-registration Income									
Deadbeat collections			$ -	0%			0%	$0	
Comps, Commissions & Discounts			$ 59,897	14%		$ 50,000	0%	$9,897	20%
Other			$ -	0%		$ -	0%	$0	
Total Session Income			$ 430,897	14%		$ 483,600	10%	($52,703)	-11%

2012 T1 Meeting Waikoloa Expense

IEEE Project 802							
Statement of Operations							
March 2012 Plenary Session							
Waikoloa							
As of 05 July 2012							
Expenses		**Actual**			**Budget**		Var	Var %
Audio Visual		$ 25,975	5%	$ 20,000	4%	$5,975	30%
Bank Charges			0%	$ 300	0%	($300)	-100%
Credit Card Discounts & Fees		$ 19,199	4%	$ 21,680	4%	($2,481)	-11%
Equipment Expenses			0%	$ 2,000	0%	($2,000)	-100%
Get IEEE 802 Contribution (Net paid attendees * $75.00)		$ 50,025	10%	$ 57,075	10%	($7,050)	-12%
Infrastructure			0%	$ 7,000	1%	($7,000)	-100%
Copier			0%		0%	$0	
Electrical		$ 7,806	2%	$ 4,000	1%	$3,806	95%
Phone			0%	$ 500	0%	($500)	-100%
Reg Counters			0%	$ 2,500	0%	($2,500)	-100%
Meeting Administration		$ 69,922	14%	$ 76,870	14%	($6,948)	-9%
Misc Meeting Expenses		$ 1,516	0%	$ 7,700	1%	($6,184)	-80%
Audit			0%	$ -	0%	$0	
Copying			0%	$ 1,000	0%	($1,000)	-100%
Hotel Grats		$ 1,200	0%	$ 1,500	0%	($300)	-20%
Insurance			0%		0%	$0	
Other: Keys, Wireless interim proj.		$ 316	0%	$ 4,800	1%	($4,484)	-93%
Supplies			0%	$ 400	0%	($400)	-100%
Networking		$ 80,918	16%	$ 86,600	16%	($5,682)	-7%
Shipping		$ 17,532	3%	$ 20,000	4%	($2,468)	-12%
Site Survey		$ 6,419	1%	$ -	0%	$6,419	
Social		$ 53,977	11%	$ 87,515	16%	($33,538)	-38%
Food & Beverage		$ 89,452	17%	$ 95,125	17%	($5,674)	-6%
Lunches		$ 96,799	19%	$ 76,100	14%	$20,699	27%
Total Session Expense		$ 511,734	100%	$ 557,965	100%	($46,231)	-8%
Net Session Surplus/(Loss)		$ (80,837)		$ (74,365)			
Lunch Subsidy		$ (66,700)		$ (76,100)			

2012 T1 Other Income

Interest $1,257.90

2012 T1 Other Expenses

Cash Deposited Fee Reversal $40.00
802 January Interim LCDs   ($4,800.00)
Checks for WFB Checking   ($109.42)
J. Carlo: Flowers, donation   ($367.42)
D. Loughry: Flowers, donation   ($374.47)
M. Sherman, B. Grow: Gifts   ($342.61)
University Outreach Setup   ($1,000.00)

Total   ($6,953.92)

2012 T2 Overview
Estimate

Meeting Surplus/Loss	$542.50
Other Income	$1,250.00
Other Expenses	($9,047.50)

Net Change	($7,255.00)

2012 T2 Meeting San Diego
Income Estimate

IEEE Project 802									
Meeting Budget									
July 2012 Plenary Session									
San Diego									
As of 20 July 2012									
			Estimate			**Budget**		**Var**	**Var %**
Income	**Fee**	**Net**	**Net Amt**	**%**	**Net**	**Net Amt**	**%**		
Pre-registration	$ 700	16	$ 11,200	3%	10	$7,000	2%	$3,500	50%
Pre-registration (with discount)	$ 400	528	$211,200	55%	450	$180,000	69%	$31,600	18%
Pre-Registration Early Cancellation	$ (700)	0	$ -	0%			0%		
Pre-Registration Early Cancellation (with discount)	$ (400)	-4	$ (1,600)	0%			0%		
Pre-Registration Late Cancellation	$ (600)	0	$ -	0%			0%		
Pre-Registration Late Cancellation (with discount)	$ (300)	-12	$ (3,600)	-1%			0%		
Pre-Registration no-show	$ -	-1	$ -	0%			0%		
Web-registration	$ 800	30	$ 24,000	6%	10	$8,000	2%	$15,200	190%
Web-registration (with discount)	$ 500	208	$104,000	27%	150	$75,000	23%	$29,500	39%
Web-registration Cancellation	$ (700)	0	$ -	0%			0%		
Web-registration Cancellation (with discount)	$ (400)	0	$ -	0%			0%		
Web-registration no-show	$ -	-1	$ -	0%			0%		
Onsite-registration	$ 900	11	$ 9,900	3%	5	$4,500	1%	($900)	-20%
Onsite-registration (with discount)	$ 600	41	$ 24,600	6%	25	$15,000	4%	($2,400)	-16%
Student-registration	$ 100	5	$ 750	0%	0	$0	0%		
University Outreach	$ 25	11	$ 275	0%	0	$0	0%	$150	
Net Registration Income	$ 445	832	$380,725	86%	650	$289,500	83%	$71,450	25%
Non-registration Income									
Deadbeat collections			$ -	0%			0%	$0	
Comps, Commissions & Discounts			$ 62,370	14%		$ 60,000	17%	$2,370	4%
Other			$ -	0%		$ -	0%	$0	
Total Session Income			**$ 443,095**	**14%**		**$ 349,500**	**17%**	**$73,820**	**21%**

2012 T2 Meeting San Diego Expense Estimate

		Estimate			Budget		Var	Var %
IEEE Project 802								
Meeting Budget								
July 2012 Plenary Session								
San Diego								
As of 20 July 2012								
Expenses		**Estimate**			**Budget**		**Var**	**Var %**
Audio Visual		$ 22,000	5%	$	20,000	6%	$2,500	13%
Credit Card Discounts & Fees		$ 20,003	5%	$	14,475	4%	$4,573	32%
Equipment Expenses			0%	$	-	0%	$0	#DIV/0!
Get IEEE 802 Conttribution (Net paid attendees * $75.00)		$ 61,800	14%	$	48,750	14%	$10,950	22%
Infrastructure		$ 3,550	1%	$	3,850	1%	($350)	-9%
Copier		$ -	0%			0%	$0	
Electrical		$ 1,050	0%	$	1,500	0%	($500)	-33%
Phone		$ -	0%	$	350	0%	($350)	-100%
Reg Counters		$ 2,500	1%	$	2,000	1%	$500	25%
Meeting Administration		$ 80,000	18%	$	62,000	17%	$15,000	24%
Misc Meeting Expenses		$ 2,700	1%	$	1,900	1%	$500	26%
Audit		$ -	0%	$	-	0%	$0	
Copying		$ 200	0%	$	200	0%	$0	0%
Hotel Grats		$ 1,500	0%	$	1,200	0%	$0	0%
Insurance		$ -	0%			0%	$0	
Other: Keys		$ 500	0%	$	-	0%	$500	#DIV/0!
Supplies		$ 500	0%	$	500	0%	$0	0%
Networking		$ 91,500	21%	$	81,500	23%	$6,000	7%
Shipping		$ 11,500	3%	$	12,000	3%	($500)	-4%
Site Survey		$ -	0%	$	-	0%	$0	
Social		$ 66,500	15%	$	48,750	14%	$11,250	23%
Food & Beverage		$ 83,000	19%	$	67,000	19%	$13,000	19%
Lunches			0%	$	-	0%	$0	#DIV/0!
Total Session Expense		$ 442,553	100%	$	360,225	100%	$62,923	17%
Net Session Surplus/(Loss)		$ 543		$	(10,725)			

2012 T2 Other Income Estimate

Interest $1,250.00

2012 T2 Other Expenses
Estimate

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CPA Time (2011 reconstruction)($2,047.50)
Audit for 2011              ($6,000.00)
Other                       ($1,000.00)

Total                       ($9,047.50)
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Credit Card processing fees increasing. Chaplin looking at alternatives.

Motion #2	Move to authorize that John F. Hawkins and Bob Grow be removed as a signatories and Clint Chaplin be added as signatory for the 802 checking, saving, merchant and other accounts.	
Move	Chaplin	
Second	Rosdahl	
Results	(y/n/a)	13 / 0 / 0
Motion	Passes	

Motion #3	Move to authorize the officers of LMSC to execute any documents necessary to replace financial accounts if determined to be in the interest of IEEE 802 LMSC.	
Move	Chaplin	
Second	Rosdahl	
Results	(y/n/a)	14 / 0 / 0
Motion	Passes	

4.04	MI	OM Approval	Gilb	10	01:24 PM

Document   ec-12-0023-01

This document contains suggested change to the IEEE 802 Operations Manual

Rationale for change: Clean up text and clarify that in some instances, members other than the Sponsor Chair sign documents.

1. Introduction

The IEEE Project 802 (IEEE 802) LAN / MAN Standards Committee (LMSC) is the standards sponsor organization and focal point for IEEE Local and Metropolitan Area Network Standards Sponsor activities. It ~~shall be~~ is referred to throughout this document as IEEE 802 LMSC. The IEEE 802 LMSC Executive Committee (EC) acts on behalf of IEEE 802 LMSC as a sponsor as defined and required by IEEE Standards Association (SA) governance. The IEEE 802 LMSC EC is ~~shall be~~ referred to though out this document as the Sponsor. Unless otherwise stated, ~~wW~~hen a signature is required on behalf of the Sponsor, the Sponsor Chair provides that signature when authorized by the Sponsor.

Rationale for change: For some reason, the fact that the EC is the sponsor is stated multiple times, as well as stating how it will be referred to. All this is covered in Clause 1 and should be deleted from other locations:

3. IEEE 802 LMSC Organization

~~The IEEE 802 LMSC Executive Committee (EC) operates as a sponsor within the IEEE Standards Association and is normally referred to as the 'Sponsor' throughout this document. IEEE 802 LMSC~~ The Sponsor has reporting requirements to the Standards Activity Board of the IEEE Computer Society (see). IEEE 802 LMSC is governed by the Sponsor ~~IEEE 802 LMSC EC~~ and IEEE 802 LMSC rules are designed to minimize overlap and conflict between standards and to promote commonality and compatibility among the family of IEEE 802 LMSC standards. IEEE 802 LMSC standards and recommended practices are developed within a working group (WG) or technical advisory group (TAG) (see).

4. Subgroups Created by the Sponsor

4.1 The IEEE 802 LMSC EC

~~The IEEE 802 LMSC EC functions as the Sponsor and the Executive Committee of IEEE 802 LMSC. It shall be referred to throughout this document as the Sponsor.~~ Members of the Sponsor and other IEEE 802 LMSC officers should read the training material available through IEEE Standards Development Online.

Rationale for change: The P&P refers to the "Sponsor Chair" but we have "IEEE 802 LMSC Chair" here. Change all occurrences of Officers titles to match the P&P (e.g., 4.1.2.2, 2nd paragraph).

Formatted sidebar notes:
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- Deleted: ¶ The operation of the IEEE 802 LMSC is subject to regulations contained in a number of documents, including this Operations Manual (OM). The regulating documents are identified in the following list and are given in their order of precedence from highest to lowest. If any two documents in this list contain conflicting regulations, the conflict shall be resolved in favor of the document of higher precedence. Note that the IEEE 802 LMSC P&P references other precedence documents.¶ ¶ IEEE 802 LMSC Policies and Procedures (IEEE 802 LMSC P&P)¶ IEEE 802 LMSC Operations Manual (IEEE 802 LMSC OM)¶ Working Group/Technical Advisory Group Policies and Procedures (WG/TAG P&P)¶ IEEE 802 LMSC Chairs Guide¶ ¶ Robert's Rules of Order Newly Revised (latest edition) is the recommended guide for parliamentary procedures not covered in the documents identified above.
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Rationale for change: Change all references to "calendar days" to be "days" to be precise and match the usage in the P&P. Add the same footnote from the P&P to the OM on the first occurrence of "day".

Rationale for change: Referring to specific clause numbers in another document makes it difficult to keep up with changes in the document. Instead, refer to the subclause title, e.g., in 4.1.3, change it from:

(see subclause 6.3 of the IEEE 802 LMSC Policies and Procedures)

to be

(see the "Executive Session" subclause of the IEEE 802 LMSC Policies and Procedures)

Rationale for change: The members of the Sponsor includes non-voting members. It should refer to the number of voting members.

4.1.4 Revision of the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P

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

Revisions to these documents shall be submitted by a Sponsor member to the Sponsor no less than 30 day in advance of a Sponsor Vote to approve them. The Sponsor member proposing the revision may modify the proposed revision during the 30 days prior to a Sponsor Vote (in response to comments). Insufficient time to consider complex modifications is a valid reason to vote disapprove. A motion to revise these documents shall require a vote of approve by at least two thirds of all 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.

Rationale for change: The titles of 4.2.1.1 and 4.2.1.1.1 are unnecessary and don't have subsequent clauses of the same depth that follow. The clause is only two paragraphs total, so remove the titles.

4.2.1.1 *Core of Experts*

...

4.2.1.1.1 Inquiries/Interpretations

...

—Page Break—

Common Abbreviations

The following abbreviations are commonly used throughout this OM.

EC	IEEE 802 LMSC Executive Committee
ECSG	Executive Committee Study Group
IEEE	Institute of Electrical and Electronics Engineers
IEEE 802 LMSC	IEEE Project 802 LAN/MAN Standards Committee
IEEE-SA	IEEE Standards Association
LAN	local area network
LMSC	LAN/MAN Standards Committee
MAN	metropolitan area network
PAR	project authorization request
P&P	policies and procedures
SG	study group
TAG	technical advisory group
WG	working group
WGSG	Working Group Study Group

IEEE 802 LMSC Organization

The IEEE 802 LMSC has grown significantly from the original IEEE Project 802 that was its origin, but because of its roots and the family of standards it has developed; it is also widely known as "IEEE 802". The terms "IEEE 802 LMSC" and "IEEE 802 LMSC Standards" will be used in this OM.

The IEEE 802 LMSC Executive Committee (EC) operates as a sponsor within the IEEE Standards Association and is normally referred to as the 'Sponsor' throughout this document. IEEE 802 LMSC has reporting requirements to the Standards Activity Board of the IEEE Computer Society (see Figure 1). IEEE 802 LMSC is governed by the IEEE 802 LMSC EC and IEEE 802 LMSC rules are designed to minimize overlap and conflict between standards and to promote commonality and compatibility among the family of IEEE 802 LMSC standards. IEEE 802 LMSC standards and recommended practices are developed within a working group (WG) or technical advisory group (TAG) (see Figure 2).

Further details of the organization and officers of the IEEE 802 LMSC are provided in Clause 4 of this document.
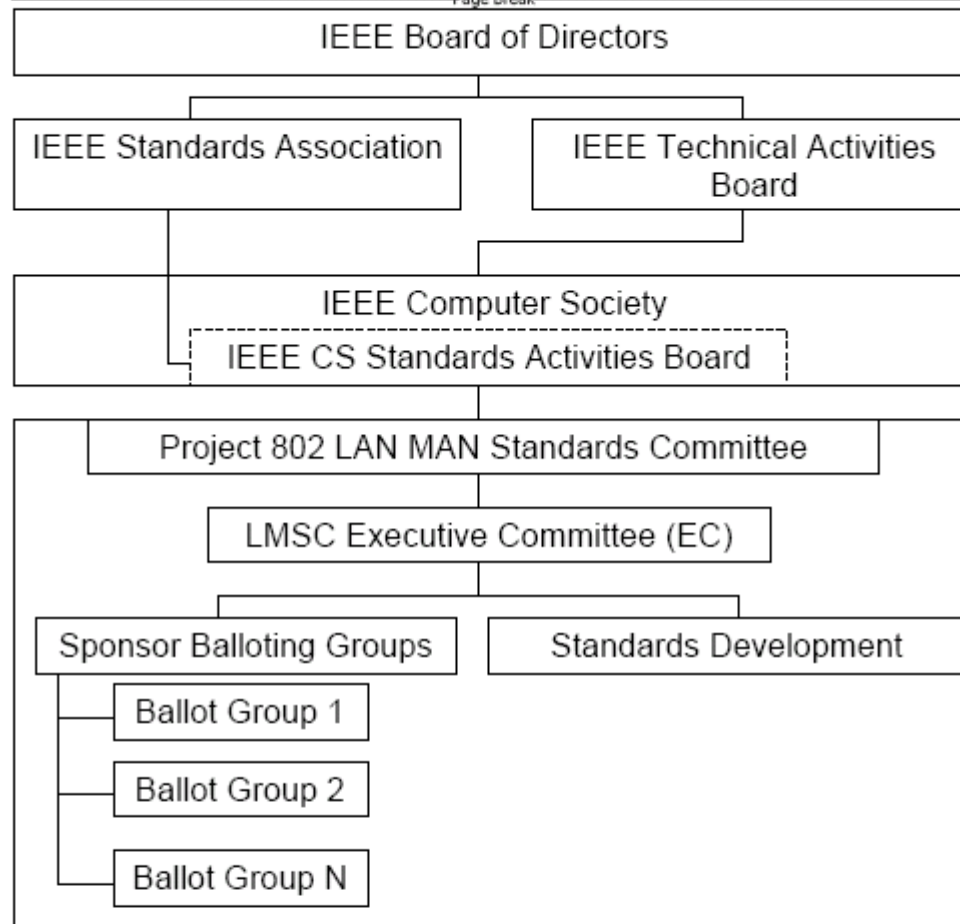
IEEE Board of Directors

IEEE Standards Association

IEEE Technical Activities Board

IEEE Computer Society

IEEE CS Standards Activities Board

Project 802 LAN MAN Standards Committee

LMSC Executive Committee (EC)

Sponsor Balloting Groups

Standards Development

Ballot Group 1

Ballot Group 2

Ballot Group N

Figure 1 IEEE 802 LMSC REPORTING RELATIONSHIPS

Executive Committee (EC)

| Working Group | Technical Advisory Group | Working Group | Working Group | Technical Advisory Group | EC Study Group |

Figure 2 STANDARDS DEVELOPMENT GROUPS

Subgroups Created by the Sponsor

The IEEE 802 LMSC EC

The IEEE 802 LMSC EC functions as the Sponsor and the Executive Committee of IEEE 802 LMSC. It shall be referred to throughout this document as the Sponsor. Members of the Sponsor and other IEEE 802 LMSC officers should read the training material available through IEEE Standards Development Online.

Function

The function of the Sponsor is to oversee the operation of IEEE 802 LMSC in the following ways:

a)   Charter SGs, WGs, and TAGs.
b)   Provide procedural and, if necessary, technical guidance to the WGs and TAGs as it relates to their charters.
c)   Oversee WG and TAG operations to ensure that it is within the scope of IEEE 802 LMSC, and its established charter.
d)   Examine and approve WG draft standards for Sponsor ballot and submission to RevCom, and for conformance with the approved PAR and Five Criteria documents.
e)   Consider complaints of WG and TAG.
g)   Approve press releases and other external communications.
h)   Manage IEEE 802 LMSC logistics, e.g., concurrent WG and TAG meetings, finances, etc.
i)   Oversee formation of Sponsor ballot groups and Sponsor ballot process.

Voting Rules

All EC approvals on motions to progress or establish a project or study group require explicit vote counts (Yes/No/Abstain) to be reported by the originating subgroup.

Voting at Meetings

Only members of the Sponsor with voting rights are counted in the approval rate calculation in determining the approval threshold for any Sponsor vote. Unless specified otherwise in the LMSC P&P or this OM, all Sponsor votes are in addition subject to the following provisions: The Chair may vote only if his vote can change the outcome. Votes on disciplinary matters concerning Sponsor members shall meet or exceed a 2/3 approval threshold. For other matters, votes shall meet the approval thresholds in Robert's Rules.

Electronic Balloting

At times, it may become necessary for the Sponsor to render a decision that cannot be made prior to the close of one plenary but must be made prior to the opening of the following plenary. Such decisions may be made using electronic balloting. Provision shall be made for the IEEE 802 LMSC membership to observe and comment on Sponsor electronic ballots. All comments from those who are not members of the Sponsor shall be considered. Commenters who are not members of the Sponsor are urged to seek a voting member of the Sponsor (normally their WG or TAG Chair) to include the viewpoint of the commenter in their vote.

The IEEE 802 LMSC Chair, or a Sponsor member designated by the Chair (usually a Vice Chair), shall determine the duration of the ballot, issue the ballot by e-mail and tally the votes after the ballot is closed. Sponsor voting members shall return their vote and comments by e-mail.

The minimum duration of an electronic ballot shall be 10 days. For urgent matters once sufficient response is received to clearly decide a matter, the Ballot may be closed early. This allows a decision to be reach in less than 10 days. Ballots where the possibility of an early close exists must be clearly marked accordingly. Otherwise, the tally of votes shall not be made until at least 24 hours after the close of the ballot to allow time for delivery of the e-mail votes.

The affirmative vote of a majority of all members of the Sponsor with voting rights is required for an electronic ballot to pass except when specified otherwise by the IEEE 802 LMSC P&P or this OM. If at the end of the ballot insufficient votes have been received to pass the ballot, the ballot fails. The motion and tally of any email votes since the last EC meeting shall be included in the minutes of the next EC meeting.

Meetings

Sponsor meetings are open to observers. However, some meetings may occur in Executive Session [see subclause 6.3 of the IEEE 802 LMSC Policies and Procedures]. An open discussion or acknowledgement of a request to participate in a particular discussion is determined by the Chair.

Procedure for Limiting the Length of the IEEE 802 Sponsor Meetings

The reports from the WGs and TAGs should deal primarily with issues related to IEEE 802 LMSC as a whole or inter-group coordination. Reports of those items that will be covered in the plenary meeting should be minimized.

The maker of the motion, after the motion has been seconded, has up to five minutes to explain the motion and to answer questions about it.

Each Sponsor member has two minutes of uninterrupted time to state an opinion about the motion. It is not necessary that all two minutes be used.

The opening Sponsor meeting shall start at 8:00 a.m. and end no later than 10:30 a.m. on Monday morning and the closing Sponsor meeting shall start at 1:00 p.m. and shall end no later than 6:00 p.m. on Friday of the plenary session.

