

**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, Chair IEEE 802 EC Smart Grid Study Group
- 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 – Member Emeritus
- Geoff Thompson – Member Emeritus

**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

<b>v04</b>	<b>DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING</b>			
	<b>Friday 1:00PM-6:00PM</b>			
<b>Key:</b>	<b>ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item</b>			
	<b>Special Orders</b>			
	<b>Category (* = consent agenda)</b>			
<b>1.00</b>	<b>MEETING CALLED TO ORDER</b>	<b>Nikolich</b>	<b>1</b>	<b>01:00 PM</b>

Meeting called to Order at 1pm

<b>2.00</b>	<b>MI</b>	<b>APPROVE OR MODIFY AGENDA</b>	<b>Nikolich</b>	<b>10</b>	<b>01:01 PM</b>
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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			
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
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

<b>3.00</b>	<b>II</b>	<b>Announcements from the Chair</b>	<b>Nikolich</b>	<b>5</b>	<b>01:11 PM</b>
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Verbal announcements by chair regarding closing meeting

<b>3.01</b>	<b>MI*</b>	<b>WG Officer Confirmation (802.18 Vice Chair, John Notor, 802.19 Vice Chair, Ivan Reede)*</b>	<b>Nikolich</b>	<b>0</b>	<b>01:16 PM</b>
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Approved with the approval of the agenda.

<b>4.00</b>		<b>LMSC Internal business</b>			<b>01:16 PM</b>
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<b>4.01</b>	<b>DT</b>	<b>802 Overview and Architecture report</b>	<b>Gilb</b>	<b>3</b>	<b>01:16 PM</b>
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Gilb provided verbal update. Conditional approval to be requested.

<b>4.02</b>	<b>II*</b>	<b>IEEE 802 EC Interim Teleconference, 9, October 2012- 1300-1500 Eastern Daylight Time*</b>	<b>Rosdahl</b>	<b>0</b>	<b>01:19 PM</b>
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Approved with the approval of the agenda.

4.03	MI	Treasurer's report	Chaplin	5	01:19 PM
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## Treasurer's Report

2012-07-20

### 2012 T1 Overview

Meeting Surplus/Loss	(\$80,837.00)
Other Income	\$1,257.90
Other Expenses	(\$6,953.92)
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Net Change	(\$86,553.02)
Reserve	\$925,781.51
Petty Cash	\$2,000.00
Singapore Deposit	SGD 215,336.82

# 2012 T1 Meeting Waikoloa Income

IEEE Project 802									
Statement of Operations									
March 2012 Plenary Session									
Waikoloa									
As of 05 July 2012									
Income	Actual				Budget			Var	Var %
	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	10%	\$9,897	20%	
Other			\$ -	0%	\$ -	0%	\$0		
<b>Total Session Income</b>			<b>\$ 430,897</b>	<b>14%</b>		<b>\$ 483,600</b>	<b>10%</b>	<b>(\$52,703)</b>	<b>-11%</b>

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

## 2012 T1 Other Income

Interest	\$1,257.90
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## 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)
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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 %
	Fee	Net	Net Amt	%	Net	Net Amt	%		
<b>Income</b>									
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	
<b>Net Registration Income</b>	\$ 445	<b>832</b>	<b>\$ 380,725</b>	<b>86%</b>	650	<b>\$289,500</b>	<b>83%</b>	<b>\$71,450</b>	<b>25%</b>
<b>Non-registration Income</b>									
Deadbeat collections			\$ -	0%			0%	\$0	
Comps, Commissions & Discounts			\$ 62,370	14%		\$ 60,000	17%	\$2,370	4%
Other			\$ -	0%		\$ -	0%	\$0	
<b>Total Session Income</b>			<b>\$ 443,095</b>	<b>14%</b>		<b>\$ 349,500</b>	<b>17%</b>	<b>\$73,820</b>	<b>21%</b>

# 2012 T2 Meeting San Diego Expense Estimate

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 Contribution (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!
<b>Total Session Expense</b>	<b>\$ 442,553</b>	<b>100%</b>	<b>\$ 360,225</b>	<b>100%</b>	<b>\$62,923</b>	<b>17%</b>
<b>Net Session Surplus/(Loss)</b>	<b>\$ 543</b>		<b>\$ (10,725)</b>			

## 2012 T2 Other Income Estimate

Interest

\$1,250.00

## 2012 T2 Other Expenses Estimate

CPA Time (2011 reconstruction)	(\$2,047.50)
Audit for 2011	(\$6,000.00)
Other	(\$1,000.00)
 Total	 (\$9,047.50)

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	

Time 1:22

<b>4.04</b>	<b>MI</b>	<b>OM Approval</b>	<b>Gilb</b>	<b>10</b>	<b>01:24 PM</b>
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Gilb presented Document ec-EC-12-0023-01. See following pages.

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	

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, ~~When~~ 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, 2<sup>nd</sup> paragraph).*

*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~~

...

## 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 15<sup>th</sup> 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](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](http://grouper.ieee.org/groups/802/misc-docs/802%20LMSC%20