If the Sponsor so modifies a WG's motion that the WG Chair believes the WG membership may no longer support the revised motion then the WG should be given the opportunity to reconsider what action it wishes to take and present it to the Sponsor at the next Sponsor meeting. This action can be accomplished by a Privileged Non-debatable "Request to Defer Action" made by the affected WG Chair which will automatically cause all action on the motion to be deferred until the next regular Sponsor meeting.

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Editorial discretion

In some circumstances minor revisions may be made to the IEEE 802 LMSC OM and IEEE 802 LMSC WG P&P without a revision ballot. These circumstances are

Basic layout/formatting that does not change the meaning of any of the text
Correction of spelling and punctuation
Error in implementing approved changes

All other revisions shall be balloted in accordance with the process defined in subclause 4.1.4. If any voting Sponsor member protests an editorial change of the OM within 30 days of its release (the date of notice on the Sponsor reflector constitutes the release date), that editorial change will be without effect.

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The chair of a hibernating WG shall maintain a list of experts that are available to answer questions and provide clarification about the standards and/or recommended practices generated by the WG.

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Inquiries and requests for interpretations concerning the standards and recommended practices of a hibernating WG shall be directed to the chair of the hibernating WG. The chair shall attempt to resolve the inquiry or interpretation using the core of experts, as necessary. If the chair is unable to resolve the inquiry or interpretation, the chair may petition the Sponsor to reactivate the WG.

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Study Groups

Study Group Operation

Progress of each Study Group shall be presented at the closing Sponsor meeting of each IEEE 802 LMSC plenary session by the appropriate WG, TAG, or ECSG Chair. Study Groups may elect officers other than the Chair, if necessary, and will follow the general operating procedures for WGs specified in the IEEE 802 LMSC WG P&P. Because of the limited time duration of a Study Group, no letter ballots are permitted.

Voting at Study Group Meetings

Any person attending a Study Group meeting may vote on all motions (including recommending approval of a PAR). A vote is carried by 75% of those present and voting "Approve" or "Disapprove."

IEEE 802 LMSC SESSIONS

There is no membership requirement for attendance at an IEEE 802 LMSC plenary session or an interim session of an IEEE 802 LMSC subgroup; they are open forums. However, anyone who attends any portion of a technical meeting that is part of an IEEE 802 LMSC plenary session or an interim session of an IEEE 802 LMSC subgroup is obligated to comply with the registration requirements for the session.

For the purposes of this OM, a "technical meeting" is defined as, but is not limited to, any meeting of a IEEE 802 LMSC WG, TAG, ECSG, any of their subgroups, or any call for interest at an IEEE 802 LMSC session.

Plenary Sessions

Plenary sessions are the primary LMSC sessions. All active IEEE 802 LMSC WGs hold their plenary sessions during IEEE 802 LMSC plenary sessions.

IEEE 802 LMSC may collect fees, usually a registration fee, from all attendees of any portion of any technical meeting that is a part of an IEEE 802 LMSC plenary session to cover the expenses of the plenary session and the expenses of operating IEEE 802 LMSC.

IEEE 802 LMSC PLENARY

The IEEE802 LMSC plenary session consists of (optional IEEE 802 LMSC plenary meetings), Sponsor meetings, and WG meetings. The plenary session may also offer tutorial programs. If tutorials are offered on Monday, other meetings of IEEE 802 LMSC subgroups shall not be scheduled to overlap with the time of the tutorial programs. The plenary meeting is a meeting of individuals interested in local and metropolitan area network standards. The function of the plenary meeting is information dissemination. The Sponsor Chair sets the agenda for IEEE 802 LMSC plenary meetings and may chose not to hold the meeting if there are no items for the agenda.

Each WG, TAG, and ECSG Chair shall provide a status report to the Sponsor Recording Secretary no later than one week after the conclusion of the closing EC meeting. This status report shall include a description of the progress made during the week, as well as plans for further work and future meetings. The Recording Secretary shall post these status reports on the IEEE 802 LMSC web page no later than two weeks after the close of the plenary session.

The plenary meeting is conducted by the Sponsor Chair or a designated delegate.

IEEE 802 LMSC Plenary Venue selection

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

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

Interim Sessions

In addition to plenary sessions, IEEE 802 LMSC WGs and WG subgroup may hold interim sessions. An interim session may be for a single WG or WG subgroup or it may be a joint interim session for any combination of WGs, and subgroups.

Interim sessions shall have: 1) Reasonable notification (>30 days) in addition to any announcement given at a Plenary session, and 2) Few last minute shifts in location (<< 1 per year).

Interim Session Hosts

Each interim session and joint interim session shall have a Host. The Host is the entity that is responsible for the financial and logistical planning, and preparation for and execution of the session.

An interim session or joint interim session may be hosted by the Sponsor, an IEEE 802 LMSC WG operating with treasury, several IEEE 802 LMSC WGs operating with a joint treasury, or a non-IEEE 802 LMSC entity. WGs and WG subgroups not authorized to operate with treasury and shall not host an interim session.

Alternatively, an interim session or joint interim session may be co-hosted (jointly hosted) by any combination of WGs operating with treasury, WGs operating with a joint treasury, and a non-IEEE 802 LMSC entities. Each of the entities co-hosting an interim session (Co-hosts) shall have approved a written agreement stating the responsibilities and liabilities of each Co-host and the disposition of any surplus funds before any financial commitments are made for the co-hosted session. When an interim session is co-hosted, the term Host means all of the Co-hosts as a single entity.

The Host may contract with meeting planners and/or other entities to assist it in hosting the session.

The responsibilities, authorities, and liabilities of a Host are defined in the following list.

> The Host is solely responsible for the finances and the logistical planning, preparation for and execution of the session.

The Host will consult and coordinate with the Chair(s) of the WG(s) or WG subgroup(s) participating in the session on the financial and logistical planning, and preparation for and execution of the session.

The Host is solely responsible for all contracts and agreements that are for goods and/or services exclusively for the session.

The Host is solely responsible for collecting the fees, if any, from attendees and for paying the session expenses including any penalties.

The Host is solely responsible for any session deficit and the disposition of any session surplus funds.

Interim Session Fees

The Host of an interim session may collect fees from all attendees of any part of any technical meeting that is part of the session. The fees, usually a registration fee, shall be used to cover the direct expenses of the session and, in some cases, may also be used to cover other WG operating expenses. The "direct expenses" of a session are those expenses, including penalties, that are incurred for goods and/or services that are completely consumed by the planning, preparation for and/or execution of the session.

If a WG operating with treasury, or several WGs operating with a joint treasury, are the Host of an interim or joint interim session, any fees collected from attendees should be deposited respectively in the WG treasury or joint treasury. If several WGs operating with treasury and/or several groups of WGs operating with joint treasury co-host a joint interim session, any fees collected from attendees should be deposited in the bank account of one of the co-hosting WGs, as specified in the co-hosting agreement.

If a WG operating with treasury hosts or co-hosts an interim session for only itself, or several WGs operating with a single joint treasury host or co-host a joint interim session for only themselves, the collected fees, if any, may also be used to cover other operating expenses of the participating WG(s).

If a WG operating with treasury hosts or co-hosts a joint interim session for itself or its subgroups and organization units from other WG(s), or several WGs operating with a joint treasury host or co-host a joint interim session for themselves or their subgroups and organization units from other WGs, the collected fees, if any, may also be used to cover other operating expenses of the hosting WG(s) if, and only if, the fees for the session are agreed to by the Chair(s) of all of the WG(s) with an organization unit participating in the session. An "organization unit" of a WG is defined as the WG itself or any of its subgroups.

Interim Session Financial Reporting

A report is not required if the WG/TAG was not the Host of the session and the following requirements were met:

The Host complied with the definition of a host in subclause 5.2.1 of this OM

The WG its subgroups and its officers had no financial responsibility for the session including any deficit or penalties

The WG its subgroups and its officers did not handle or exercise any control over any funds either received for the session or disbursed to pay the expenses of the session including penalties

The WG, its subgroups and its officers did not exercise any decision authority over the disposition of any surplus funds from the session

The WG, its subgroups and its officers had no control over or beneficial interest in any surplus funds from the session

In all other cases where fees were collected for interim sessions, a WG/TAG shall prepare and submit all financial reports required by IEEE, IEEE-SA, Computer Society and Sponsor regulations.

Registration Policy

In order for an individual to become registered for a given IEEE 802 LMSC plenary or interim session of an IEEE 802 LMSC subgroup, the individual shall:

a) Have complied with the registration requirements for all previously attended IEEE 802 LMSC plenary sessions and interim sessions of IEEE 802 LMSC subgroups, including payment of any required registration fees, and

b) Have completed a valid registration for the session in question, including payment of any required registration fee.

An individual who attends any portion of a technical meeting that is part of an IEEE 802 LMSC plenary session or an interim session of an IEEE 802 LMSC subgroup is obligated to comply with the registration requirements for that session.

An individual who attends any portion of a technical meeting that is part of an IEEE 802 LMSC plenary session or an interim session of an IEEE 802 LMSC subgroup but does not comply with the registration requirements for that session, and further has not complied with those requirements within 60 days after the end of the session, including payment of any required registration fees, shall be subject to the following sanctions:

i)   No participation credit will be granted for said session.

ii) Any participation credit acquired before said session toward membership in any IEEE 802 LMSC group is revoked.

iii) Membership in any IEEE 802 LMSC group is terminated.

iv) No participation credit will be granted for attendance at any subsequent IEEE 802 LMSC session until the individual has complied with the registration requirements for all previously attended IEEE 802 LMSC sessions by the start of said subsequent session.

An individual who has lost membership in an IEEE 802 LMSC group due to failure to comply with the registration requirements for an IEEE 802 LMSC plenary or interim session of an IEEE 802 LMSC subgroup may again earn membership in an IEEE 802 LMSC group as follows:

First, comply with the registration requirements for all IEEE 802 LMSC plenary and interim sessions previously attended by the individual. An individual may not be granted membership in any IEEE 802 LMSC group until this requirement is fulfilled.

Second, acquire the participation credit required for group membership as required for an individual that had never previously attended an IEEE 802 LMSC session.

The interpretation and implementation of the registration policy for IEEE 802 LMSC plenary sessions and IEEE 802 LMSC hosted interim sessions shall be the responsibility of the IEEE 802 LMSC Treasurer and the IEEE 802 LMSC Executive Secretary. Unless otherwise specified in WG, TAG, or ECSG P&Ps, 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.

Vote

Voting Guidance

It is expected that Sponsor members will vote as both professionals and as individual experts, except under the Directed Position (See 5.2) provisions of the Sponsor P&P, and *not* as a member of any affiliate block (organization, alliance, company, consortium, special interest group, etc.). If substantive evidence is presented to the Sponsor Chair that this provision is violated, the Sponsor will meet to consider what, if any, action to take on the presented evidence up to and including suspension of the Sponsor members' voting rights and/or removal from office.

Procedure for Establishing a Directed Position

Members of the Sponsor have a responsibility to act in the best interest of the IEEE 802 LMSC as a whole. WG Chairs have a responsibility to represent their WGs on the Sponsor. At times these responsibilities are in conflict with each other.

Decisions of a WG may be of such a nature that the WG members deem it necessary to "Direct" the WG Chair to vote a specific way on Sponsor motions related to a WG decision. When directed, through the process described below, the WG Chair shall vote as mandated by the WG

resolution for the specified subject on any formal vote(s) in the Sponsor. It would be anticipated that the use of a directed (i.e., instructed) vote is an exceptional situation and hence used infrequently, e.g., critical PAR votes, formation of new WGs and Study Groups.

WG developed positions are not to be considered as automatic "Directed Positions." After a WG motion has been passed that establishes the WG's position, a separate Directed Position (75% required to pass) motion is required to make that WG Position a Directed Position. A Directed Position motion applies only to a specific, bounded, WG issue that is to be brought before the Sponsor. Directed Position motions may not be combined, nor may any procedure be adopted that diminishes the extraordinary nature of establishing a "Directed Position."

The WG Chair, however, has the freedom to express other views in an attempt to persuade members of the Sponsor to consider them, however, such views shall be identified as distinct from and not the formal WG Directed Position. The WG Chair is required to disclose to the WG his/her intent to offer a position contrary to a Directed Position. When presenting a Directed Position to the Sponsor, the WG Chair is obligated to present and support the WG's Directed Position Motion with voting results, along with pros and cons behind the motion.

Delegation of WG Chair duties to WG Vice Chair

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

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

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

Notice of Meetings and Ballots

The WG Chair or designee shall ensure that notification of WG meetings and ballots are issued to both the members of Ballot Groups, as well as, those working on the comment resolutions.

Position Statements for Standards

All external communications shall comply with subclause 5.1.4 of the *IEEE-SA Standards Board Operations Manual*.

Incoming liaison letters to Sponsor members shall be forwarded to the Sponsor Chair and, as applicable, the relevant Sponsor subgroup chair.

Informal communications shall not imply that they are a formal position of the IEEE 802 LMSC or of the Sponsor subgroup.

Proposed communications that need to be issued by other IEEE entities shall be forwarded to the IEEE-SA Standards Board Secretary for further processing upon approval by the Sponsor.

Procedure for Coordination with Other Standards Bodies

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

IEEE 802 LMSC communications

Communications from the IEEE 802 LMSC to external standards bodies shall not be released without prior approval by the Sponsor. Such approval indicates that the communication represents the position of IEEE 802 LMSC.
All communications by IEEE 802 LMSC with external standards bodies shall be issued by the IEEE 802 LMSC Chair and shall be copied to the Sponsor.

Sponsor subgroup communications

Sponsor subgroup communications with external standards bodies that are not "Information Only" should be copied to affected members of the Sponsor.
Sponsor subgroup communications with external standards bodies shall not imply that they represent the position of IEEE or IEEE 802 LMSC. They shall be issued by the Sponsor subgroup Chair(s) and the Sponsor Chair shall be included in the distribution list.

Sponsor members receiving incoming liaison letters from external standards bodies shall forward a copy to the Sponsor Chair, and, as applicable, the relevant Sponsor subgroup Chair.

Procedure for Communication with Government Bodies

These procedures apply to communications with government and intergovernmental bodies. All interations with the ITU will be treated as interactions with an intergovernmental body.

IEEE 802 LMSC Communications

IEEE 802 LMSC communications to government bodies shall not be released without prior approval by 2/3 of the Sponsor.

All IEEE 802 LMSC communications to government bodies shall be issued by the IEEE 802 LMSC Chair as the view of IEEE 802 LMSC (stated in the first paragraph of the statement). Such communications shall be copied to the Sponsor and the IEEE-SA Standards Board Secretary and shall be posted on the IEEE 802 LMSC web site. The IEEE 802 LMSC web site shall state that all such position statements shall expire five years after issue.

Sponsor subgroup communications

Sponsor subgroup communications with government bodies shall not be released without prior approval by 75% of the Sponsor subgroup. Such communications may proceed unless blocked by a Sponsor vote. For statements not presented for review in a sponsor meeting, Sponsor members shall have a review period of at least five days; if, during that time, a motion to block it is made, release of the statement will be withheld until a letter ballot of the Sponsor is held to determine if it is approved.

Sponsor subgroup communications shall be identified in the first paragraph as the view of only the Sponsor subgroup and shall be issued by the Sponsor subgroup(s) Chair(s) and shall include the Sponsor Chair in the distribution. Such statements shall not bear the IEEE, the IEEE-SA, or IEEE 802 LMSC logos.

Standards Publicity

Any publicity issued within IEEE 802 LMSC shall be in compliance with subclause 5.1.5 of the *IEEE-SA Standards Board Operations Manual* and with item h) of 4.1.1.

Use of IEEE 802 LMSC Funds

The purpose of the IEEE 802 LMSC treasury is to allow the IEEE 802 LMSC to collect and disburse funds for activities that are appropriate to the orderly development of IEEE 802 LMSC standards. Use of such funds includes:

Payment for the expenses of conducting IEEE 802 LMSC hosted sessions and related meetings and for other IEEE 802 LMSC operating expenses. Such expenses include, but are not limited to, the expenses for:

meeting rooms
document reproduction
meeting administration
food and beverages

computer networking and Internet connectivity
goods and services needed for the efficient conduct of business
insurance
audits

Reimbursement to individuals for appropriate expenses not covered by other sources, such as corporations, other IEEE organizations, etc.

The primary source of funds for the IEEE 802 LMSC is the registration fees collected from attendees of IEEE 802 LMSC hosted sessions.

Specific policies regarding the treasury are as follows:

a) The IEEE 802 LMSC shall open and maintain an IEEE 802 LMSC bank account that will be administered by the IEEE 802 LMSC Treasurer.
b) The IEEE 802 LMSC may open merchant accounts as required for the processing of credit card charges. Such accounts shall be administered by the IEEE 802 LMSC Treasurer.
c) All funds received by the IEEE 802 LMSC shall be promptly deposited in the IEEE 802 LMSC bank account. All funds retained by the IEEE 802 LMSC shall be held in the IEEE 802 LMSC bank account or, if appropriate, in investments approved by the IEEE.
d) All IEEE 802 LMSC expenditures require the approval of the Sponsor with the sole exception that the Sponsor Chair, Vice Chairs, Secretaries, Treasurer, and each WG Chair whose group is not operating with treasury, may be reimbursed from the IEEE 802 LMSC treasury for up to $200 of appropriate expenses incurred between IEEE 802 LMSC plenary sessions without specific approval of the Sponsor.
e) The Treasurer will provide reports about IEEE 802 LMSC finances to the IEEE 802 LMSC membership at large at IEEE 802 LMSC plenary sessions and to the Sponsor. The Treasurer will provide additional reports and participate in audits as required by IEEE rules.
f) The IEEE 802 LMSC Treasurer shall strive to maintain an operating reserve (uncommitted funds on hand) sufficient for paying the worst-case expenses of canceling an IEEE 802 LMSC plenary session.
g) Sponsor approval of the site for an IEEE 802 LMSC hosted session constitutes authority for the Treasurer to pay all ordinary expenses for that session and any extraordinary expenses presented as part of the meeting site proposal.

Procedure for PARs

IEEE-SA Standards Board Approval

Any standards activity whose aim is to produce a Standard, Recommended Practice, or Guide shall submit a PAR to the IEEE-SA Standards Board within six months of beginning work.

Refer to the IEEE-SA Working Guide for Submittal of Project Authorization Request (PAR) and PAR Form. (See http://standards.ieee.org/guides/par/index.html.)

Add pages, as necessary, of more detailed information than is on the PAR form about the Scope, Purpose, and Coordination of the proposed project, but include summary text under Scope and Purpose.

IEEE 802 LMSC Approval

A complete proposed PAR and, if applicable, responses to the five criteria per 11.5 below shall be submitted to the Sponsor via the Sponsor email reflector for review no less than 30 days prior to the doay of the opening Sponsor meeting of an IEEE 802 LMSC plenary session. The submittal message should include Internet links to the required submittal documents. Presence of the submittal message in the reflector archive (with time stamp) is evidence of delivery.

Approval of the PAR by the EC is contingent on inclusion of accepted responses describing how the proposed PAR meets the five criteria and a work plan for the development of managed object definitions, either as part of the PAR or as a part of an additional PAR. PARs which introduce no new functionality are exempt from the requirement to provide responses to the five Criteria. Examples of such PARs are: Protocol Implementation Conformance Statements (PICS), Managed Object Conformance Statements (MOCS), PARs to correct errors, and PARs to consolidate documents.

At the discretion of the IEEE 802 LMSC Chair, PARs may be submitted in parallel to NesCom when the Sponsor Closing meeting date allows the PAR to be removed from consideration prior to NesCom recommendation to the Standards Board.

At the discretion of the IEEE 802 LMSC Chair, PARs for ordinary items (e.g., Maintenance PARs) and PAR changes essential to the orderly conduct of business (e.g., division of existing work items or name changes to harmonize with equivalent ISO JTC-1 work items) may be placed on the Sponsor agenda if delivered to Sponsor members 48 hours in advance.

All PARs must be accompanied by supporting documentation, which must include:

Explanatory technical background material

Expository remarks on the status of the development of the PAR (e.g., approved by WG, Draft pending WG approval at next meeting, etc.)

Plenary Review

In order to ensure wide consideration by IEEE 802 LMSC members, PARs for significant new work (those that will result in a new Standard/Recommended Practice/Guide or an addition to an existing one) shall pass through the following process during the IEEE 802 LMSC plenary session week in which Sponsor approval is sought:

Prior to the start of the IEEE 802 LMSC session, draft PARs and 5 criteria under consideration for approval by the Sponsor shall be available at a publicly accessible URL and an email sent to the Sponsor reflector should contain the URLs required for viewing the PAR and associated documentation. WG chairs should inform their WGs of the PARs that have been circulated to the Sponsor. Once approved / disapproved by the Sponsor, PARs and supporting material should be removed from the public URL. Supporting material shall be available in sufficient detail for members of other WGs to understand if they have an interest in the proposed PAR (i.e., if they would like to contribute to/participate in the proposed work, or identify if there is conflict with existing or anticipated work in their current WG).

It is highly recommended that a tutorial be given at a previous plenary session for major new work items.

WGs, other than the proposing WG, shall express concerns to the proposing WG as soon as possible and shall submit comments to the proposing WG and the Sponsor by e-mail not later than 5:00 p.m. on Tuesday of the plenary session.

The proposing WG shall post a response to commenting WG and to the Sponsor together with a Final PAR on a public website and circulate the relevant URL on the Sponsor reflector not later than 5:00 p.m. on Wednesday of the plenary session. It will be assumed that insufficient coordination and/or inter-WG consideration had occurred prior to the submission of the PAR if this deadline is not met, and the proposed PAR will not be considered by the Sponsor at the closing Sponsor meeting.

Chair responsibilities

The WG Chair shall sign the copyright acknowledgment.

The Sponsor Chair (or the Chair's delegate) shall implement the NesCom procedures required to formally submit PARs to NesCom..

Criteria for Standards Development (Five Criteria)
Broad Market Potential

A standards project authorized by IEEE 802 LMSC shall have a broad market potential. Specifically, it shall have the potential for:

a)   Broad sets of applicability.
b)   Multiple vendors and numerous users.

c)   Balanced costs (LAN versus attached stations).

Compatibility

IEEE 802 LMSC defines a family of standards. All standards should be in conformance : IEEE
        Std 802, IEEE 802.1D, and IEEE 802.1Q. If any variances in conformance emerge, they
        shall be thoroughly disclosed and reviewed with IEEE 802.1 Working Group. In order to
        demonstrate compatibility with this criterion, the Five Criteria statement must answer the
        following questions.
        Does the PAR mandate that the standard shall comply with IEEE Std 802, IEEE Std
        802.1D and IEEE STd 802.1Q?
        If not, how will the Working Group ensure that the resulting draft standard is compliant,
        or if not, receives appropriate review from the IEEE 802.1 Working Group

Distinct Identity

Each IEEE 802 LMSC standard shall have a distinct identity. To achieve this, each authorized
        project shall be:

a)   Substantially different from other IEEE 802 LMSC standards.
b)   One unique solution per problem (not two solutions to a problem).
c)   Easy for the document reader to select the relevant specification.

Technical Feasibility

For a project to be authorized, it shall be able to show its technical feasibility. At a minimum, the
        proposed project shall show:

a)   Demonstrated system feasibility.
b)   Proven technology, reasonable testing.
c)   Confidence in reliability.

Coexistence of IEEE 802 LMSC wireless standards specifying devices for unlicensed
operation

A WG proposing a wireless project is required to demonstrate coexistence through the
preparation of a Coexistence Assurance (CA) document unless it is not applicable.
The WG will create a CA document as part of the WG balloting process.
If the WG elects not to create a CA document, it will explain to the Sponsor the reason
the CA document is not applicable.

Economic Feasibility

For a project to be authorized, it shall be able to show economic feasibility (so far as can reasonably be estimated) for its intended applications. At a minimum, the proposed project shall show:

a) Known cost factors, reliable data.
b) Reasonable cost for performance.
c) Consideration of installation costs.

Withdrawn PARs

Occasionally a PAR is withdrawn. When a PAR is to be withdrawn, the responsible WG chair in consultation with the WG shall consider whether the most current draft has content that should be archived. If so, the WG chair shall ensure the most current draft of the proposed standard is placed on the IEEE Document Distribution Service list. The WG chair shall add a cover page to the draft alerting the reader that the PAR has been withdrawn for this work, giving the specific date of the withdrawal and the rationale for the withdrawal.

The withdrawn draft shall be maintained on the IEEE Document Distribution Service list for a period of 3 years after the time of withdrawal, after which it shall be removed from the list.

Policy for Distribution of New IEEE IEEE 802 LMSC Standards Publications

CD-ROMs containing all IEEE 802 LMSC standards will be distributed on an annual basis to registered attendees.

Procedure for Conditional Approval to Forward a Draft Standard

This procedure is to be used when approval to forward a draft standard to sponsor ballot or to RevCom is conditional on successful completion of a WG or sponsor recirculation ballot, respectively.

Conditional approval is only appropriate when ballot resolution efforts have been substantially completed and the approval ratio is sufficient. "Substantially complete" is when there is a very low likelihood of receiving valid new Disapprove comment(s)/vote(s) upon the next recirculation ballot. If the requirements for conditional approval have not been met at end of that recirculation ballot, then one subsequent recirculation ballot may be conducted in an attempt to meet the conditional approval conditions. If the conditions are not met by the subsequent recirculation ballot, the conditional approval terminates. Conditional approval expires at the opening of the next plenary.

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

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

Where a voter has accepted some comment resolutions and rejected others, only the comments of which the voter has not accepted resolution should be presented.

When conditional forwarding to sponsor ballot has been approved, the conditions shall be met before initiating sponsor ballot. When conditional forwarding to RevCom has been approved by the Sponsor, the submittal may be forwarded to RevCom before the conditions have been fulfilled in order to meet the submittal requirements for the next RevCom meeting. However, the submittal shall be withdrawn from the RevCom agenda if the conditions have not been met one week before the RevCom meeting.

Conditions:

a) Recirculation ballot is completed. Generally, the recirculation ballot and resolution should occur in accordance with the schedule presented at the time of conditional approval.
b) After resolution of the recirculation ballot is completed, the approval percentage is at least 75% and there are no new valid DISAPPROVE votes.
c) No technical changes, as determined by the WG Chair, were made as a result of the recirculation ballot.
d) No new valid DISAPPROVE comments on new issues that are not resolved to the satisfaction of the submitter from existing DISAPPROVE voters.
e) If the WG Chair determines that there is a new invalid DISAPPROVE comment or vote, the WG Chair shall promptly provide details to the Sponsor.
f) The WG Chair shall immediately report the results of the ballot to the Sponsor including: the date the ballot closed, vote tally and comments associated with any remaining disapproves (valid and invalid), the WG responses and the rationale for ruling any vote invalid.

Submittals may be forwarded to RevCom without Sponsor Approval or Conditional Approval in order to meet the submittal requirements for the next RevCom meeting, provided that the Sponsor Chair first notifies the Sponsor email reflector that, in the Chair's view based on the complete RevCom package, there is a reasonable expectation that the submittal will be approved by the Sponsor before the RevCom meeting. If it becomes apparent that approval will not be completed, the submittal shall be withdrawn from the RevCom agenda as early as possible.

Note: Withdrawal of an agenda item is a significant discourtesy to the volunteer members of RevCom.

Procedure for Coexistence Assurance

If indicated in the five criteria, the wireless WG shall produce a coexistence assurance (CA) document in the process of preparing for WG letter ballot and Sponsor ballot. The CA document shall accompany the draft on all wireless WG letter ballots.

The CA document shall address coexistence with all relevant approved IEEE 802 LMSC wireless standards specifying devices for unlicensed operation. The WG should consider other specifications in their identified target band(s) in the CA document.

The IEEE 802.19 WG shall have one vote in WG letter ballots that include CA documents. As part of its ballot comments, the IEEE 802.19 WG will verify the CA methodology was applied appropriately and reported correctly.

The ballot group makes the determination on whether the coexistence necessary for the standard or amendment has been met.

A representative of the IEEE 802.19 WG should vote in all wireless Sponsor ballots that are in the scope of the IEEE 802.19 coexistence WG.

————————————————Page Break————————————————

Editing Guidance (not part of formal P&P or OM)

The LMSC or IEEE 802 should be referred to consistently as IEEE 802 LMSC, and is the summation of all subgroups that make up IEEE 802 / LMSC.

The IEEE 802 LMSC EC should normally be referenced as the Sponsor (with a capital S).
The plural of WG / SG / TAG / ECSG is indicated by adding an 's' (e.g. WGs).

In general if a rule is applicable to both WGs and TAGs the term 'WGs' should be used rather than 'WGs/TAGs' or 'WGs and TAGs' since WG rules apply by reference to TAGs as well.

The term 'subgroup' should be used rather than 'sub group'

I need to figure out how to address the fact that WG are not subgroups of the EC, but rather of IEEE 802 LMSC. However the EC is the sponsor, so the section titled subgroups of the sponsor is misleading.

Don't use period at the ends of items in lists.

Motion #4	Approve changes to OM in Document EC-12-0023-01	
Moved	Gilb	
Second	Rosdahl	
Results	(y/n/a)	14 / 0 / 0
Motion	passes	

Recommended Operations Manual Changes

Problem

- The language about miscellaneous expenditures up to $200 not needing authorization is really weird. The definition of a IEEE 802 LMSC plenary session is not completely explicit, but the OpsMan states that an IEEE 802 LMSC plenary session consists of a set of meetings, so my interpretation of the OpsMan is that a IEEE 802 LMSC plenary session is limited to the week that has the meetings. Jon Rosdahl at the March 2012 Plenary made expenditure for a survey that was being made. According to our existing rules, I should not have reimbursed him, because the expenditure was not made "between IEEE 802 LMSC plenary sessions", and was not an ordinary expense for that session.

Suggested changes

- I recommend the following change to 11d:
- d) All IEEE 802 LMSC expenditures require the approval of the Sponsor with the sole exception that the Sponsor Chair, Vice Chairs, Secretaries, Treasurer, and each WG Chair whose group is not operating with treasury, may be reimbursed from the IEEE 802 LMSC treasury for up to a total of $500 of appropriate expenses between the close of the closing Sponsor meeting and the close of the immediately following closing Sponsor meeting without specific approval of the Sponsor.

Problem

- The current Operations Manual has a discrepancy in terminology that could be confusing. "authority" is used in some places, "approval" in others. I would like the consistency in terminology to make explicit my authorization/approval.

Suggested change

- I recommend the following change to 11g:
- g) Sponsor approval of the site for an IEEE 802 LMSC hosted session constitutes approval for the Treasurer to pay all ordinary expenses for that session and any extraordinary expenses presented as part of the meeting site proposal.

Problem

- So far as I can tell, the LMSC has never explicitly approved any meeting sites; "approval" seems to be implicit in that nobody complained when meeting schedules were presented. I need explicit meeting site approval, which will make explicit that meeting expenditures have been approved as well. This could be in the form of a consent agenda item in the future.

Motion #5	Approve changes to OM in Recommended Operations Manual changes 2012-06-03.ppt,Slide #3	
Moved	Chaplin	
Second	Gilb	
Results	(y/n/a)	14//0/0
Motion	passes	

LMSC Rules Change:
Plenary Venue Selection

Jon Rosdahl
802 EC Executive Secretary
jrosdahl@ieee.org

EEE 802

LMSC OM – existing clause:

5.1.2 IEEE 802 LMSC Plenary Venue selection

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

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

EEE 802

OM – Proposed additional text:

Add as paragraph 3 to 5.1.2 IEEE 802 LMSC Plenary Venue selection:

"Venue contracts are negotiated by the Meeting manager. The venue contract summary is presented for approval to the EC. Upon approval of the EC, the EC Executive Secretary submits the venue contract(s) to the IEEE procurement office to formally execute the contract."

References

LMSC OM:

http://grouper.ieee.org/groups/802/PNP/2012-03/IEEE_802_LMSC_OM_approved_120604.pdf

Motion #6	Move to accept changes in ec-12/27R2	
Moved	Rosdahl	
Second	Gilb	
Results	(y/n/a)	14 / 0 /0
Motion	passes	

Meeting Manager - Proposed Changes to OM and Chair's Guideline

Date: 2012-06-17

Authors:

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

Abstract

Proposed Changes to the LMSC OM and one change to the Chair's Guideline to address the role of Meeting Manager

Some of these proposed changes stem from discussions during the Nov 2011 EC Workshop, March 2012 Plenary and the 5 June 2012 Interim Call, as well as discussion by the EC AdHoc -- Meeting Manager.

Version two captures changes suggested during the July 15th Rules meeting.

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

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

  Revisions to these documents shall be submitted by a Sponsor member to the Sponsor no less than 30 day in advance of a Sponsor Vote to approve them. The Sponsor member proposing the revision may modify the proposed revision during the 30 days prior to a Sponsor Vote (in response to comments). Insufficient time to consider complex modifications is a valid reason to vote disapprove. A motion to revise these documents shall require a vote of approve by at least two thirds of all members of the Sponsor. Votes to approve revisions shall be taken at a plenary session. If approved, revisions become effective at the end of the plenary session where the votes were taken.
  "

Proposed Change 1

- **Add Clause "5.1.3 Meeting Manager" to LMSC OM**
  - This new clause describes the job description of the Meeting Manager
  - This is a responsibility not an EC position
  - This responsibility may be assigned to an EC member or contracted out.

Existing Chair's Guidelines 2.17
MEETING MANAGER, MEMBER EMERITUS
RESPONSIBILITIES

1. **802 Plenary Meetings: Facilities and Services Oversight**
   - facilities/services tabulate site choice selections and maintain calendar for plenary meetings
   - Negotiate with venues and other service providers (e.g., meeting planner, network services, etc.) to ensure first-rate facilities and pricing Develop RFPs, be prime evaluator of responses, coordinate decisions with the EC.
     - maintain Conference Guidelines for solicitation of hotel proposals
     - review hotel proposals for correctness and conformance to Guidelines
     - present summary of hotel options to executive committee and sign approval proposal on behalf of 802
   - oversee activities related to meeting facilities and services

---

Existing Chair's Guidelines 2.17
MEETING MANAGER, MEMBER EMERITUS
RESPONSIBILITIES (cont)

- review and approve all decisions involving 802 funds for meeting facilities/services
- present unusual expenditures to executive committee for approval
- assist in identification of future site choices/locations
- facilities/services tabulate site choice selections and maintain calendar for plenary meetings
- coordinate with Conference Service Provider and LMSC Chair on major decisions

2. **Conference Service Provider (CSP)**
   - maintain the CSP duties requirements document
   - oversee CSP performance at meetings
   - serve as primary resource for planning and problem resolution both at meetings and between as necessary
   - participate in letter of agreement between 802 and CSP
   - present summary recommendations on future CSP contracts to executive committee
   - execute (sign) approved CSP agreement on behalf of 802

3. **Note this is a non-voting EC position.**

Proposed
New Clause 5.1.3:

- ### 5.1.3 Meeting Manager Responsibilities
  1. **Plenary Meetings: Facilities and Services Oversight**
     - Oversee activities related to meeting facilities and hotel services
     - Maintain Conference Guidelines for solicitation of hotel proposals
     - Develop RFPs for hotel properties
     - Assist in identification possible hotel choices
     - present summary of hotel options to executive committee
     - Maintain calendar for plenary sessions
     - Review hotel proposals for correctness and conformance to IEEE Guidelines
     - Negotiate with venues to ensure quality facilities and pricing
     - review invoices and billing for meeting facilities/services
       - present unusual expenditures to executive committee for approval

Proposed New Clause 5.1.3 (cont)

2. **Oversight of Conference Service Providers (CSPs)**
   - Maintain the CSP duties requirements documents
   - Develop RFPs for CSPs
   - Negotiate with CSPs (e.g., meeting planner, network services, etc.) to ensure first-rate service and fair pricing
   - Present summary recommendations on future CSP contracts to executive committee
   - Oversee performance of CSPs at sessions
   - Serve as primary resource for planning and problem resolution with CSPs

Proposed Change #2

- **Remove Meeting Manager description from Chair's Guideline.**

References

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

LMSC OM:
http://grouper.ieee.org/groups/802/PNP/2012-03/IEEE_802_LMSC_OM_approved_120604.pdf

Chair's Guidelines:
http://grouper.ieee.org/groups/802/misc-docs/802%20LMSC%20chair_guidelines_rev1.9.7.pdf

Motion #7	Move to accept changes in Recommended Operations Manual changes in 2012-0026-02, Slide #3		
Moved	Rosdahl		
Second	Chaplin		
Results	(y/n/a):	7/6/1	
Motion	Fails	(need 2/3)	

Proposed 802 Rules Changes to Address Industry Connections

John D'Ambrosia, Dell

Wael William Diab, Broadcom

Terminology and Background

- IC
  - Stands for Industry Connections program
  - Oversight is done by the IEEE-SA Standards Board
    - Previously under IEEE-SA BoG. Moved this year
  - Program allows for activities that are entity or individual and with or without sponsor oversight (matrix of 4)
    - http://www.ieee802.org/minutes/2010-November/opening_plenary/1110_industry_connections_2.pdf
- ICCom
  - Newly formed committee of the IEEE-SA Standards Board focused on IC activities and making recommendation to the IEEE-SA SB on them
- ICAID
  - Stands for Industry Connections Activities Document
  - Similar to a PAR form in terms of governance flow and approvals but different in terms of content
  - Currently being updated and will incorporate much of the feedback learned from activities such as BWA and HSE

Overview

- ICCom asks for endorsement from the sponsor of ICAID and its contents for proposed Industry Connections activity that indicate sponsor oversight
- Currently, no procedures within 802 to address endorsement
- Following principles proposed for changes to 802 EC Operations Manual
  - Specific changes to the OM to be shown after initial EC feedback on Friday

Principles (1)

- The ICAID is required for EC review and made available for the motion to endorse
- Procedures to follow study group policies in EC OM with the following exceptions
  - Endorsement
    - EC Endorses ICAID content
  - Duration
    - chartered for the requested duration of the ICAID
  - Termination
    - Termination of an approved IC activity by request to ICCom and occurs
      - upon completion of deliverables
      - or at the end of requested duration
    - EC can request termination of IC activity prior to the above

Principles (2)

- Use of the Industry Connections program is appropriate for the following activities within the 802 sponsor and its subgroups
  - Report
  - White paper
  - Pre-study group activity
  - Presentations
- Use of the Industry Connections program is not appropriate to replace normal study group function for PAR generation within the 802 sponsor and its subgroups

Straw poll was if the members of the EC supported the principles in ec-12-0045-00.

Vote (y/n/a) is: 11/0/0

Time 1:57

| 4.06 | MI | Future Venues | | Rosdahl | 10 | 01:39 PM |

Rosdahl presented slides from 802EC-12/0039r1

Friday, Closing EC Meeting

July 20, 2012
ExSec Agenda Items

F4.02 - IEEE 802 EC Interim Teleconference

- **802 EC Interim Conference calls are 1-3PM ET on the first Tuesday of FEB, JUN and OCT.**
  - During the Monday EC Meeting, it was announced that we are changing the Oct 2012 call to 9 Oct.

- **Call Schedule:**
  - 2012: 02FEB, 05JUN, 09OCT
    2013: 05FEB, 04JUN, 01OCT
    2014: 04FEB, 03JUN, 07OCT

802 EC Interim Teleconference: Oct 9, 2012 1-3PM ET

- **Draft Agenda:**
    - Welcome/Intro/Approve Agenda   - Nikolich 4 min
    - Report: Single Sales Channel Update   - Nikolich 3 min
    - Report:
    - Report:
    - DT: Agenda topics for 802 EC 2012 Workshop -   15 min
    - Report: July 2012 San Antonio Meeting Plans   - Rosdahl 3 min
    - Report: July 2013 Geneva Meeting Plan Status   - Rosdahl 4 min

    - AOB   91 min

4.06 - Future Venue Session Report

- **Met on Wed 12-1pm**
- **Future Venues are listed in doc:802 EC-12/0040**
- **Requirement for one Plenary to be NonNA/NonUS:**
    - Target moving Atlanta from March 2014 to a proposed EC Interim January 2015 to open a slot for a NonNA/NonUS venue. (need EC motion)
    - Target moving San Antonio from Nov 2016 to a proposed EC Interim Either Sept 2016 or Jan 2017 to open a slot for a NonNA/NonUS venue. (need EC motion)
    - Currently we have 2013, 2015 affirmed by EC motion
- **RFP to be sent out for NonNA/NonUS Venue selection:**
    - March 2014, Nov 2016, March/Nov 2017, March/Nov 2018
- **Contracts for Waikoloa, Hawaii**
    - July 2015

Motion to Authorize an EC Sponsored Interim for January 2015

- **Motion to sponsor an Interim Meeting January 2015 in Atlanta for the express purpose to move the March 2014 Atlanta venue existing contract to January 2015.**

- **Moved: Jon Rosdahl   2nd: Bruce Kraemer**

-

- **Note that this will provide a date for a NonNA/NonUS venue in 2014.**

Motion #8:	Motion to sponsor an Interim Meeting January 2015 in Atlanta for the express purpose to move the March 2014 Atlanta venue existing contract to January 2015.
Moved	Rosdahl
Second	Kraemer
Results	(y/n/a): 14/0/0
Motion	Passes
Note that this will provide a date for a NonNA/NonUS venue in 2014.	

Motion to Authorize an EC Sponsored Interim for Sept 2016 or January 2017

- **Motion to sponsor an Interim Meeting Sept. 2016 or January 2017 in San Antonio for the express purpose to move the November 2016 San Antonio venue existing contract to Sept. 2016 or January 2017.**

- **Moved: Jon Rosdahl   2nd: Bruce Kraemer**

-

- **Note that this will provide a date for a NonNA/NonUS venue in 2016.**

Motion #9:	Motion to sponsor an Interim Meeting Sept. 2016 or January 2017 in San Antonio for the express purpose to move the November 2016 San Antonio venue existing contract to Sept. 2016 or January 2017.	
Moved	Rosdahl	
Second	Kraemer	
Results	(y/n/a)	14/0/0
Motion	Passes	

Note that this will provide a date for a NonNA/NonUS venue in 2016.

Motion to Affirm Future Venues(2)

- **Motion to affirm the approval of the following Venue locations:**
  - 2016 July – San Diego, California
  - 2018 July – San Diego, California

- **Moved: Jon Rosdahl   2nd: Bruce Kraemer**

-

Motion #10-	Motion to affirm the approval of the following Venue locations: - 2016 July – San Diego, California - 2018 July – San Diego, California	
Moved	Rosdahl	
Second	Kraemer	
Results	(y/n/a)	13/0/0
Motion	Passes	

Motion to Affirm Future Venues(3)

- **Motion to affirm the approval of the following Venue locations:**
  - 2015 July – Waikoloa, Kona, HI

- **Moved: Jon Rosdahl   2nd: Bruce Kraemer**

Motion #11:	Motion to affirm the approval of the following Venue locations:
–	2015 July – Waikoloa, Kona, HI
Moved	Rosdahl
Second	Kraemer
Results	(y/n/a): 11 / 3 / 0
Motion	Passes

4.07 - Solicitation for Sponsorship

- **Meetings in nonNA/nonUS are currently most costly than meetings that are in NA/US.**
- **We have done some research into finding locations in various locations around the world in an effort to follow the requirements, but in order to comply with the rules, we will need to do one of two things….**
  - 1. Increase the Meeting fees for all meetings
  - 2. Find Sponsors to reduce the cost for the nonNA/nonUS meetings.

Meeting Space Cost comparisons

- **Here are some points of reference on various venue costs EU and Asia for which we are not likely to get any sponsorship.**
  - With no sponsorship and an attendance of 300,
  - Registration fees would be roughly:
    - $400 higher for Berlin (~$1000 total)
    - $500 higher for Prague (~$1100 total)
    - $300 higher for Seoul (~$900 total)
    - $200 higher for Jeju (~$800 total)

How can you help?

Plenary Session Sponsor Solicitation letter

- **See document:**
- **ec-12-0046-00-00EC-Plenary Sponsor Invitation Letter**

References

- **802 Plenary Future Venue Contract Status:**
  - https://mentor.ieee.org/802-ec/dcn/12/ec-12-0040-00-00EC-802-plenary-future-venue-contract-status.xlsx
- **November 2011 EC Workshop Action Items:**
  - https://mentor.ieee.org/802-ec/dcn/12/ec-12-0003-06-00EC-november-2011-ec-workshop-action-items.xlsx

Rosdahl presented document **ec-12-0046-00-00** (see next page)

Discussion
Further editing of document suggested.
Conduct Email ballot on content of letter. After this, the letter could be forwarded onto the WG Chairs to be forwarded onto the working groups.

IEEE 802

23 July 2012

<u>Attn</u>: All IEEE-802 LAN/MAN Standards Committee Participants

<u>Subj</u>: Invitation to Sponsor Future IEEE-802 Plenary Sessions

Dear Colleagues,

The IEEE-802 Executive Committee is actively seeking Companies or Organizations that would be interested in sponsoring all or part of a future IEEE-802 Plenary Session in their region of the world. Currently we are particularly interested in locating venues in Europe and Asia that could support the requirements for an IEEE-802 Plenary Session.

The role of a Sponsor Company or Organization primarily involves two functions:

- Providing monetary support to help defray the costs of the session, and/or
- Providing logistical and organizational support to facilitate local venue and service provider selections, on-site staff, language interpretation support, etc.

Monetary sponsor levels are typically in the US$100K-$300K range depending upon anticipated venue and session costs. This amount can be provided by one organization or by a group of organizations who wish to combine forces on a joint proposal. The intent would be to ensure that session registration costs for Plenary attendees stay in the affordable range so we do not lose a substantial number of our regular participants, and hopefully encourage some new participants from your region. Other additional sponsorship offers may be made and will be considered for overall IEEE-802 benefit.

Plenary Session Sponsors will be offered several types of public acknowledgements for their contributions and will have the chance to obtain some sponsored registrations for their local attendees. Forms of sponsor acknowledgement are negotiable as long as NO commercial endorsement or product promotion is involved. Invitations to hospitality and/or product showcases that are NOT connected to the IEEE-802 Plenary Session are allowed and flyers to announce those may be displayed on information tables. In addition, the 802 community is willing to work with you on providing subject matter experts at no charge should you wish to produce a local workshop on 802 Standards either just before or just after the Plenary Session.

If you believe your company or organization may have an interest in sponsoring an IEEE-802 Plenary Session in your region, please send an email request for a Sponsor Information package to 802info@ieee.org and to BRigsB@ieee.org.

Thank-you for your interest and support,

Dr. Everett O. (Buzz) Rigsbee
IEEE-802 Meeting Manager
BRigsB@ieee.org

4.08	MI	2012 Nov EC Workshop	Rosdahl	5	01:54 PM

Motion #12:	Move to hold Nov workshop on Nov 17, 2012 with team dinner on Nov 16, 2012, and work 8am to 5pm on Nov 17, 2012		
Moved	Rosdahl		
Second	Gilb		
Results	(y/n/a)	14/0/0	
Motion	Passes		

Treasurer confirms that this motion does not constitute authorization for dinner. A future motion for funding of dinner, if necessary, will be made.. Guidance to EC members - When booking reservations, book for entire time.

Roger Marks has agreed to chair the workshop.

5.01	ME	802.3bn , amendment for EPON Protocol over Coax Networks, forward to NesCom	Law	5	01:59 PM

Law gave update.

IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group

- Study Group closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_epoc_close_report.pdf
- Progress
  - Heard 20 presentations (including 3 in Chinese!)
  - Objectives unchanged from May meeting
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on August NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bn meeting September 2012
  - Assuming PAR approval at August SASB meeting
    - If not will meet as IEEE 802.3 EPoC PHY Study Group
  - Full details at: http://www.ieee802.org/3/interims/
- Web page:
  http://www.ieee802.org/3/epoc/index.html

Motion #13	The EC approves the IEEE P802.3bn PAR and Five Criteria to be submitted for the August 2012 NesCom agenda.
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 14/0/0
Motion	passes

| 5.02 | ME | 802.3bm, amendment for 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables, forward to NesCom | Law | 5 | 02:04 PM |

Law gave update.

IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group

- Study Group closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_ng100goptx_close_report.pdf
- Progress
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on August NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bm meeting September 2012
  - Assuming PAR approval at August SASB meeting
    - If not will meet as IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group
  - Full details at: http://www.ieee802.org/3/interims/
- Web page:
  http://www.ieee802.org/3/100GNGOPTX/index.html

Motion 14	The EC approves the IEEE P802.3bm PAR and Five Criteria to be submitted for the August 2012 NesCom agenda.	
Moved	Law	
Second	D'Ambrosia	
Results	(y/n/a)	14/0/0
Motion	passes	

5.03	ME	IEEE P802.3 (IEEE 802.3bh) Ethernet Revision (conditional), to RevCom	Law	5	02:09 PM

Law gave update

IEEE 802.3 Maintenance

- IEEE P802.3 Revision (IEEE 802.3bh)
  - IEEE P802.3/D3.2 completed 2nd Sponsor recirculation ballot
    - 93% Approval rate, 84% Return rate, 6% Abstention rate
  - Developed responses to comments on IEEE P802.3/D3.2
    - Considered and responded to 4 comments
  - Proceeded to 3rd Sponsor recirculation ballot
    - Only responses to comments recirculated
    - No changes made to the IEEE P802.3/D3.2 draft
  - Submitted to RevCom for August meeting
    - Submitted under IEEE-SA RevCom convention #6, RevCom policy for Recirculation Ballots in Progress at the Submittal Deadline
- Next steps
  - Consider any comment received on 3rd Sponsor recirculation ballot
- Next meetings
  - IEEE 802.3 September 2012 interim meeting series if required
    - Full details at: http://www.ieee802.org/3/interims/
- Web page
  - http://www.ieee802.org/3/maint/index.html

Version 1.0   IEEE 802.3 closing report – July 2012 Plenary   Page 2

Motion #15	The LMSC Executive Committee grant RevCom submittal conditional approval for IEEE P802.3 (IEEE 802.3bh)
M	Law
Second	D'Ambrosia
Results	(y/n/a) 14/0/0
Motion	Passes

5.04					02:14 PM
5.05	ME	**802.11aj, amendment for Enhancements for Very High Throughput to support one or more of the Chinese 40-50 GHz and 59-64 GHz frequency bands, forward to NesCom**	**Kraemer**	**5**	**02:14 PM**

Kraemer gave update.

802.11 CMMW SG PAR approval motion

802.11 CMMW PAR Approval Motion

- **Approve the PAR content contained in 802.11-12/0948r0 to be submitted to NesCom.**

- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**
- **WG vote on the PAR: 99,0,8**
- **WG vote on 5C in 802.11-12/0141r7: 95,0,6**

Motion #16	Approve the PAR content contained in 802.11-12/0948r0 to be submitted to NesCom.
Moved	Kraemer
Second	Rosdahl
Results	(y/n/a) 14/0/0
Motion	Passes

5.06	ME	802.11ac PAR extension - 2yr extension		Kraemer	5	02:19 PM

Kraemer gave update

P801.11ac PAR extension motion

P802.11ac PAR Extension Motion

- **Approve the PAR extension contained in 11-12/940r0 to be submitted to NesCom.**

- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**
- **Result in the WG: 76,0,0**

Motion #17	Approve the PAR extension contained in 11-12/940r0 to be submitted to NesCom..
Moved	Kraemer
Second	Rosdahl
Results	(y/n/a) 13/0/0
Motion	Passes

5.07	ME	Revision PAR: revision project for 802.11 to continue integrating completed amendments into 802.11-2012.	Kraemer	5	02:24 PM

Kraemer gave update.

Revision PAR approval

- **Approve the PAR contained in https://mentor.ieee.org/802.11/dcn/12/11-12-0594-02-0000-revision-par-proposal-for-802-11-2012.doc be submitted to NesCom.**
- **Result: 61,0,0 - passes**
- **Moved by Dorothy Stanley**
- **Seconded: Stephen McCann**

Submission   Slide 9   Bruce Kraemer, Marvell

Link to revision PAR - https://mentor.ieee.org/802.11/dcn/12/11-12-0939-00-0000-new-revision-proposed-par-for-tgrevmc.pdf

Motion #18	Motion to approve the 802.11 revision PAR as per doc 11-12-0939 r0.	
Moved	Kraemer	
Second	Rosdahl	
Results	(y/n/a)	13/0/0
Motion	Passes	

5.08	ME	802.11ad, amendment, VHT Task Group to RevCom (conditional)	Kraemer	5	02:29 PM

Kraemer gave update.

802.11ad conditional approval to NesCom

Motion requesting conditional approval to send 802.11ad to RevCom

- **Grant conditional approval to forward P802.11ad D9.0 to RevCom.**

- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**
- **Result in the WG: 117,0,0**

- **Supporting material is in 11-12/0885r2**

Motion #19	Grant conditional approval to forward P802.11ad D9.0 to RevCom.	
Moved	Kraemer	
Second	Rosdahl	
Results	(y/n/a)	12/0/0
Motion	Passes	

5.09	ME	802.16.3, new standards for mobile broadband network performance measurements, forward to NesCom	Marks	5	02:34 PM

Marks gave update.

Presented comment resolutions (see next page).

Motion 20	To forward the P802.16.3 PAR ([IEEE 802.16-12-0489-00](#)) to NesCom.
Moved	Marks
Second	Das
Results	(y/n/a) 13/0/0
Motion	Passes

Note: Marks agreed to come to future IEEE 802 EC Opening Plenary meetings and give a report, i.e topics of interest to other working groups.

Marks presented Comment Resolutions

Source	Source Group or Affiliation	Comment File	Comment	Response (Study Group)	Action	Commenter's View of Response
Roger Marks	Consensii LLC; Mobile Pulse, Inc.	802.16-12-0453	multiple	agreed.	Incorporated in revised draft PAR	
David Gell	Cygnus Broadband		Add NGMN status under Mobile-Centric Activities in 5C	agreed.	Incorporated in revised draft PAR	
Paul Nikolich	802 EC Chair	802.16-12-0476	Joint Sponsor observation: I notice MTT/SCIC is not included in this PAR as a Joint Sponsor, which caused me to pose the question in 1b above	noted.		
Paul Nikolich	802 EC Chair	802.16-12-0476	5.2 Scope: This standard specifies procedures for characterizing the performance of deployed mobile broadband networks from a user perspective. It specifies metrics and test procedures as well as communication protocols and data formats allowing a network-based server to coordinate and manage test operation and data collection. Firstly, let me say I support this proposed project; however I'm concerned the long term implications to 802 have not been sufficiently socialized across the 802 community yet. Let me explain. The scope uses the term "deployed mobile broadband networks". I think this is a good general term, that implies networks well beyond 802.16 networks are within the scope of this project (e.g., 802.11, 802.15, 802.22, etc.). Since this work should result in a useful standard which has applicability across multiple 802 technologies (even the wireline technologies), did the WG consider the possibility of this work outgrowing the 802.16WG and eventually result in the establishment of a separate WG continue to refine, extend and develop this work across all 802 (and non-802) network technologies? Beyond circulating the proposed PAR prior to the July plenary session, what has the WG done to socialize the proposed project?	We appreciate the support for the project proposal. We agree that the proposed measurements are not limited to those involving the IEEE Std 802.16 air interface. We expect the result to be broadly applicable. Circulation of the PAR and Five Criteria have been the primary means to inform the other Working Groups of the activity. However, we have also attempted to socialize in 802. The best example we can cite is that the 802.16 Chair requested, and was granted, an opportunity to speak to the 802.11 Closing Plenary in May. There, he specifically noted a contribution to the Study Group relevant to measurements including the 802.11 air interface; members showed interest and requested further information about the contribution. The 802.16 Working Group would like to proceed to develop this project, as proposed. It is open to the possibility that the work could eventually evolve into something that would be better located outside of 802.16, but it believes that it is best positioned to initiate and develop the standard.		Roger, Thank you for the WG and the SG for the responses to my comments, they are acceptable and I fully support the proposed project. EC Members, please take note--since the proposed project breaks new ground for 802 in that it; a) will specify operations at OSI layers not traditionally addressed by 802 standards, and b) has cross-working group applicability, I encourage participation from the wider 802 community with interest in the development of a standard that specifies procedures for characterizing the performance of deployed mobile broadband networks from a user perspective. Regards, --Paul
Jon Rosdahl	802.11	802.16-12-0478	4.2 or 4.3 may have an incorrect date – general rule of thumb is that it takes about 6 months for the fastest start of Sponsor Ballot to submittal to RevCom...	agreed.	Change 4.3 to the next available option in the PAR form: 02/2014	
Jon Rosdahl	802.11	802.16-12-0478	Spell out first use of acronyms in 8.1 – IETF, ITU-T, imap...	agreed. "imap" is already spelled out in use.	In 8.1, change IETF to IETF (Internet Engineering Task Force) and change ITU-T to ITU-T (International Telecommunications Union Standardization Sector)	
Jon Rosdahl	802.11	802.16-12-0478	In 5C -3 please add the "(a)" and "(b)" to indicate the response to the specific questions (similar to what was done in 16q).	agreed.	In 2 Compatibility, add "(a)" before first sentence and "(b)" before fourth sentence	

5.10	ME	802.16q, amendment for multi-tier networks, forward to NesCom	Marks	5	02:39 PM

Marks gave update.

Presented comment resolutions (see next page).

Motion 21	To forward the P802.16q PAR (IEEE 802.16-12-0394-05) to NesCom.
Moved	Marks
Second	Lynch
Results	(y/n/a) 14/0/0
Motion	Passes

Marks presented Comment Resolutions

Document #	Working Group	Commenter	Comment	Response
16-12-0431-00-Shet	IEEE 802 Secretary	John D'Ambrosia	Comment on Distinct Identity Criteria for 802.16q. The beginning of the second sentence talks about "capabilities" and then discusses "it requires". Suggested rewording is provided. Distinct Identity [a] This amendment is unique in its objective of providing enhancements for 802.16 multi-tier access networks. Such capabilities are clearly distinct in terms of what is provided in other standards because it requires tight cooperation. Tight cooperation is required among base stations to provide enhanced interference mitigation, mobility management and base station power management.	Section 3.a of the Five Criteria Document has been modified. The new text is as follows: "[a] This amendment is unique in its objective of providing enhancements for 802.16 multi-tier access networks. Such capabilities are clearly distinct in terms of what is provided in other standards because tight cooperation among enhanced base stations is specified to provide enhanced interference mitigation, mobility management and base station power management."
16-12-0430-00-Shet	IEEE 802.22 Working Group	Apurva N. Mody	Comment: SC suggests that this amendment standard is for licensed-band devices however, this is not clear in the PAR form. It would make sense to clarify in the PAR form that only licensed band devices will be considered for this amendment	Section 8.1 of the PAR Document has been amended as follow: "[8.2b] The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0479-00-Shet	IEEE 802.19 Working Group	Steve Shellhammer	SCOPE: Information Question – We assume this supports Macro and Pico cells. Does this amendment include Femto cells?	Section 8.1 of the PAR Document has been amended as follow: "[8.5 The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells."
16-12-0479-00-Shet	IEEE 802.19 Working Group	Steve Shellhammer	SCOPE: Please elaborate on the term "mechanisms" which seems quite broad. Please be a little more specific. The elaboration could be in the Explanatory Notes section, if that is preferred to putting it in the Scope.	Section 5.2.b of the PAR Document has been modified as follows: "This amendment specifies MAC/PHY protocol enhancements for cooperation among base stations in multi-tier networks to enhance interference mitigation, mobility management, and base station power management. Enhanced base stations shall support legacy mobile stations. PHY changes to any mobile stations are out of scope. In addition, these protocol enhancements include management messaging between base stations, and between base stations and mobile stations."
16-12-0479-00-Shet	IEEE 802.19 Working Group	Steve Shellhammer	SCOPE: Please elaborate on the term "management entities." Is this a MIB or some other management entity? Please be a little more specific. The elaboration could be in the Explanatory Notes section, if that is preferred to putting it in the Scope.	Section 5.2.b of the PAR Document has been modified to delete the sentence regarding management entities. The amendments to the management entities are included as part of the protocol enhancements to the enhanced base stations.
16-12-0479-00-Shet	802.19	Steve Shellhammer	EXPLANATORY NOTES: Please add the Item Number to the Explanation in the Explanatory Notes section.	Item numbers have been added to the Explanations in the Explanatory Notes section. The new text is as follows: "[8.5 The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells. [5.2.i] A 'multi-tier network' is a wireless Metropolitan Area Network (MAN) comprised of macro cells, micro cells, pico cells, and femto cells, typically controlled by the same operator. [5.2.i] The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0477-00-Shet	IEEE 802.11 Working Group		• In 8.1 an item number is required when adding an extra explanation : [Item number and Explanation]"	Item numbers have been added to the Explanations in the Explanatory Notes section. The new text is as follows: "[8.5 The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells. [5.2.i] A 'multi-tier network' is a wireless Metropolitan Area Network (MAN) comprised of macro cells, micro cells, pico cells, and femto cells, typically controlled by the same operator. [5.2.i] The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0477-00-Shet	IEEE 802.11 Working Group		• The statement is not really an Explanation of any item, but rather a statement of an additional requirement that could be part of the Scope of the project statement. This may also be addressed in the SC similar to how 802.16 responded in that case about conformance is 802.16.1.	The following sentence has been removed from Section 8.1 of the PAR Document and appended to Section 5.2.b of the PAR Document: "This amendment shall comply with IEEE Std 802, IEEE Std 802.10, and IEEE Std 802.1Q."
16-12-0475-00-Shet	IEEE 802 Chair	Paul Nikolich	a. 5.2.b. Scope of the project: This amendment specifies mechanisms for cooperation among base stations in multi-tier networks to enhance interference mitigation, mobility management, and base station power management. The applicable management entities are amended. The term "multi-tier networks" is used in several places in the PAR and 5criteria, but it is never defined. In my mind it is an ambiguous term, that needs definition. Only after sitting through Harry Bim's presentation at the tutorial last night, I think I understand what is meant by "multi-tier networks", but am not 100% sure, therefore cannot offer a suggested definition, therefore I suggest the WG craft and add a definition for "multi-tier networks" in 8.1 Additional Explanatory Notes. Perhaps the term is defined in the 802.16 base standard, if so, I suggest you reference that definition.	Section 8.1 of the PAR Document has been amended as follow: "[5.2b] A 'multi-tier network' is a wireless Metropolitan Area Network (MAN) comprised of macro cells, micro cells, pico cells, and femto cells, typically controlled by the same operator."
16-12-0475-00-Shet	IEEE 802 Chair	Paul Nikolich	b. Joint Sponsor question. If MTT/SCC is not actively participating in the development of this amendment project, does it make sense to continue to keep them on the PAR form as a joint sponsor?	The MTT/SCC is listed as a joint sponsor on the PAR Document because they are a joint sponsor of the base standard.

| 5.11 | ME | 802.16p, Forward to RevCom (conditional) | Marks | 5 | 02:44 PM |

Marks gave verbal update.

P802.16p to RevCom: Report for Conditional Approval

20 July 2012

Rules: OM (2012-06-04) Clause 13

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	07 February	08 March
EC Conditional Approval		16 March
WG Sponsor Ballot Recirc #1	05 April	03 May
WG Sponsor Ballot Recirc #2	04 June	19 June

Vote tally including Approve, Disapprove and Abstain votes

114 Approve (98%)

- 2 Disapprove with comment
- 3 Abstain
- Return ratio requirement met: 80%

Comment resolution

	Disapprove Comments	Disapprove Comments in ballot round not yet satisfied	Disapprove Voters with comment in ballot round	Disapprove Voters with comment (total)
SB	1	1	1	1
SB recirc #1	1	1	1	1
SB recirc #2	8	8	1	2

Comments that support the remaining disapprove votes and Working Group responses

- See Following:

Comment #	Name	Vote	Category	Page	Subclause	Line
i-1	Murias, Ronald	Disapprove	Technical	15	6.3.9.5.1	28

Comment   **Disposition Status**

In the baseline document, 6.3.9.5.1, "If the SS does not receive a response, the SS shall resend the RNG-REQ at the next appropriate initial   Rejected
ranging transmission opportunity and adjust its power level."
The large number of devices involved dramatically increase the likelihood of collision and therefore unnecessary power increase on re-
transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit
power on retries when absolutely necessary.

Proposed Change

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

Disposition Detail

Reason: The commenter does not provide a complete remedy.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-1	Murias, Ronald	Disapprove	Technical	15	6.3.9.5.1	63

Comment

Disposition Status

I am dissatisfied with the resolution to comment i-1.In the baseline document, 6.3.9.5.1, "If the SS does not receive a response, the SS shall resend the RNG-REQ at the next appropriate initial ranging transmission opportunity and adjust its power level."The large number of devices involved dramatically increase the likelihood of collision and therefore unnecessary power increase on re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit power on retries when absolutely necessary. The comment was rejected for lack of a complete remedy. A proposed remedy is provided with this comment.

Rejected

Proposed Change

Include a broadcast message from the BS indicating that it has detected energy but was unable to decode a message. This will allow MSs to perform backoff without adjusting transmit power. Proposed text: If the SS does not receive a ranging response from the BS and it detects a broadcast message from the BS indicating that a collision has occurred on the same ranging opportunity as the SS last used, it may assume that its ranging code has collided with ranging codes from one or more other SSs. In this case, the SS randomly selects a new code and ranging opportunity and it may decide not to increase transmit power. If the SS does not receive a RNG-RSP from the BS and it does not receive the broadcast RNG-NAK message, the SS may decide not to increase power if that SS has knowledge that it is a fixed location device.
Proposed message: RNG-NAK

```
+----------------------------+------+-------------------------------------+
| Syntax            | Size |          Notes              |
|----------------------------+------+-------------------------------------+ |
| RNG_NAK_Message_Format() [ |    |                          |
|----------------------------+------+-------------------------------------+
|    Frame            |  4  | Frame that contained the detected collision(s) |
|----------------------------+------+-------------------------------------+
|   Ranging Opportunity    |  ?? | Ranging opportunity in the frame that    |
|                |    | contained the collisions          |
|----------------------------+------+-------------------------------------+
| :              |    |                      |
+----------------------------+------+-------------------------------------+
```

Disposition Detail

Reason: The receiver has two thresholds. One is detection threshold (above noise floor) and Second is decoding threshold (this is higher than the detection threshold).
Case 1:- If there is collision and both the signals are received below the decoding threshold then also receiver cannot be sure of whether it was collision or was it a single signal
Case 2:- If there is collision and both signals are received above the decoding threshold and then the receiver applies correlation to separate the received signals and the signal levels after correlation is below the decoding threshold then the receiver can deduce that collision has occurred but cannot apply the proposed algorithm as transmission power needs to be increased
Case 3:- If there is collision and both signals are received above the decoding threshold and then the receiver applies correlation to separate the received signals and the signal levels after correlation is also above the decoding threshold. This is addressed by existing ranging procedure.

Which case the proposal is meant for is not clear.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-1	Rolfe, Benjamin	Disapprove	Technical	4	6.3.1	57

Comment

Disposition Status

Where is "individual location update" procedure is defined. I don't find it here or in the base standard (though given that it isn't entirely clear what the base standard is at this point, that may be why I could not find it - but I used IEEE P802.16Rev3/D6_Apr 2012)

Revised

Proposed Change

Add cross-reference to where teh procuedre

Disposition Detail

'Individual location update' itself is not defined in the current draft. I think the intent of 'individual location update' is to clarify that the paging message transmitted in the next paging cycle shall include the MS's individual identifier (i.e., MAC address hash) instead of group identifier (i.e., M2MCID).Remedy: Edit as follows:If the BS does not receive an acknowledgement from some of the M2M devices, it may trigger <delete>individual</delete> location update in the next paging cycle of those M2M devices <insert>by sending MOB_PAG-ADV message containing MS MAC Address hash</insert> and it may send a RNG-RSP message containing the new M2MCID to each of them during the <delete>individual</delete> location update procedure.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-2	Rolfe, Benjamin	Disapprove	Technical	4	6.3.1	57

Comment | **Disposition Status**

Where is "individual location update" procedure is defined. I don't find it here or in the base standard (though given that it isn't entirely clear what the base standard is at this point, that may be more...   Revised

Proposed Change

Add a cross reference to where the incividual location update procdure is defined in the base standard or define what the procedure is in this amendment.

Disposition Detail

'Individual location update' itself is not defined in the current draft. I think the intent of 'individual location update' is to clarify that the paging message transmitted in the next paging cycle shall include the MS's individual identifier (i.e., MAC address hash) instead of group identifier (i.e., M2MCID).Remedy: Edit as follows:If the BS does not receive an acknowledgement from some of the M2M devices, it may trigger <delete>individual</delete> location upcate in the next paging cycle of those M2M devices <insert>by sending MOB_PAG-ADV message containing MS MAC Address hash</insert> and it may send a RNG-RSP message containing the new M2MCID to each of them during the <delete>incividual</celete> location updite procedure.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-3	Rolfe, Benjamin	Disapprove	Editorial	8	6.3.2.3.5	18

Comment   **Disposition Status**

The editing instruction isn't very good. It should "the paragraph" makes the user work harder than necessary to figure out what is being   Revised
modified as this is actually the 15th paragraph of the sub-clause.

Proposed Change

Follow IEEE-SA standards practices or editing instructions and specify where in the subclause the text being modified appears, so the SPB trying to use this standard
has a reasonable chance of understanding what s being amended. NOTE: This can be referred to the IEEE professional editors

Disposition Detail

Bring request to the attention of IEEE professional editor.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-4	Rolfe, Benjamin	Disapprove	General	8	6.3.2.3.5	52

Comment   **Disposition Status**

Change the paragraph as indicated doesn't make it easy to figure out what paragraph is being changed.   Revised

Proposed Change

Fix the editing instruction before publication note: can be passed to IEEE professional editors

Disposition Detail

Bring request to the attention of IEEE professional editor.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-5	Rolfe, Benjamin	Disapprove	General	4	6	18

Comment   **Disposition Status**

And numerous places: M2NCID achronym is used but not added to clause 4.   Revised

Proposed Change

Either add M2MCID to clause 4 or replace every instance of M2MCID with "The M2M multicast connection ID" in the amendment

Disposition Detail

Remedy: Insert the following texts on page 3, line 214:

Abbreviations and acronyms:

Insert the following acronyms in alphabetical order

M2MCID: M2M multicast connection identifier
M2M: Machine-to-machine

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-6	Rolfe, Benjamin	Disapprove	General	0	0	0

Comment   **Disposition Status**

The achronym M2M is used many times but not provded in clasue 4 of teh base stanard or by this amendmert.   Revised

Proposed Change

Add achronyms to cluase 4 to be consistent with the base standard.

Disposition Detail

Remedy: Insert the following texts on page 3, line 214:

Abbreviations and acronyms

Insert the following acronyms in alphabetical order

M2MCID: M2M multicast connection identifier
M2M: Machine-to-machine

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-7	Rolfe, Benjamin	Disapprove	Technical	24	6.3.36	20

Comment	Disposition Status
to be consistent with the base standard replace 'T3 timer" with "Ranging response reception timeout (paramter T3 in table 655)" at first reference, and use "Ranging response reception timeout" where you have "T3 timer".	Rejected

Proposed Change

Add achronyms to cluase 4 to be consistent with the base standard.

Disposition Detail

Timer T3 is defined in the baseline standard and is called "T3 timer ". Please, refer to 6.3.10.3.1.2 and Table 655 in IEEE P802.16Rev3/D6_Apr2012.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-8	Rolfe, Benjamin	Disapprove	Technical	41	11.17.5	18

Comment

Disposition Status

You use "M2MCID" as a parameter name here but elsewhere you use it as an achronyme for "The M2M multicast connection ID" in clause 6. Clearly the two are not the same and this leads to confusion everywhere else M2MCID is used as it is not clear which meaning is intended - a field in a TLV (which may contain an identifier value) or the normative function of a stream identifier.

Revised

Proposed Change

Use distinct names.

Disposition Detail

M2MCID is defined as an identifier used to indicate a DL multicast flow or M2M device group associated with the DL multicast flow, and it is delivered to an M2M device as a content of M2MCID TLV in MOB_PAG-ADV message or M2MCID Update TLV in RNG-RSP message. So, the meaning of M2MCID is same as value included in M2MCID TLV or M2MCID update TLV. We would like to propose some modifications to clarify it. In our modifications, 'M2MCID' is used to indicate a normal ID or value included in M2MCID TLV and M2MCID update TLV and 'M2MCID TLV' and 'M2M update TLV' are used to indicate a parameter itself included in MAC control message.

Remedy #1: Change texts on page 4, line 40 as follows: When the M2M device performs the timer based location update, if the BS needs to update the M2MCID of M2M device, the BS may send a RNG-RSP message with <insert>an M2MCID Update TLV which contains</insert> a new M2MCID <insert>value</insert> in response to the RNG-REQ message. A BS may use the MOB_PAG-ADV message to indicate the update of the M2MCID and its new value to all the M2M devices in a group. When an idle mode M2M device that belongs to the M2M device group (identified by its M2MCID) receives a paging message containing an M2MCID <insert>TLV</insert>identifying one of its service flows and an Action Code TLV with value set to 0b11, this M2M device shall update the M2MCID based on the value indicated by M2MCID Re-assignment TLV (see 11.17.5).After receiving the updated M2MCID value, the M2M device shall send an acknowledgement (ACK) to the BS. If the BS does not receive an acknowledgement from some of the M2M devices, it may trigger individual location update in the next paging cycle of those M2M devices and it may send a RNG-RSP message <insert>with an M2MCID Update TLV</insert>containing the new M2MCID to each of them during the individual location update procedure.

Remedy #2: Change texts on page 17, line 49 as follows: If the M2M network access type TLV is set to '0b00', the M2M device does not need to send initial ranging code. When the M2M device receives group paging message (i.e., the MOB_PAG-ADV with M2MCID <insert>TLV</insert>) and M2M network access type TLV (i.e., 0: Resource allocation for RNG-REQ), it starts to monitor the UL-MAP IE containing a Fast Ranging IE to obtain the resource of RNG-REQ message at 'UL MAP start offset for RNG-REQ' during the 'Resource monitor timer'. 'Resource monitor timer' starts in the frame where the M2M device expects to receive the Fast Ranging IE. If the M2M device does not decode the Fast Ranging IE until the expiration of the 'Resource monitor timer', it performs ranging for network re-entry using the ranging resources defined as specified in 6.3.10.3.

Schedule for recirculation ballot and resolution meeting

- Recirculation #3: 15 day, stared 17 July 2012
- Comment Resolution Teleconference: 6 August 2012 (if necessary)
- Confirmation Ballot (if necessary): 15 day, beginning approximately August 13, 2012

802.16 WG Motion

802.16 Opening Plenary: 2012-07-16

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

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

LMSC Motion

- To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16p to RevCom

- Moved:

- Seconded:

- Approve:

- Disapprove:

- Abstain:

Motion 22	Motion: To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16p to RevCom.	
Moved	Marks:	
Second	Lynch	
Results	(y/n/a)	14/0/0
Motion	Passes	

5.12	ME	802.16.1b, Forward to RevCom (conditional)	Marks	5	02:49 PM

Marks gave update.

P802.16.1b to RevCom: Report for Conditional Approval

20 July 2012

Rules: OM (2012-06-04) Clause 13

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	07 February	08 March
EC Conditional Approval	16 March	
WG Sponsor Ballot Recirc #1	05 April	03 May
WG Sponsor Ballot Recirc #2	04 June	19 June

Vote tally including Approve, Disapprove and Abstain votes

114 Approve (98%)

- 2 Disapprove with comment
- 2 Abstain
- Return ratio requirement met: 89%

Comment resolution

	Disapprove Comments	Disapprove Comments in ballot round not yet satisfied	Disapprove Voters with comment in ballot round	Disapprove Voters with comment (total)
SB	8	1	1	1
SB recirc #1	20	20	2	2
SB recirc #2	8	8	1	2

Comments that support the remaining disapprove votes and Working Group responses

- See Following:

Comment #	Name	Vote	Category	Page	Subclause	Line
-1	Murias, Ronald	Disapprove	Technical	69	6.3.8.4.4	50

Comment | **Disposition Status**

In the baseline document, 6.3.8.4.4, "If AMS does not receive a response, it may increase its power level by PIR, Step and may send a new initial ranging code, where PIR, Step is the step size to ramp up, which is 2 dB. AMS could further increase the power until maximum transmit power is reached. "The large number of devices involved dramatically increase the likelihood of collision and therefore unnecessary power increase on re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit power on retries when absolutely necessary.

Rejected

Proposed Change

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

Disposition Detail

Reason: No complete remedy is provided.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-1	Murias, Ronald	Disapprove	Technical	69	6.3.8.4.4	50

Comment   **Disposition Status**

I am dissatisfied with the resolution to comment i-1. The comment was rejected for lack of proposed remedy. A proposed remedy is   Rejected
included with this comment. In the baseline document, 6.3.8.4.4, "If AMS does not receive a response, it may increase its power level by PIR,
Step and may send a new initial ranging code, where PIR, Step is the step size to ramp up, which is 2 dB. AMS could further increase the
power until maximum transmit power is reached. "The large number of devices involved dramatically increase the likelihood of collision and
therefore unnecessary power increase on re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to
collision so that it only increases transmit power on retries when absolutely necessary.

Proposed Change

Include a broadcast message from the BS indicating that it has detected energy but was unable to decode a message. This will allow MSs to perform backoff without
adjusting transmit power.
Proposed text: If the SS does not receive a ranging response from the BS and it detects a broadcast message from the BS indicating that a collision has occurred on
the same ranging opportunity as the SS last used, it may assume that its ranging code has collided with ranging codes from one or more other SSs. In this case, the
SS randomly selects a new code and ranging opportunity and it may decide not to increase transmit power. If the SS does not receive a RNG-RSP from the BS and it
does not receive the broadcast RNG-NAK message, the SS may decide not to increase power if that SS has knowledge that it is a fixed location device.
Proposed message AAI-RNG-NAK

```
+---------------------------+-----+----------------------------------+
| Syntax           | Size |           Notes              |
| ---------------------------+-----+-----------------------------------+ |
| RNG-NAK_Message_Format() {  |     |                          |
| ---------------------------+-----+-----------------------------------+ |
| Frame            | 4  | Frame that contained the detected collision(s) |
| ---------------------------+-----+-----------------------------+
| Ranging Opportunity     | ?? | Ranging opportunity in the frame that   |
|                  |     | | contained the collisions        |
|                  |     |                          |
| }               |     |                          |
+---------------------------+-----+-----------------------------------+
```

Disposition Detail

Reason: The receiver has two thresholds. One is detection threshold (above noise floor) and Second is decoding threshold (this is higher than the detection
threshold).
Case 1.- If there is collision and both the signals are received below the decoding threshold then also receiver cannot be sure of whether it was collision or was it a
single signal
Case 2:- If there is collision and both signals are received above the decoding threshold and then the receiver applies correlation to separate the received signals and
the signal levels after correlation is below the decoding threshold then the receiver can deduce that collision has occurred but cannot apply the proposed algorithm
as transmission power needs to be increased
Case 3:- If there is collision and both signals are received above the decoding threshold and then the receiver applies correlation to separate the received signals and
the signal levels after correlation is also above the decoding threshold. This is addressed by existing ranging procedure.

Which case the proposal is meant for is not clear.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-2	Rolfe, Benjamin	Disapprove	General	1	0	31

Comment

Disposition Status

Not clear what this amendment is amending. I beleive this requires updating: "NOTE-The editing instructions contained in this amendment define how to merge the material contained herein into the existing base standard IEEE Std 802.16-2009 as amended by IEEE Std 802.16j, IEEE Std 802.16h, and IEEE 802.16m"

Revised

Proposed Change

Verify that this the correct description or update as needed.

Disposition Detail

Resolution: Change texts on page 1, line 31 as follows]NOTE-The editing instructions contained in this amendment define how to merge the material contained herein into the existing base standard <delete>IEEE Std 802.16-2009 as amended by IEEE Std 802.16j, IEEE Std 802.16h, and IEEE 802.16m</delete> <insert>IEEE Std 802.16<,insert>. The editing instructions are shown in bold italic. Four editing instructions are used: change, delete, insert, and replace. Change is used to make small corrections in existing text or tables. The editing instruction specifies the location of the change and describes what is being charged by using strike through (to remove old material) and underscore (to add new material). Delete removes existing material. Insert adds new material without disturbing the existing material. Insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. Replace is used to make large changes in existing text, subclauses, tables, or figures by removing existing material and replacing it with new material. Editorial notes will not be carried over into future editions because the charges will be incorporated into the base standard.<insert>Editor's note: The baseline of the draft amendment is P802.16.1/D6 (April 2012). When published, the baseline should be updated to reflect the numbering of the current approved version.</insert>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-3	Rolfe, Benjamin	Disapprove	General	2	1	7

Comment	Disposition Status
"add" is not a valid editing instruction. According to what is on page 1 the choices are "change, delete, insert, and replace".	Revised

This occurs a lot throughout the document. PLEASE FIX ALL INCORRECT EDITING INSTRUCTIONS.

Proposed Change

Use correct editing instructions.

Disposition Detail

Resolution: Remove the underscore in texts from page 2, line 10 to page 6, line 6.
Remove the underscore in texts from page 6, line 48 to page 8, line 54.
Replace the editing instruction on page 35, line 26 by 'Insert the following text at the end of subcluase 6.2.3.47.1'
Remove the underscore in texts from page 35, line 28 to page 40, line 17.
Replace the editing instruction on page 37, line 37 by 'Chage Table 86 as indicated'
Replace the editing instruction on page 38, line 16 by 'Chage Table 87 as indicated'
Remove the underscore in texts from page 41, line 26 to page 47, line 58.
Remove the underscore in texts from page 48, line 23 to page 59, line 36.
Remove the underscore in texts from page 63, line 14 to page 63, line 16.
Remove the underscore in texts from page 65, line 23 to page 69, line 15.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-4	Rolfe, Benjamin	Disapprove	General	2	1	12

Comment   **Disposition Status**

If by "add" you mean "insert" which would be appropriate for a new subclause, you will note that according to what you include on Page 1   Revised
the newly inserted subclause should not be underlined. This error is repeated all over the document.

Proposed Change

Use correct editing instructions.

Disposition Detail

Resolution:
Remove the underscore in texts from page 2, line 10 to page 6, line 6.
Remove the underscore in texts from page 6, line 48 to page 8, line 54.
Replace the editing instruction on page 35, line 26 by 'Insert the following text at the end of subcluase 6.2.3.47.1'
Remove the underscore in texts from page 35, line 28 to page 40, line 17.
Replace the editing instruction on page 37, line 37 by 'Chage Table 86 as indicated'
Replace the editing instruction on page 38, line 16 by 'Chage Table 87 as indicated'
Remove the underscore in texts from page 41, line 26 to page 47, line 58.
Remove the underscore in texts from page 48, line 23 to page 59, line 36.
Remove the underscore in texts from page 63, line 14 to page 63, line 16.
Remove the underscore in texts from page 65, line 23 to page 69, line 15.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-5	Rolfe, Benjamin	Disapprove	General	3	3.151	19

Comment   **Disposition Status**

Defintion is STILL wrong. Should not contain explanatory text or requirements. "One or more features may be needed to support an   Accepted
application." is obviously not part of the definition.

Proposed Change

Delete "One or more features may be needed to support an application."

Disposition Detail

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-6	Rolfe, Benjamin	Disapprove	Technical	3	3.15	16

Comment   **Disposition Status**

Definition is STILL wrong. 'The M2M server runs M2M applications and provides M2M specific services for one or more M2M devices.' is not   Revised
part of the definition but sounds like a normative requirement.

Proposed Change

Delete "The M2M server runs M2M applications and provides M2M specific services for one or more M2M devices." from definition and move to appropriate
normative clause

Disposition Detail

Resolution:
<delete>3.152</delete><insert>3.54</insert> Machine-to-Machine (M2M) communication: Information exchange between user devices through a Base Station, or
between a device and a server in the core network through a Base Station that may be carried out without any human interaction.
<delete>3.152</delete><insert>3.55</insert> M2M ASN: An Access Service Network that supports M2M service
<delete>3.152</delete><insert>3.56</insert> M2M device: An MS that is capable of providing M2M communication
<delete>3.150 M2M server: An entity that communicates with M2M devices. The M2M server runs M2M applications and provides M2M specific services for one or
more M2M devices
</delete><delete>3.151</delete><insert>3.57</insert> M2M feature: A unique characteristic of an M2M application. One or more features may be needed to
support an application.
<delete>3.152</delete><insert>3.58</insert> M2M device group: A group of M2M devices that share one or more features in common

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-7	Rolfe, Benjamin	Disapprove	Editorial	4	6.2.1.2.1	17

Comment Disposition Status

As stated on Page 1, when INSERT is the instruction (rather than change), the new text is not underlined. Revised

Proposed Change

Do what you said you were going to do. The new text falling the "change" instruction is not underlined.,

Disposition Detail

Resolution:
Remove the underscore in texts from page 2, line 10 to page 6, line 6.
Remove the underscore in texts from page 6, line 48 to page 8, line 54.
Replace the editing instruction on page 35, line 26 by 'Insert the following text at the end of subcluase 6.2.3.47.1'
Remove the underscore in texts from page 35, line 28 to page 40, line 17.
Replace the editing instruction on page 37, line 37 by 'Chage Table 86 as indicated'
Replace the editing instruction on page 38, line 16 by 'Chage Table 87 as indicated'
Remove the underscore in texts from page 41, line 26 to page 47, line 58.
Remove the underscore in texts from page 48, line 23 to page 59, line 36.
Remove the underscore in texts from page 63, line 14 to page 63, line 16.
Remove the underscore in texts from page 65, line 23 to page 69, line 15.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-8	Rolfe, Benjamin	Disapprove	General	4	6	1

Comment

All throught this caluse the editing instructions are wrong.

Disposition Status

Revised

Proposed Change

Fix editing instructions THROUGHOUT the document.

Disposition Detail

Resolution:
Resolution: Remove the underscore in texts from page 2,. line 10 to page 6, line 6.Remove the underscore in texts from page 6, line 48 to page 8, line 54.Replace the editing instruction on page 35, line 26 by 'Insert the following text at the end of subcluase 6.2.3.47.1' Remove the underscore in texts from page 35, line 28 to page 40, line 17.Replace the editing instruction on page 37, line 37 by 'Chage Table 86 as indicated' Replace the editing instruction on page 38, line 16 by 'Chage Table 87 as indicated' Remove the underscore in texts from page 41, line 26 to page 47, line 58.Remove the underscore in texts from page 48, line 23 to page 59, line 36.Remove the underscore in texts from page 63, line 14 to page 63, line 16.Remove the underscore in texts from page 65, line 23 to page 69, line 15.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-9	Rolfe, Benjamin	Disapprove	General	8	6.2.3	60

Comment
Disposition Status

"Modify" is not one of the editing instructions listed on Page 1. This error occurs in many places in the document. My *guess* is that "Change" is meant.

Revised

Proposed Change

Fix editing instructions EVERYWHERE.

Disposition Detail

Resolution:
Change 'Add' in all editing instructions to 'Insert' throughout the draft.
Change 'Modify' in all editing instructions to 'Change' throughout the draft

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-10	Rolfe, Benjamin	Disapprove	Technical	11	6.2.3.1	31

Comment   **Disposition Status**

Bandwidth Request Size condition is given as "Optional". Under what conditions is it included?   Revised

Proposed Change

Complete the specification of condition.

Disposition Detail

Resolution:
Adopt remedies proposed in IEEE 802.16-12-0356-01-010b <https://mentor.ieee.org/802.16/dcn/12/16-12-0356-01.docx>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-11	Rolfe, Benjamin	Disapprove	Technical	14	6.2.3.8	51

Comment   **Disposition Status**

"as needed" is not a very obvious condition. Is this meant that the field is SET as needed, or it is PRESENT as needed?   Revised

Proposed Change

Replace with valid normative text.

Disposition Detail

Resolution:
Adopt remedies proposed in IEEE 802.16-12-0356-01-010b <https://mentor.ieee.org/802.16/dcn/12/16-12-0356-01.docx>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-12	Rolfe, Benjamin	Disapprove	Technical	14	6.2.3.8	51

Comment

Disposition Status

"as needed" is not a very obvious condition. Is this meant that the field is SET as needed, or it is PRESENT as needed?

Revised

Proposed Change

Replace with valid normative text.

Disposition Detail

Resolution:
Adopt remedies proposed in IEEE 802.16-12-0356-01-010b <https://mentor.ieee.org/802.16/dcn/12/16-12-0356-01.docx>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-13	Rolfe, Benjamin	Disapprove	Technical	13		14

Comment   **Disposition Status**

"as needed" is not a very obvious condition. Is this meant that the field is SET as needed, or it is PRESENT as needed?   Revised

Proposed Change

Clarify

Disposition Detail

Resolution:
Adopt remedies proposed in IEEE 802.16-12-0356-01-010b <https://mentor.ieee.org/802.16/dcn/12/16-12-0356-01.docx>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-14	Rolfe, Benjamin	Disapprove	General	15	6.2.3.9	40

Comment   **Disposition Status**

Another "as needed".   Revised

Proposed Change

Specify when the field is needed.

Disposition Detail

Resolution:
Adopt remedies proposed in IEEE 802.16-12-0356-01-010b <https://mentor.ieee.org/802.16/dcn/12/16-12-0356-01.docx>

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-15	Rolfe, Benjamin	Disapprove	Technical	27	6.2.3.23	25

Comment   **Disposition Status**

Field length is TBD.   Revised

Proposed Change

Complete specification of field.

Disposition Detail

Resolution:
Set the value of the following 2 parameters in AAI-PAG-ADV message to 8 bits. - "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 27, line 25)- "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 29, line 49)

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-16	Rolfe, Benjamin	Disapprove	Technical	29	6.2.3.23	49

Comment   **Disposition Status**

Field size is TBD. Dedicated Channel Allocation Timer.   Revised

Proposed Change

Complete specification of field.

Disposition Detail

Resolution:
Set the value of the following 2 parameters in AAI-PAG-ADV message to 8 bits. - "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 27, line 25)- "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 29, line 49)

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-17	Rolfe, Benjamin	Disapprove	Technical	39	6.2.3.65	62

Comment   **Disposition Status**

Another TBD.   Revised

Proposed Change

Specify missing value.

Disposition Detail

Resolution:
Replace 'TBD' by "4'

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-18	Rolfe, Benjamin	Disapprove	Editorial	65	6.3.5.5.2.4.14.1	33

Comment   **Disposition Status**

"The MSB 4" incorrect language. MSB is generaly known to mean Most Significant Bit. Spell it out as "most signficant 4 bits" or "4 most signficiant bits" if that is what you mean. If you mean something else then change the comment category to "Technical" and clarify.   Revised

Proposed Change

See comment

Disposition Detail

Resolution:
The fixed M2M device with FMDID shall apply the 16-bit CRC mask with masking prefix = 0b0, message type indicator = 0b011, and masking code = <delete>LSB</delete><insert>least significant </insert>12 bits of FMDID to decode the assignment A-MAP IE. The <delete>MSB</delete><insert>most significant </insert> 4 bits of FMDID <delete>is<delete><insert>are </insert> included in Fixed M2M Ranging Assignment A-MAP IE.The fixed M2M device with DID shall apply the 16-bit CRC mask with masking prefix = 0b0, message type indicator = 0b011, and masking code = <delete>LSB</delete><insert>least significant </insert> 12 bits of DID to decode the assignment A-MAP IE. The <delete>MSB</delete><insert>most significant </insert> 6 bits of DID and paging cycle are included in Fixed M2M Ranging Assignment A-MAP IE.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-19	Rolfe, Benjamin	Disapprove	General	0	6	0

Comment	Disposition Status
This draft does not comply with the 2012 IEEE Standards Style Manual. Refer to 12. Numbering the clauses and subclauses of a standard "Five numbers separated by decimal points is the maximum acceptable subdivision (e.g., 5.1.1.1.1). If necessary, the material should be reorganized to avoid subdivisions beyond this point."	Rejected

Proposed Change

Reorganize the material to avoid subdivisions beyond the 5 levels allowed for IEEE-SA standards.

Disposition Detail

Reason:
The numbering system in the amendment is devised to match that of the baseline standard(802.16m-2011, now 802.16.1/D6), which was itself developed in accordance with IEEE editorial staff. The baseline standard has been reviewed by IEEE editorial staff during editorial coordination.

Comment #	Name	Vote	Category	Page	Subclause	Line
r01-20	Rolfe, Benjamin	Disapprove	General	0	0	0

Comment   **Disposition Status**

You have an amendment being balloted that amends a standard also being balloted. Thd makes it very difficult to review completely. To   Revised
compound the challenge, this draft seems to be amending an earlier draft of 802.16.1. Further,   As it stands it is not possible to determine
what the resulting, amended standard actaully contains. This is futher compounded by the fact this draft is not technically complete
(contains TBDs). T

Proposed Change

Suspend the balloting of the amendment until the thing being amended is complete, and the WG has a technically complete draft (without TBDs) to proivde to the
voters for review.

Disposition Detail

Resolution:
Set the value of the following 2 parameters in AAI-PAG-ADV message to 8 bits. - "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 27, line
25)- "Dedicated Channel Allocation Timer" in AAI-PAG-ADV message (i.e., page 29, line 49)

Reason:
We agree that any issues of incompleteness need to be addressed. We believe that the new draft is technically complete. We do not agree with the need to defer
balloting until the baseline standard is complete. The baseline standard is mature and stable. With each ballot round, the current draft of the baseline is available to
the ballot group.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-1	Rolfe, Benjamin	Disapprove	General	0	0	0

Comment   **Disposition Status**

The resolution to comment r01-20 is not complete. The balloted draft still appears to be referenced to a prior version of the draft of the base   Rejected
standard being amended ant it remains impossible to complete a review of the reuslting standard with the information available from the
working group

Proposed Change

Fully implement the proposed resolution to r01-20 from prior ballot.

Disposition Detail

Reason:
As noted on Page 1, "The baseline of the draft amendment is P802.16.1/D6 (April 2012). When published, the baseline should be updated to reflect the numbering
of the current approved version." This baseline P802.16.1/D6 was provided to the ballot group and has been approved as IEEE Std 802.16.1 by the IEEE-SA Standards
Board on 8 June 2012.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-2	Rolfe, Benjamin	Disapprove	General	0	6	0

Comment   **Disposition Status**

The resolution to r01-19 is, to be polite, absurd and insulting to the sponsor balloters. The argument is that an unapproved draft, which has   Rejected
coments submitted pointing out that it is not in compliance with IEEE-SA Standards requirements, is the rationalization for this draft being
not in compliance with the IEEE-SA requirements.

Proposed Change

Suspend balloting of this amendment until a valid base standard that conforms to IEEE-SA requiremetns to amend.

Disposition Detail

Reason:
The comment refers to r01-19, which addressed the clause numbering system. The numbering system in the amendment is consistent with that of the baseline
(P802.16.1/D6) which was approved as IEEE Std 802.16.1 by the IEEE-SA Standards Board on 8 June 2012. If we change the numbering system in this amendment,
then there will be inconsistency between this amendment and the approved baseline standard.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-3	Rolfe, Benjamin	Disapprove	Technical	0	6	0

Comment	Disposition Status

Comment

Editing instructions are still well screwed up many places.
Page 1 explains to the user of the amendment how to apply the content to the base standard. As it stands, the edinting instructions being wrong, the draft is not technically complete as normative requirements are not clearly stated many places. This should not be balloted until it is presented as a valid amendment

Rejected

Proposed Change

Correct editing instructiosn so as to be consistent with the description on page 1 and comply with the IEEE-SA 2012 Standard Style Manual
 or
 withdraw draft from ballot ans start again. when it is ready

Disposition Detail

Reason:
We believe that the editing instructions are clear and consistent.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-4	Rolfe, Benjamin	Disapprove	Technical	17	6.2.3.2	40

Comment	Disposition Status
"needs to be updated' is not a complete specification of when the field is present. Perhaps a cross reference will help, if in fact there is normative text that explains when the MGID needs to be updated. You use this same phrase several places. A valid condition would be for exmaple presence of another field, or determined by the value of a MIB attribute, or perhaps by some other normative condition described elsewhere in the text (such as when incldued as part of a specific procedure) in which case an xref can help.	Revised

Proposed Change

Specify the conditions as if you expect someone to attempt to implement the standard. See comment for suggestions,.

Disposition Detail

Remedy #1: Change the condition for 'M2M-Group-Zone-Index' in Table 31 (page 12, line 55) as follows:
Shall be present when MGID needs to be updated during location update or network reentry <insert>(see 6.2.1.3.1) </insert>if ABS is part of more than one M2M Group Zone

Remedy #2: Change the condition for MGID-related parameters in Table 31 (page 13, line 5) as follows:
Shall be present if MGID needs to be updated <insert>(see 6.2.1.3.1) </insert>

Remedy #3: Change the condition for MGID in Table 89 (page 39, line 40) as follows:
Shall be included by an ABS if MGID needs to be changed<insert>(see 6.2.1.3.1) </insert>

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-5	Rolfe, Benjamin	Disapprove	Technical	25	6.2.3.22	17

Comment	Disposition Status
"Values 0x08-0x10 may shall be applied to M2M devices only." is a null statement and thus not a valid normative rquirement. See 3.56 and 3.54 - any device may be an M2M device.	Revised

Proposed Change

Delete condition.

Disposition Detail

Remedy #1: Delete the content of 'Condition' column for 'Paging cycle' row in Table 51 (page 19, line 12)

Remedy #2: Delete the content of 'Condition' column for 'Paging cycle' row in Table 51 (page 21, line 15)

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-6	Rolfe, Benjamin	Disapprove	General	25	6.2.3.22	40

Comment   **Disposition Status**

Seems like soem words are missing: "and an ABS sets a value longer than 2048 superframe to paging offset of an M2M device".   Revised

Proposed Change

Not sure because i can't even make a good guess at what that means.

Disposition Detail

Remedy:
Change the content of the 'Condition' column for the 'M2M paging offset' row in Table 51 (page 19, line 33) as follows:

Shall be present when the Paging cycle value is set to 0x08, 0x09, or 0x10 and <insert>the paging offset of an M2M device is set to </insert><delete>an ABS sets</delete> a value longer than 2048 superframe<insert>s</insert> <delete>to paging offset of an M2M device</delete>.

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-7	Rolfe, Benjamin	Disapprove	General	27	6.2.3.22	60

Comment

"Shall be present when the ABS assigns additional paging offset to the M2M device" seems to be repeating the field description.

Disposition Status

Revised

Proposed Change

clarify

Disposition Detail

Remedy: Change content of the 'Condition' column for the 'Second paging offset' row in Table 51 (page 21, line 37) as follows:

Shall be present when the<delete>ABS assigns additional</delete><insert>second</insert> paging offset<insert>is assigned</insert> to the M2M device <insert>(see 6.2.18.7.1)</insert>

Comment #	Name	Vote	Category	Page	Subclause	Line
r02-8	Rolfe, Benjamin	Disapprove	Technical	28	6.2.3.22	5

Comment   **Disposition Status**

"and the ABS sets a value longer than 2048 superframe to paging offset of an M2M device" again.   Revised

Proposed Change

Complete specification of the condition

Disposition Detail

Remedy: Change content of the 'Condition' column for the 'M2M paging offset' row in Table 51 (page 21, line 42) as follows:

Shall be present when the Paging cycle value is set to 0x08, 0x09, or 0x10 and <insert>the paging offset of an M2M device is set to </insert><delete>an ABS sets</delete> a value longer than 2048 superframe <delete>to paging offset of an M2M device</delete>

Schedule for recirculation ballot and resolution meeting

- Recirculation #3: 15 day, stared 17 July 2012
- Comment Resolution Teleconference: 6 August 2012 (if necessary)
- Confirmation Ballot (if necessary): 15 day, beginning approximately August 13, 2012

802.16 WG Motion

802.16 Opening Plenary: 2012-07-16

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

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

LMSC Motion

- To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16.1b to RevCom
- Moved:
- Seconded:
- Approve:
- Disapprove:
- Abstain:

Motion 23	Motion: To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16.1b to RevCom.	
Moved	Marks	
Second	Mody	
Results	(y/n/a)	14/0/0
Motion	passes	

Marks gave update

P802.16n to Sponsor Ballot: Conditional Approval Request

20 July 2012

Rules: OM (2012-06-04) Clause 13

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.

Dates the ballots closed

Stage	Open	Close
WG Letter Ballot #37	5 Feb	6 Mar 2012
WG Recirc #37a	5 Apr	4 May 2012
WG Recirc #37b	8 Jun	9 Jul 2012

Vote tally including Approve, Disapprove and Abstain votes

42 Approve (97.7%)

- 1 Disapprove with comment
- 0 Disapprove without comment
- 5 Abstain
- Return ratio requirement met (55%)

Comment resolution

Disapprove comment status

Working Group Letter Ballot #37

    1 disapprove comment. Member changed vote to approve in LB #37a

Working Group Recirculation Letter Ballot #37a

    5 disapprove comments by one member. Member did not submit a new vote on LB 37b

Working Group Recirculation Letter Ballot #37b

    0 disapprove comments.

Disapprove Comment Details

Comment Text	Comment #	Decision	Resolution Description
The definiton of Coexistence is not clear. 1) The definition says: "… same radio frequency channel …'. Is it intended that several systems in a same vicinity sharing a same radio frequency are not coexistent if they use different channels? 2) What is the extent of a communications system? The defintion 3.237 (Self-coexistence) references "coexistence of multiple HR cells". Is a HR cell a system? Or is "coexistence of multiple HR cells something different? If so, what? 3) The "mother" standard 802.16Rev3 already defines coexistence. Are the two consistent? Can one be deleted in favor of the other? What happens when this amendment is merged into the standard 802.16; will the two definitions be able to coexist (pun intended)?	103	Superceded	Superceded - affected parts have been removed by 101.
The definiton of Self-coexistence is not clear. What does "coexistence of multiple HR cells" mean? What about non-HR-cells?	104	Superceded	Self-Coex not in 16n draft.
The definite article ("the") or the indefinite article ("a' or "an") is missing in many, many places; too many to mention them all and too many to be acceptable for a publication.	150	Rejected	Reason: Incomplete Remedy Note: The editors will implement clean-up for next draft revision.
Bit 5 is already taken by 8C2.16Rev3, as shown in Clause 6.3.2.3.5, although Clause 11.5 fails to show it . Bits 5-7 are also taken by P802.16p.	107	Superceded	Superceded by 105. After discussion with M2M TG, it is decided that: Bit 5 is already used in Rev3, Bit 6 will be used for 16n for ranging request, and bit 7 will be used by 16p for power down reporting. The contribution 300r1 (part of comment 105) is correct as submitted, and resolves this comment.
This clause is too terse. It does not specify which messages are exchanged, whether there are any timers involved, what happens if one HR-MS receives the message from the HR-BS and the other does not, or if the HR-BS does not receive a response from one of the HR-MS. Furthermore, what does: "The HR-MS shall reply with reasons to HR-BS when it receives the link deletion request from HR-BS." mean? Which TLV or field does "reasons' refer to?	141	Rejected	No remedy was provided

Schedule for recirculation ballot

- Ballot Group formation is completed
- 15 day WG Confirmation Ballot (approximately 27 July 2012 to 11 August 2012)
- if conditions met:
  - 30-day Sponsor Ballot (approximately 13 Aug – 10 Sept 2012)
- else
  - Comment resolution followed by recirc

802.16 WG Motion

802.16 Closing Plenary: 2012-07-19

Motion: "To request EC Conditional approval to forward Draft P802.16n/D4 to Sponsor Ballot"

- Proposed: Tim Godfrey
- Seconded: Eunkyung Kim
- Approved 14-0-0

LMSC Motion

- To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16n for Sponsor Ballot
- Moved:
- Seconded:
- Approve:
- Disapprove:
- Abstain:

Motion 24	Motion: To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16n for Sponsor Ballot.	
Moved	Marks	
Second	Rosdahl	
Results	(y/n/a)	14/0/0
Motion	Passes	

5.14	ME	802.16.1a, Forward to Sponsor Ballot (conditional)	Marks	5	02:59 PM

Marks gave update.

P802.16.1a to Sponsor Ballot: Conditional Approval Request

20 July 2012

Rules: OM (2012-06-04) Clause 13

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.

Dates the ballots closed

Stage	Open	Close
WG Letter Ballot #38	5 Feb	6 Mar 2012
WG Recirc #38a	5 Apr	4 May 2012
WG Recirc #38b	8 Jun	9 Jul 2012

Vote tally including Approve, Disapprove and Abstain votes

43 Approve (100%)

- 0 Disapprove with comment
- 0 Disapprove without comment
- 6 Abstain
- Return ratio requirement met (56%)

Comment resolution

Disapprove comment status

Working Group Letter Ballot #38

   0 disapprove

Recirculation Letter Ballot #38a

   0 disapprove

Recirculation Letter Ballot #38b

   0 disapprove

Schedule for recirculation ballot

- Ballot Group formation is completed
- 15 day WG Confirmation Ballot (approximately 27 July 2012 to 11 August 2012)
- if conditions met:
  - 30-day Sponsor Ballot (approximately 13 Aug – 10 Sept 2012)
- else
  - Comment resolution followed by recirc

802.16 WG Motion

802.16 Closing Plenary: 2012-07-19

Motion: "To request EC Conditional approval to forward
Draft P802.16.1a/D4 to Sponsor Ballot"

- Proposed: Tim Godfrey
- Seconded: Eunkyung Kim
- Approved 14-0-0

LMSC Motion

- To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16.1a for Sponsor Ballot
- Moved:
- Seconded:
- Approve:
- Disapprove:
- Abstain:

Motion 25	To grant conditional approval, per Clause 13 of the IEEE 802 Operations Manual, to forward P802.16.1a for Sponsor Ballot.
Moved	Marks
Second	Kraemer
Results	(y/n/a) 14/0/0
Motion	Passes

Break @ 3:08PM
Reconvene @ 3:13PM

5.15					03:04 PM

6.00		**Executive Committee Study Groups, Working Groups, TAGs**			03:04 PM

6.01	MI	**IEEE 802.3 Next Gen 40 and 100 Gb/s Optical Ethernet Study Group (3rd extension)**	Law	5	03:04 PM

Law gave update.

IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group

- Study Group closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_ng100goptx_close_report.pdf
- Progress
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on August NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bm meeting September 2012
  - Assuming PAR approval at August SASB meeting
    - If not will meet as IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group
  - Full details at: http://www.ieee802.org/3/interims/
- Web page:
  http://www.ieee802.org/3/100GNGOPTX/index.html

Motion 26	The LMSC Executive Committee grants an extension to the IEEE 802.3 Next Generation 40Gb/s and 100 Gb/s Optical Ethernet Study Group
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 10/0/0
Motion	Passes

Law gave update.

IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group

- Study Group closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_epoc_close_report.pdf
- Progress
  - Heard 20 presentations (including 3 in Chinese!)
  - Objectives unchanged from May meeting
  - PAR and 5 Criteria approved by IEEE 802 Executive Committee
  - PAR on August NesCom agenda
- Study Group chartered for six more months
  - Backup if PAR not approved at August SASB meeting
- First IEEE P802.3bn meeting September 2012
  - Assuming PAR approval at August SASB meeting
    - If not will meet as IEEE 802.3 EPoC PHY Study Group
  - Full details at: http://www.ieee802.org/3/interims/
- Web page:
  http://www.ieee802.org/3/epoc/index.html

Motion 27	The LMSC Executive Committee grants an extension to the IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 10/0/0
Motion	Passes

Approved with approval of agenda.

IEEE 802.3 Reduced Twisted Pair 1 Gb/s Ethernet Study Group

- Study Group closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_rtpge_close_report.pdf
- Progress
  - 3 tutorials on automotive/industrial requirements
  - 14 presentations
    - Technical and economic feasibility, channel and impairments
    - Reports from power, channel, objectives, PAR and 5C ad hocs
  - Adopted draft PAR and draft 5C
  - Adopted 6 new draft objectives (8 total)
- Study Group chartered for six more months
- Next meeting at September 2012 interim meeting series
  - Full details at: http://www.ieee802.org/3/interims/
- Web page:
  http://www.ieee802.org/3/RTPGE/index.html

| 6.04 | MI | IEEE 802.3, Next Generation BASE-T (new SG) | Law | 5 | 03:14 PM |

Law gave update.

Next Generation BASE-T Call for interest

- Call for Interest closing report
  - http://www.ieee802.org/3/minutes/jul12/0712_ngbaset_close_report.pdf
- Study Group formation approved
  - IEEE 802.3 Next Generation BASE-T Study Group
- First Study Group meeting at September 2012 interim meeting series
  - Full details at: http://www.ieee802.org/3/interims/
- Web page
  - Will be added to: http://www.ieee802.org/3/index.html

Motion 28	The LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Next Generation BASE-T Study Group within IEEE 802.3
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 13/0/0
Motion	Passes

6.05	ME	IEEE 802.3 Ethernet Bandwidth Assesment (BWA) Industry Connection Activity, Motion to terminate	Law / D'Ambrosia	5	03:19 PM

Motion 29	The LMSC Executive Committee authorizes the IEEE 802.3 Chair to request the IEEE-SA Standards Board terminate the Ethernet Bandwidth Assessment Industry connection activity
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 13/0/0
Motion	Passes

6.06	ME	IEEE 802.3, Higher Speed Ethernet Consensus Industry Connections Activity, ICAID Endorsement	Law / D'Ambrosia	5	03:24 PM

D'Ambrosia presented Document 12-0033-01.   See following pages.

Motion 30	The LMSC Executive Committee endorses the IEEE 802.3 Higher Speed Ethernet Consensus ICAID (ec-12-0033-01-00ec.pdf)
	https://mentor.ieee.org/802-ec/dcn/12/ec-12-0033-01-00EC-update-higher-speed-ethernet-consensus-industry-connections.pdf
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 14/0/0
Motion	Passes

Higher Speed Ethernet Consensus
Industry Connections (Individual Process)
Activity Initiation Document
Version: 1.2, 19 July 2012

[[Instructions
- Note: Any text surrounded by double square brackets [[]] should be replaced appropriately (and the brackets removed) in the final document, or may be deleted if so allowed. These instructions may be deleted.
- The version number above, along with the date, may be used to distinguish successive updates of the document. The file name associated with the document should also be updated accordingly.
- The status should indicate "Draft", "For Member Approval", "For Sponsor/SASB Approval", or "Approved", as appropriate.
- The Name of New IC Activity and Version information provided above will automatically update the corresponding page headers and footers (upon printing or print preview). However, the font and size of the substituted text in the headers and footers may need to be manually corrected.]]

1. Background and Purpose

[[Briefly explain the motivation behind starting this IC activity, and the overall purpose or goal to be accomplished. Include a comparison to any existing, related efforts (industry associations, consortia, standardization activities, etc.), or existing, related standards.
- If an existing related standard has been identified and the Sponsor is still active, its name [[SponsorName]] shall be entered below. Prior to the approval of the start of the activity, approval from that Sponsor shall be obtained.]]

The completion of the IEEE 802.3 Industry Connections Ethernet Bandwidth Assessment Ad hoc has demonstrated that the bandwidth requirements of multiple application spaces are continuing an exponential climb with the forecasted growth in 2020 to reach a level 100x the bandwidth required in 2010. The purpose of the IEEE 802.3 Industry Connection's Higher Speed Ethernet Consensus activity will be to build consensus related to initiating a new effort targeting the next speed of Ethernet for wireline applications, which will be used for the evaluation and possible development of a Call-For-Interest for the next IEEE 802.3 Higher Speed Study Group.

Related Standards – IEEE Std 802.3-2008 and IEEE Std 802.3ba-2010
Related Sponsor – IEEE 802

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2. Charter and Scope

Within the IEEE Standards Association (IEEE-SA), the Higher Speed Ethernet Consensus activity will be overseen by the IEEE-SA Standards Board (SASB) Industry Connections Committee (ICCom), and IEEE 802. The charter of Higher Speed Ethernet Consensus focuses its activities as follows:

- [[Through a series of points or sentences, outline what types of work will be undertaken by this IC activity, clarifying what is in (and what is out of) scope.]]

The scope of this IC activity will focus on building consensus related to the next speed of Ethernet for wireline applications, which will be used for the evaluation and possible development of a Call-For-Interest for the next IEEE 802.3 Higher Speed Study Group. The requested duration for this Industry Connections activity is 12 months.

3. Potential Markets Served

[[Indicate the main beneficiaries of this work, and what the potential impact might be. This is an optional section that may be omitted if already covered under Background and Purpose.]]

The potential beneficiaries of this work would be those individuals involved in future Ethernet wireline standards targeting higher speeds than those that currently exist. The beneficiaries of these efforts identified to date are expected to include but are not limited to: users and producers of systems and components for servers, network storage, networking systems, high performance computing, telecommunications carriers, internet exchanges, financial markets, data centers, and multiple system operators (MSOs).

4. Proposed Deliverables

[[Outline the anticipated deliverables and output from this IC activity, such as documents, proposals for standards, conferences and workshops, databases, computer code, etc.]]

The proposed deliverables will be the historical records, i.e. meeting notes & presentations, of the meetings held by this Industry Connections activity.

5. Funding Requirements

[[Outline any additional contracted services or other expenses that are currently anticipated, beyond the basic support services provided to all IC activities.]]

Web / Reflector

6. Initial Members

[[Indicate the stakeholders that are expected to be interested in this IC activity, and provide a list of the initial members (below) that will be participating from the outset. It is recommended there be at least five initial members, each with a different affiliation.]]

The initial members in Higher Speed Ethernet Consensus are the following:

Individual	Contact Info	Employer	Affiliation
John D'Ambrosia	7701 Aynlee Way Harrisburg, PA 17112 jdambrosia@ieee.org 717.460.8535	Dell	Dell
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Jim Keeley	Jim.keeley@lsi.com	LSI	LSI
Ghani Abbas	ghani.abbas@ericsson.com	Ericsson	Ericsson
Jack Jewell	jack@greenucsel.com	Commscope	Commscope
John McDonough	John.mcdonough@necam.com	NEC America	NEC America
Norman Swenson	Norm.swenson@clariphy.com	Clariphy	Clariphy
Rick Rabinovich	rick@resrealty.com	Alcatel-Lucent	Alcatel-Lucent
Ted Sprague	tsprague@infinera.com	Infinera	Infinera

Revision History:

Revision Number	Author/Editor	Date
0.1 (Draft)	John D'Ambrosia	03 Apr 2012
0.2 (Draft)	James Wendorf (IEEE)	18 Apr 2012
0.3 (Draft)	John D'Ambrosia	01 May 2012
1.0	John D'Ambrosia	01 June 2012
1.1	John D'Ambrosia	11 July 2012
1.2	John D'Ambrosia	19 July 2012

Formatted: Font: 10 pt, Not Bold

Deleted: Higher Speed Ethernet Consensus

Deleted: Version: 1.1, 11 July 2012

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Kraemer presented slides 10 and 11 from ec-12-0042-00-00EC-july-2012-802-11-motions.pptx

doc.: IEEE 802 EC-12-0042-00

802.11 CMMW SG extension motion

July 2012   **doc.: IEEE 802 EC-12-0042-00**

Motion

- **Extend the 802.11 CMMW Study Group.**
-
- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**

- **Rationale:**
  - Requesting study group extension in case extra time is necessary to respond to possible comments from 802 EC or NesCom

- **Result in the WG: 75,0,0**

Motion 31	Extend the 802.11 CMMW Study Group.	
Moved	Kraemer	
Second	Rosdahl	
Results	(y/n/a)	14/0/0
Motion	Passes	

6.08	MI	802.11, Infrastructure Service Discovery Group SG (2nd Extension)	Kraemer	5	03:34 PM

Kraemer presented slides 12 and 13 from ec-12-0042-00-00EC-july-2012-802-11-motions.pptx

doc.: IEEE 802 EC-12-0042-00

802.11 ISD SG extension motion

July 2012   **doc.: IEEE 802 EC-12-0042-00**

Motion

- **Extend the IEEE 802.11 pre-association discovery (PAD) study group, formerly known as infrastructure service discovery (ISD).**

- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**

- **Rationale**
  - This is to allow further work to finalise PAR and 5 Criteria documentation. Completion expected in November.
- **Result in the WG: 71,0,0**

Motion 32	Extend the IEEE 802.11 pre-association discovery (PAD) study group, formerly known as infrastructure service discovery (ISD).	
Moved	Kraemer	
Second	Rosdahl	
Results	(y/n/a)	14/0/0
Motion	Passes	

| 6.09 | MI | 802.11, General Link Study Group (new SG) | Kraemer | 5 | 03:39 PM |

Kraemer presented slides 14 & 15 from ec-12-0042-00-00EC-july-2012-802-11-motions.pptx

doc.: IEEE 802 EC-12-0042-00

802.11 General Link Study Group SG request

Submission   Slide 14   Bruce Kraemer, Marvell

July 2012   doc.: IEEE 802 EC-12-0042-00

Motion to Form a Study Group

- **Approve formation of a Study Group on enabling the use of 802.11 (including consideration of infrastructure BSS, PBSS, and IBSS associations) as general transit links capable of supporting 802.1 bridging, with the intent of creating a PAR and five criteria.**
- **Moved: Bruce Kraemer**
- **Seconded: Jon Rosdahl**

•**Result in the WG: 56,0,5**
   –Supporting material in https://mentor.ieee.org/802.11/dcn/12/11-12-0589-02-0wng-general-802-11-link.pptx

Submission   Slide 15   Bruce Kraemer, Marvell

Motion #33	Approve formation of a Study Group on enabling the use of 802.11 (including consideration of infrastructure BSS, PBSS, and IBSS associations) as general transit links capable of supporting 802.1 bridging, with the intent of creating a PAR and five criteria.	
Moved	Kraemer	
Second	Rosdahl	
Results	(y/n/a)	14/0/0
Motion	Passes	

6.10	MI*	IEEE 802.16, Broadband Wireless Access Metrology (1st Extension)	Marks	0	03:44 PM

Approved with approval of agenda.

6.11	MI*	802.16, WirelessMAN radio interface in Heterogeneous Networks (1st Extension)	Marks	0	03:44 PM

Approved with approval of agenda.

6.12	MI	IEEE 802.22.1-2010, Formation of Advanced Beaconing Study Group (new SG)	Mody	5	03:44 PM

Mody presented slides 12, 13, and 14 of https://mentor.ieee.org/802.22/dcn/12/22-12-0073-00-0000-802-22-july-plenary-ec-motions.ppt

802.22 WG Motion to form Study Group for Amendment to the IEEE 802.22.1 Standard for Advanced Beaconing

P802.22 WG Motion

Members of the IEEE 802.22 WG authorize the Chair of IEEE 802.22 to make a motion to the IEEE 802 Executive Committee during the July EC Closing Plenary to seek an approval to form an Advanced Beaconing study group under the 802.22 Working Group for an amendment to the IEEE Std. 802.22.1-2010

Move: Jerry Kalke
Second: Chunyi Song
For: 9
Against: 0
Abstain: 0

P802.22 EC Motion

Move that the EC allows formation of an Advanced Beaconing Study Group under the 802.22 Working Group for an Amendment to the IEEE Std. 802.22.1-2010 Standard.

Move: Apurva Mody
Second: Subir Das
For: 13
Against: 0
Abstain: 1
Motion Passes

Motion #34	Move that the EC allows formation of an Advanced Beaconing Study Group under the 802.22 Working Group for an Amendment to the IEEE Std. 802.22.1-2010 Standard.
Moved	Mody
Second	Das
Results	(y/n/a) 13/0/1
Motion	Passes

6.13	MI	**Smart Grid EC Study Group Report and TAG motion**	**Gilb**

Gilb presented https://mentor.ieee.org/802.24/dcn/12/sg-12-0010-00-00sg-july-2012-closing-report.odp

IEEE 802 Smart Grid ECSG
July 2012 closing report

SG ECSG July goals

- Write scope statement for TAG
- Review AIs from May
- List of documents to be created
  - For each document, assign authors for each section
  - Rely on WGs to provide text for that WG
- Request formation of SG TAG

SG ECSG July Accomplishments

- Wrote scope statement and meeting schedule for TAG
- Created action plan for input to the catalog of standards for SGIP
- Request formation of SG TAG
- Filled out SIF form for 802.15.4g

JCA SG&HN representatives

- SG representatives
  - Geoff Thompson (in person)
  - James Gilb (call in)
  - Subir Das (call in)
- HN representatives
  - Bruce Kraemer (call in)
  - James Gilb (call in)
- No deadline for registration, but should register in advance.

AIs for July-November

- SGIP CoS activity – drafts due 7/27/12
  - 802.1 – ?? (Jeffree intends to assign)
  - 802.3 – ?? (Law to assign)
  - 802.11ah – Halasz
  - 802.15.4g – Gilb/Beecher
  - 802.16 – Marks/Godfrey
  - 802.21 – Das
  - 802.22, 802.22b – Mody
- Ash to send SIF forms to Stuart when completed

Smart Grid definition

- Derived from IEEE Std 2030
  - Smart Grid: The integration of power, communications, and information technologies for an improved electric power infrastructure serving users while providing for an ongoing evolution of end-use applications.

Attendance

- Attendees: about 70 people
- Number of companies represented (based on declared affiliations) >30
- WGs participating
  - 802.1, 802.11, 802.15, 802.16, 802.21, 802.22

Suggested scope

The 802 Smart Grid TAG

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

TAG meeting schedule

- Meet only during plenaries
  - Ad-hoc meetings at interims on an as-needed basis
  - Conference calls as required under TAG rules
- There may be topics for which the TAG will need to issue responses quickly
  - TAG will specifically request the ability to respond to these without requiring an EC ballot.
  - Similar to IMT-advanced responses

Motion to form Smart Grid TAG

- Motion is to request that the 802 EC approve the formation of a Smart Grid TAG with the scope and meeting schedule as listed in sg-12-0010-00. Interim Chair is James Gilb by appointment, elections to be held at the first meeting.
- Results in ECSG
  - Moved/Second: Upkar/Das
  - Vote: 33/0/2
- EC motion
  - Moved Gilb, second

Discussion: Group will identify 1 individual local to meeting to attend. Gilb will work with Thompson and Jeffree to identify a candidate for July 31 meeting.   Registration has to be in advance and go through Jodi Haasz. SIF form started. Jeffree acting as 802.1 representative and Law as 802.3 representative. Discussion of Smart Grid TAG. Regulatory matters might need involvement by 802.18

Motion #35	Motion is to request that the 802 EC approve the formation of a Smart Grid TAG with the scope and meeting schedule as listed in sg-12-0010-00. Interim Chair is James Gilb by appointment, elections to be held at the first meeting.
Moved	Gilb
Second	D'Ambrosia
Results	(y/n/a) 12/0/1
Motion	Passes

TAG is to be known as 802.24.

Jeffree presented: Slide 3 of 2012-07-exec-motions.pdf

MOTION

- 802.1 requests approval by IEEE 802 LMSC to form a Study Group on enabling the use of 802.11 (including consideration of infrastructure BSS, PBSS, and IBSS associations) as general transit links capable of supporting 802.1 bridging, with the intent of creating a PAR and five criteria.
- Proposed: Finn
- Second: mack-crane
- For__36__Against_0__Abstain_5_

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Motion # 36	802.1 requests approval by IEEE 802 LMSC to form a Study Group on enabling the use of 802.11 (including consideration of infrastructure BSS, PBSS, and IBSS associations) as general transit links capable of supporting 802.1 bridging, with the intent of creating a PAR and five criteria.
Moved	Jeffree
Second	Thaler
Results	(y/n/a) 14/0/0
Motion	Passes

Jeffree presented Slides 4, 5, and 6 of 2012-07-exec-motions.pdf

MOTION

- 802.1 requests conditional EC approval to forward P802.1Q/Cor-2 to RevCom
- Proposed: parsons
- Second: messenger
- For_31___Against_0__Abstain__0__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1Q/Cor-2

BALLOT OPEN DATE: 30-May-2012
BALLOT CLOSE DATE: 29-Jun-2012
TYPE: New
DRAFT #: D2.0
COMMENTS: 16
MUST BE SATISFIED COMMENTS: 3
RESPONSE RATE
This ballot has met the 75% returned ballot requirement.
79 eligible people in this ballot group.
66 affirmative votes
3 negative votes with comments (1 of these had no "required" comments)
0 negative votes without comments
2 abstention votes: (Lack of expertise: 1, Lack of time: 1)
71 votes received = 89% returned
2% abstention
APPROVAL RATE
The 75% affirmation requirement is being met.
66 affirmative votes
3 negative votes with comments
69 votes = 95% affirmative

Supporting material: P802.1Q/Cor-2

- Recirculation ballot will close by mid-August
- Possible (but unlikely) second recirc in late August/early September if there are comments on R1.
- Outstanding "required" comments from Disapprove voters:

Comment Type **GR**
The editing directions mention inserting list item f), but there is also a new list item g) shown.
SuggestedRemedy
Change the editing directions to show insertion of both list item f) and list item g).
ACCEPT.

Comment Type **TR**
*** Comment submitted with the file 76221700003-12-0432-01-00aa-Changes to 802_1Q.pptx attached ***
Annex C of 802.1Q-2011 defines the DMN implementation requirements for IEEE 802.11aa. During the comment resolution process of P802.11aa, some MIB attributes, MLME primitives and frames were renamed.
SuggestedRemedy
Hopefully there is an attachement with the comment describing the required changes. If not, have a look at https://mentor.ieee.org/802.11/dcn/12/11-12-0432-01-00aa-changes-to-802-1q.pptx
ACCEPT.

Motion #37	802.1 requests conditional EC approval to forward P802.1Q/Cor-2 to RevCom	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	14/0/0
Motion	Passes	

6.16	ME	IEEE 802.1, P802.1AC to RevCom (Unconditional)	Jeffree

Jeffree presented Slides 7 and 8 of 2012-07-exec-motions.pdf.

MOTION

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

- Proposed: Haddock Second: Messenger
- For__35__Against_0__Abstain__1__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1AC

BALLOT OPEN DATE: 28-Jun-2012
BALLOT CLOSE DATE: 13-Jul-2012
TYPE: New
DRAFT #: D2.1
BALLOTS RECEIVED: 2
VOTE CHANGES: 1
COMMENTS: 1
MUST BE SATISFIED COMMENTS: 1
RESPONSE RATE
This ballot has met the 75% returned ballot requirement.
95 eligible people in this ballot group.
70 affirmative votes
1 negative votes with comments
0 negative votes without comments
3 abstention votes: (Lack of time: 1, Other: 2)
74 votes received = 77% returned
4% abstention
APPROVAL RATE
The 75% affirmation requirement is being met.
70 affirmative votes
1 negative votes with comments
71 votes = 98% affirmative

Outstanding Required comments supporting 1 Disapprove ballot:
http://www.ieee802.org/1/files/public/Exec_files/802-1AC-Required.pdf

Motion #38	802.1 requests EC approval to submit P802.1AC to RevCom.	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	13/0/0
Motion	Passes	

Jeffree presented slides 9 and 10 of 2012-07-exec-motions.pdf.

MOTION

- 802.1 requests EC approval to submit P802.1AEbw D1.0 to Sponsor Ballot.
- Proposed: Seaman Second: Randall
- For__31__Against__0_Abstain__1__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Supporting material: P802.1AEbw

P802.1AEbw D1.0 (MAC Security: Amendment— Extended Packet Numbering) passed WG & WG recirc ballots:

68 voters, 47 responding (69% response),

28 approve (100%),

0 disapprove (no negative comments),

19 abstentions.

Motion #39	802.1 requests EC approval to submit P802.1AEbw D1.0 to Sponsor Ballot.		
Moved	Jeffree		
Second	Thaler		
Results	(y/n/a)	13/0/0	
Motion	Passes		

Jeffree presented slides 11 and 12 of 2012-07-exec-motions.pdf.

MOTION

- 802.1 requests EC conditional approval for forwarding P802 O&A to Sponsor ballot.
- Proposed: finn Second: Gray
- For: 26 Against: 0 Abstain: 0

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Supporting material: P802 O&A

Yes   27   79.41%
No   7   20.59%
Abstain 8   19.05%
No. of Voters   67
Voters responding   42   62.69%
commenting   7

Recirculation ballot in September timeframe. Possible 2nd recirc in October.

Comment/disposition summary:
http://www.ieee802.org/1/files/public/docs2012/802-rev-d1-4-pdis-v03.ods

Motion #40	802.1 requests EC conditional approval for forwarding P802 O&A to Sponsor ballot.	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	14/0/0
Motion	Passes	

Jeffree presented slides 13 and 14 of 2012-07-exec-motions.pdf.

Motion

- 802.1 requests EC approval to forward the P802.1Q Revision PAR to NesCom.
- Proposed: Parsons
  Second: gray
- For: 18 Against: 0 Abstain: 0

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

Supporting material: P802.1Q-REV

Draft par circulated >48 hours before EC meeting

Text of draft PAR:

http://www.ieee802.org/1/files/public/docs2012/new-q-revision-draft-par-0712.pdf

Motion #41	802.1 requests EC approval to forward the P802.1Q Revision PAR to NesCom.	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	12/0/0
Motion	Passes	

| 6.20 | ME | IEEE 802.1, P802.1AB Corrigendum 1 PAR to NesCom | Jeffree |

Jeffree presented slides 15 and 16 of 2012-07-exec-motions.pdf.

Motion

- 802.1 requests EC approval to forward the P802.1AB Corrigendum 1 PAR to NesCom.
- Proposed: Parsons
  Second: gray
- For: 29 Against: 0 Abstain: 1

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

Supporting material:
P802.1AB Cor-1

Draft par circulated >48 hours before EC meeting

Text of draft PAR:

http://www.ieee802.org/1/files/public/docs2012/new-ab-2009-cor-1-draft-par-0712.pdf

Motion #42	802.1 requests EC approval to forward the P802.1AB Corrigendum 1 PAR to NesCom.	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	14/0/0
Motion	Passes	

Jeffree presented slides 17 and 18 of 2012-07-exec-motions.pdf.

Motion

- 802.1 requests EC approval to withdraw the P802.1AXbq PAR.
- Proposed: Parsons
  Second: finn
- For: 32 Against: 0 Abstain: 0

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

Supporting material: P802.1AXbq

Intent to do this was announced >48 hours before EC meeting

The technical content developed under this project has been subsumed into the P802.1AX revision project and therefore this project has been abandoned by the WG.

Motion #43	802.1 requests EC approval to withdraw the P802.1AXbq PAR.	
Moved	Jeffree	
Second	Thaler	
Results	(y/n/a)	14/0/0
Motion	Passes	

Time 4:14PM

7.00		**LMSC Liaisons and External Interface**			**04:39 PM**

7.01	MI	**Press Release - Formation of IEEE 802.3 Next Generation BASE-T Study Group**	**Law**	**5**	**04:39 PM**

Law presented IEEE_802d3_Next_Gen_BASE-T_D2p0.pdf (see next pages)

Motion #44	The EC supports the IEEE 802.3 Next Generation BASE-T Study Group press release IEEE_802d3_Next_Gen_BASE-T_D2p0.pdf, with editorial license granted to the Chair (or his appointed agent).
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 14/0/0
Motion	Passes

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

IEEE FORMS STUDY GROUP TO EXPLORE
NEXT-GENERATION IEEE 802.3™ BASE-T

New IEEE 802.3 Group to Examine New Networking Requirements
in Server Connectivity and Other Applications

PISCATAWAY, N.J., USA, 23 July 2012 – IEEE, the world's largest professional association advancing technology for humanity, today announced the formation of the IEEE 802.3™ Next-Generation BASE-T Study Group. The new group is designed to measure industry interest and needs in the next generation of the IEEE 802.3 BASE-T family of technologies for Ethernet transmission over twisted-pair cabling.

Widely deployed for physical-layer connectivity in data centers, IEEE 802.3 BASE-T represents the highest-volume Ethernet port type today. IEEE 802.3 BASE-T technologies typically utilize server-uplink data rates of Gigabit Ethernet and 10 Gigabit Ethernet today, but platform transitions and systems innovation on all fronts are driving new networking requirements.

"Because of the ability of current IEEE 802.3 BASE-T technologies to interoperate with legacy versions via the standard's 'autonegotiation' feature and thereby support cost-effective infrastructure upgrades, extension to 40 Gigabit Ethernet and higher speeds will be required in coming years, ," said Bill Woodruff, chair of the IEEE 802.3 Next-Generation BASE-T Study Group and associate product line director with Broadcom. "IEEE 802.3 BASE-T continues to be one of the most successful technologies within the greater IEEE 802.3 family, and our new study group will gauge the timing and needs of extending the standard to support industry needs for server connectivity and other applications."

Interested individuals are invited to contribute to the new IEEE 802.3 Next-Generation BASE-T Study Group. For more information, please visit http://www.ieee802.org/3/NGBASET.

"The formation of an IEEE 802.3 study group occurs when there is interest in developing a request to initiate an IEEE 802.3 Ethernet standards-development project," said David Law, chair of the IEEE 802.3 Ethernet Working Group and distinguished engineer with HP Networking. "One of the reasons that IEEE 802.3 BASE-T has proven to be such a compelling technology over the years is because it frees companies to upgrade their networks strategically and cost-efficiently. That benefit of the standard is increasingly valuable, given the bandwidth demands and cost pressures that network managers today face."

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

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

About IEEE
IEEE, the world's largest technical professional association, is dedicated to advancing technology for the benefit of humanity. Through its highly cited publications, conferences, technology standards, and professional and educational activities, IEEE is the trusted voice on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Learn more at http://www.ieee.org.

# # #

Supporting quotes

Mike Bennett, senior network engineer, Lawrence Berkeley National Lab: "The next-generation BASE-T effort is timely as 10GBASE-T becomes the typical network interface shipping with servers today. We need the next generation of twisted-pair Ethernet to be ready when server I/O technology advances to the next level. This technology will continue the low-cost, high-performance Ethernet we've come to expect from the IEEE."

Brad Booth, director network architecture, Dell and previous chair of IEEE P802.3an (10GBASE-T): "One of the key values that 10GBASE-T provides to the end user is the ability to migrate their systems from 1 Gigabit Ethernet to 10 Gigabit Ethernet without requiring a forklift upgrade. The next-generation BASE-T will provide the ability to continue this migration capability."

David Chalupsky, network hardware architect, Intel Corporation: "We are excited to see work begin on the next generation of the BASE-T roadmap. A higher-speed BASE-T will complement the rich family of Ethernet options, continuing to enable the growth and diversity of server networking needs."

Wael William Diab, vice-chair of the IEEE 802.3 Ethernet working group and senior technical director at Broadcom: "As high-density 10GBASE-T switches become more common in data center and enterprise environments, the approval of this study group to review the next-generation BASE-T technology is timely. A next-generation BASE-T technology will complement the rich and diverse higher-speed Ethernet interfaces, ensuring that next-generation switch and server application requirements are addressed."

David Koenen, server network technologist, HP: "Today's 1000BASE-T and 10GBASE-T protocols on twisted-pair cabling offers a high-density, low-cost solution for the data center's server-network edge. A next-generation BASE-T standard will provide an upgrade path to match the bandwidth demands of future applications."
[David Koenen is pending final approval from HP]

| 7.02 | MI | **Press Release - Publication of IEEE Std 802.3-2012 Revision** | Law | 5 | 04:44 PM |

Law presented IEEE_802d3_Revision_D3p0.pdf (see next pages)

Motion #45	The EC supports the Publication of IEEE Std 802.3-2012 Revision press release press release IEEE_802d3_Revision_D3p0.pdf, with editorial license granted to the Chair (or his appointed agent), release conditional upon approval of IEEE Std 802.3-2012 by the IEEE-SA Standards Board.
Moved	Law
Second	D'Ambrosia
Results	(y/n/a) 13/0/0
Motion	Passes

Contact: Shuang Yu, Senior Manager, Solutions Marketing
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IEEE 802.3™-2012 "STANDARD FOR ETHERNET" EXPANDS TO ADDRESS NEW MARKETS, BANDWIDTH SPEEDS AND MEDIA TYPES

Latest Revision to Globally Pervasive IEEE 802.3 Standard Defines Wired Ethernet Connectivity

PISCATAWAY, N.J., USA, 30 August 2012 – IEEE, the world's largest professional association advancing technology for humanity, today announced the publication of IEEE 802.3™-2012 "Standard for Ethernet." IEEE 802.3 defines wired connectivity for Ethernet local area, access and metropolitan area networks around the world.

"'IEEE 802.3 technologies and the varied Ethernet networks that they enable are found everywhere, and the standard's application horizon continues to expand," said David Law, chair of the IEEE 802.3 Ethernet Working Group and distinguished engineer with HP Networking. "When Ethernet networking was conceived in the 1970s and the IEEE 802.3 standard was first published in 1985, its founders could not possibly have foreseen the global transformation that their ideas and efforts would ultimately set into motion. The standard has helped spawn whole new business models, industries and ways of life. And that cycle of innovation continues today."

IEEE 802.3 defines the physical (PHY) and media access control (MAC) layers of Ethernet transmission across wired connections of multiple media. The standard's global deployment is pervasive, and the span of stakeholders in its ongoing development is sweeping, including network component and system manufacturers (optical transceivers, cabling, integrated circuit, powering devices, switches and network interface cards, for example) and network, software and bandwidth providers, as well as LAN and Internet users worldwide.

Furthermore, IEEE 802.3's relevance continues to grow multi-dimensionally in order to address additional media types, bandwidth speeds and protocols. The new IEEE 802.3 revision approved by the IEEE Standards Association (IEEE-SA) incorporates various technical updates and enhancements and consolidates a host of amendments to the base standard that were approved since IEEE 802.3's last full revision, in 2008. Amendments addressing 10 Gbit/s

Ethernet Passive Optical Networks (EPONs), energy efficiency, extension to 40 Gbit/s and 100 Gbit/s speeds while maintaining compatibility with previously installed IEEE 802.3 interfaces, enhanced support for loss-sensitive applications and time synchronization are among those that have been incorporated into IEEE 802.3-2012.

"For decades now, Ethernet has provided the flexible connectivity foundation on which application innovation and the bandwidth explosion have been based," said ANALYST, TITLE with FIRM. "The reason it has proven to be such an enduring foundational technology over years is because of the IEEE 802.3 community's vigilance to keep the standard current with its users' real-world needs."

Added Wael William Diab, vice-chair of the IEEE 802.3 working group, chair of the revision task force and senior technical director at Broadcom: "IEEE 802.3 is constantly being refined to address new challenges and applications. We see the standard being expanded horizontally to address the specific needs of new markets such as energy efficiency, in-car networking, data-center networking and content delivery. At the same time, IEEE 802.3's relevance is being expanded vertically in terms of bandwidth speeds and connection media. Work, in fact, is already underway on a variety of fronts that will have dramatic impact on the next generations of the world's ubiquitous wired connectivity protocol of choice."

IEEE 802.3 is available for purchase at the IEEE Standards Store. For more information about the IEEE 802.3 working group, please visit http://standards.ieee.org/develop/wg/WG802.3.html.

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

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7.03	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15: Response to OTNT Standardization Work Plan letter	Law	0	04:49 PM

Approved with approval of agenda.

7.04	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15: ANT Standardization Work Plan letter	Law	0	04:49 PM

Approved with approval of agenda.

7.05	II*	IEEE 802.3, Liaison letter to IEC SC 46C: Response to generic specification for Twinax cables liaison letter	Law	0	04:49 PM

Approved with approval of agenda.

7.06	II*	IEEE 802.3, Liaison letter to ITU-T Study Group 15:Completion of IEEE 802.3 Industry Connections Ethernet Bandwidth Assessment	Law	0	04:49 PM

Approved with approval of agenda.

7.07	ME*	Approval of IEEE 802/IEEE-SA International Program Communications Plan	Law	0	04:49 PM

Approved with approval of agenda.

7.08	ME	Global Standards Co-operation	Mills / Law	5	04:49 PM

Mills presented 120720-mill-ec-motions.revised.v1.pptx and presented Global Open Standards Development Affirmation of Principles. See following pages

Motion #46	The LMSC Executive Committee endorses the "Affirmation of the Modern Global Standards Paradigm" principles.
	The Global Open Standards Development Affirmation of Principles document can be found at http://www.ieee802.org/secmail/pdfkFMi9a1txH.pdf
Moved	Law
Second	Kraemer
Results	(y/n/a) 14/0/0
Motion	Passes

Time: 4:25pm

802.11 July 2012 EC Motion

Date: 2012-07-18

Authors:

Name	Company	Address	Phone	email
Steve Mills	HP	10955 Tantau Ave Cupertino, CA 95014	+1-408-447-3426	steve.mills@hp.com

IEEE 802 EC Closing Plenary Motion

The LMSC Executive Committee endorses the "Affirmation of the Modern Global Standards Paradigm" principles.

* The Global Open Standards Development Affirmation of Principles document can be found at http://www.ieee802.org/secmail/pdfkFMi9a1txH.pdf

Moved: David Law

Second: Bruce Kraemer

Over the past several decades, the global economy has realized a huge bounty due to the Internet and World Wide Web. These could not have been possible without the innovations and standardization of the underlying technologies. Evidently, this standardization occurred with great speed and effectiveness only because of key characteristics of a new global standards paradigm. Accordingly, it is time to characterize the principles which have led to this success and to ensure acceptance of standards activities that adhere to these principles.

Global Open Standards Development – Affirmation of Principles

We embrace a new global standards paradigm where the economics of global markets, fueled by technological advancements, drive global deployment of standards regardless of their formal status.

In this paradigm, standards are developed through an open participatory process, voluntarily adopted globally, support interoperability and foster global competition. These voluntary standards serve as building blocks for products and services targeted at meeting the needs of the market and consumer, thereby driving innovation. Innovation in turn contributes to the creation of new markets and the growth and expansion of existing markets.

Participation in the new paradigm demands:

1.   Respectful cooperation between standards development organizations (SDOs), whereby each respects the autonomy, integrity, processes and intellectual property rules of the others.

2.   Adherence to the five fundamental principles of standards development of:

    a.   Due process - any materially interested party has the right to participate, allowing for equity and fairness among participants. Due process ensures that no one party dominates or guides the development, all interests are welcome to participate, the process is transparent and opportunities exist to appeal decisions;

    b.   Consensus - processes allow for all views to be considered and addressed, such that agreement to be found across a range of interests;

    c.   Transparency - advance provision of public notice of a proposed standards development activity, the scope of work to be undertaken, conditions for participation, provisions of a public comment period before final approval and adoption, and easily accessible records of decisions as well as the materials used in reaching those decisions;

d.   Balance – not exclusively dominated by any particular person, company or interest group.

e.   Openness - the standards development process is open to all interested and informed parties.

3.   Commitment, by affirming SDOs and their participants, to collective empowerment by striving for standards that:

- are chosen and defined based on technical merit, as judged by the contributed expertise of each participant;

- provide global interoperability, scalability, stability and resiliency;

- enable global competition;

- serve as composable building blocks for further innovation; and

- contribute to the creation of global communities, benefiting humanity.

4. Open standards: standards that are developed through the five principles outlined above, are accessible to all for implementation and deployment under fair terms, and have a well-defined forum and process for periodic review and update as necessary.

5.   Adoption of these standards is voluntary and success is determined by acceptance by the market.

By signing this statement, we affirm our support for and adherence to these principles.

7.09	MI*	Press Release - IEEE 802.11aa and 802.11ae	Kraemer	0	04:54 PM

Approved with approval of agenda.

7.10	ME	Confirm Bruce Kraemer as Head of Delegation to the ISO/IEC JTC1/SC6 meeting in Graz, Austria in Sept 2012	Kraemer	5	04:54 PM

Kraemer presented slide #19 of IEEE 802 EC-12-0042-00

Empower the IEEE 802 HoD to the SC6 meeting in Sept 12, 2012

- **Appoint Bruce Kraemer as HoD of the IEEE 802 delegation to the SC6 meeting in Sept 2012 and authorise him to:**
  – Appoint the IEEE 802 delegation
  – Approve any necessary submissions
  – Call any necessary preparation teleconferences
- **Moved: Jon Rosdahl**
- **Seconded:**
- **Result in IEEE 802 JTC1 SC: unanimous consent (~14 voters present)**
- *Note: this is the same as motion in November 2011 before SC6 meeting in Feb 2102*

Submission   Bruce Kraemer, Slide 19

Motion #47	Appoint Bruce Kraemer as HoD of the IEEE 802 delegation to the SC6 meeting in Sept 2012 and authorise him to:
	- Appoint the IEEE 802 delegation
	- Approve any necessary submissions
	- Call any necessary preparation teleconferences
Moved	Rosdahl
Second	Lynch
Results	(y/n/a) 12/0/1
Motion	Passes

Kraemer presented Slide 20 of IEEE 802 EC-12-0042-00

Liaison Documents for ISO IEC JTC1 SC6

- **Approve the following documents be sent to SC6 as part of a process to develop an agreement between SC6 and IEEE 802**
    - 11-12/767r4 – a response to the China NB
    - 11-12/768r4 – a response to the Switzerland NB
    - 11-12/769r2 – the proposed agreement between SC6 and IEEE 802
- **Empower Bruce Kraemer and Paul Nikolich to make any necessary editorial changes before the documents are sent to SC6**
- **Moved: Paul**
- **Seconded: Dorothy**
- **Result in IEEE 802 JTC1 SC: 14/0/0 Passed**

Submission   Bruce Kraemer, Slide 20

Motion #48	Approve the following documents be sent to SC6 as part of a process to develop an agreement between SC6 and IEEE 802
	- 11-12/767r4 – a response to the China NB
	- 11-12/768r4 – a response to the Switzerland NB
	- 11-12/769r2 – the proposed agreement between SC6 and IEEE 802
	Empower Bruce Kraemer and Paul Nikolich to make any necessary editorial changes before the documents are sent to SC6
Moved	Kraemer
Second	Rosdahl
Results	(y/n/a) 14/0/0
Motion	Passes

IETF Liaison – information item

- **WG11 approved the following liaisons from 802.11 to IETF:**
- *Request the IEEE 802.11 WG chair transmit the liaison on slide 21 of "[11-12-0621-04-0000-alternative-path-selection-protocol.pptx](#)" to the IETF TRILL WG and any additional persons he deems appropriate.*
  - *WG result: 62,0,3*
- *Request the IEEE 802.11 WG chair transmit the liaison on slide 5 of "[11-12-0970-00-0000-ietf-liaison-on-diffie-hellman-groups.potx](#)" to the IETF Security Area Directors and any persons he deems appropriate*
  - *WG result: 52,0,4*

11-12/0621r4, slide 21

- The IEEE 802.11 WG understands that there is interest within the IETF TRILL Working Group to specify a variation of the TRILL protocol for use as an IEEE 802.11 mesh path selection protocol.

- While the IEEE 802.11 WG has no view on whether such an activity is justified or not, the IEEE 802.11 WG has no objection to IETF TRILL undertaking this work. Such work is possible because the IEEE 802.11 standard was designed to enable the development of a variety of mesh path selection protocols to extend the range of conditions for which an IEEE 802.11 mesh is suitable.

- It was intended that path selection protocols could be developed independently of IEEE 802.11. If allocation of any IEEE 802.11 code points is found to be beneficial for a TRILL based path selection protocol for mesh, such code points must be allocated through the IEEE 802.11 ANA (Assigned Number Authority) mechanism to avoid conflict. Approval of such allocations will be considered by the IEEE 802.11 WG upon request.

- The IEEE 802.11 WG appreciates the interest of the TRILL WG in IEEE 802.11 mesh. Should you undertake this work, please keep us appraised of your progress.

11-12/0970r0, slide 5

•   The IEEE 802.11 Working Group understands that a new set of elliptic curves (the "Brainpool curves") defined in RFC 5639 are proposed to be added to the Group Description IANA registry that was established for IKEv1 (RFC 2409). The IEEE 802.11 Working Group supports this proposed addition.

•   The code points in this registry are used by IEEE 802.11-2012 to conveniently identify domain parameter sets for use by an authentication protocol that employs discrete logarithm cryptography.

•   To enable support of the "Brainpool curves" in IEEE 802.11-2012, the IEEE 802.11 Working Group requests that the IETF make a request to IANA to update the IKEv1 registry named "Group Description" and assign code points for the "Brainpool curves".

Submission   Slide 23   Bruce Kraemer, Marvell

Discussed slide 23 , which is excerpted Slide 5 from "11-12-0970-00-0000-ietf-liaison-on-diffie-hellman-groups.potx"

Discussed slide 22, which is excerpted Slide 21 from "11-12-0621-04-0000-alternative-path-selection-protocol.pptx"

Concern about this letter's communication and its encouragement to do the activity at the IETF, when there are Study Groups doing work here now. Discussion that if this liaision is sent, 802.1 should send a letter objecting to the IETF doing this work, which could cause image issue, effectively demonstrating that IEEE 802 can't manage its own business. However, as chair, Kraemer has been directed by his Working Group and has an obligation to his Working Group.

Motion #49	Move that the EC strongly request that the chair of 802.11 hold the liaison 11-12-0621-04 until the IEEE 802 November 2012 Plenary after the 802.1 and 802.11 Working Groups meet together to consider the issue.
Moved	Jeffree
Second	Thaler
Results	(y/n/a) 10/1/3
Motion	Passes

Time: 5:06pm

7.13	ME*	FCC Public Notice - 902 - 928 MHZ, IEEE 802 Response, (Doc 18-12-0071-01)	Lynch	0	05:06 PM

Approved with approval of agenda.

7.14	ME*	To approve IEEE 802.18-12-0068-03 under OM Subclause 8.2.1	Lynch / Marks	0	05:06 PM

Approved with approval of agenda.

7.15	ME*	To approve IEEE 802.18-12-0070-02 under OM Subclause 8.2.1	Lynch / Marks	0	05:06 PM

Approved with approval of agenda.

7.16	II	Status Update on Joint IEEE 802 / IETF Leadership Meeting	Thaler	5	05:06 PM

Thaler gave verbal update on the meeting progress.

7.17	MI	Corporate membership of the IEEE-SA for 802	Jeffree	5	05:11 PM

Jeffree presented slide 2 of 2012-07-exec-motions.pptx

Motion:

EC to take the steps necessary to apply for corporate membership of the IEEE-SA for P802, in order to facilitate P802 involvement in entity projects. EC approves the allocation of funds to pay the advanced corporate membership fee.

Proposed: Jeffree
Seconded:

The fee structure is described here: https://standards.ieee.org/membership/index.html I believe that 802 would fall under the lowest tier, so the fee payable would be $3500, plus ~$3000pa to participate in the 1905.1 committee.

Motion #50	EC to take the steps necessary to apply for corporate membership of the IEEE-SA for P802, in order to facilitate P802 involvement in entity projects. EC approves the allocation of funds to pay the advanced corporate membership fee.	
Moved	Jeffree	
Second	Marks	
Results	(y/n/a)	10/2/2
Motion	Passes	

Discussion: Is the IEEE 802 an entity? In light of the "Global Open Standards" it is felt that the P802 should be allowed to join. Treasurer agreed that this is authorization to pay membership fees. Discussion of appeal if membership is rejected, or perhaps a rule change.

Motion #51	Motion to amend the agenda to make a motion to confirm Buzz Rigsbee as the IEEE 802 EC Meeting Manager	
Moved	Rosdahl	
Second	Marks	
Results	(y/n/a)	12/1/0
Motion	Passes	

Chair confirms responded yes that he appointed Buzz Rigsbee as the IEEE 802 EC Meeting Manager

Motion #52	Motion to confirm Buzz Rigsbee as the IEEE 802 EC Meeting Manager	
Moved	Rosdahl	
Second	Marks	
Results	(y/n/a)	12/0/1
Motion	Passes	

8.00		**IEEE SA items**			05:16 PM

8.01	II	**Electronic Tools**	**Boyce**	5	05:16 PM

Verbal overview provided by Boyce. Individuals should contact Boyce if they want "sandbox" for My Desktop.
New name for IMAT new application "Attendance Tool", get rid of IMAT acronym on any supporting presentations.

9.00		**Information Items**			05:21 PM

9.01	II	**JTC1 ad-hoc report**	**Myles**	5	05:21 PM

Verbal report: by Myles

802.11 is collaborating with SC6 by sharing drafts.
802.11-2012 has been sent to ISO.
As 802 and SC6 are not formal entities, relationship will be in form of an agreement between the two groups.
WG Chairs for 802.1 and 802.3 expressed their personal opinions that it appears to be working good, but should go back to talk their respective working groups.

9.02	II	Regulatory report	Lynch	1	05:26 PM

Verbal update by Lynch.:

ITU Working Party 5 – adopted a liaison statement that has not been received yet.

Spectrum allocation for mobile applications. 802.16 formulate response to send to 802.18 for receipt by Sept 26.

9.03	II	Executive secretary report	Rosdahl	5	05:27 PM

Rosdahl presented:EC12/00039r2, Slide 29

9:03 Executive Secretary Report

- **Workshop Action items:**
  - Help with new trackers and pushers
- **July 2013 Geneva Plenary: Responsible for MOU**
- **Future Venues:**
  - Work with Meeting Planner to find non-NA/Non-US Venues (At least one per year for 2016, 2017, 2018).
  - Move a Venue in 2014 and 2016 to make space for non-NA/Non-US venue. (EC to host an Interim to make it available).
- **Follow-up on IEEE Tools: - Tickets are tracking etc.**
- **Follow-up on Contract completeness:**
  - tracking and pushing to get through the process.
  - Meeting on Aug 30 with the IEEE Procurement office.

9.04	II*	Appeals report - no appeals	D'Ambrosia	0	05:32 PM

Approved with appeal of agenda.

9.05	II	Network Services report	Alfvin	5	05:32 PM

Verbal report: Peaked at 76M – average highs were in the 40's

9.06	II	President' s Council of Advisors on Science and Technology - Update on Government Held Spectrum	Mody	2	05:37 PM

Verbal Report by Mody. President' s Council of Advisors on Science and Technology (PCAST), sets gov't policy. Exploration on spectrum sharing and looking at exclusion zones.

9.07	II	University Outreach Update	Law	2	05:39 PM

Verbal Report by Law.

There were 11 registrations. Issue learned - Attendance was $25, but parking was $26. (Parking validation was arranged for the attendees). Learned logistical issues

High Responses – not enough time for orientation

Take-away – need to publicize more

9.08	II	ITU-T T&R Liaison Implementation Plan	Haasz

Verbal Report by Haasz

Haasz / Law to provide overview plan in future.

9.09	II	Liaison response to the ITU liaison ols 358	Jeffree

Verbal Report by Jeffree. This particular group tracks state of standards. They have been updated on IEEE 802.

9.10	II	Liaison response to the ITU liaison ols 378	Jeffree

Verbal Report by Jeffree. Responded to inquiry about multi-point connections.

10.00		ADJOURN SEC MEETING	Nikolich		6:00pm

Meeting adjourned @ 5:52pm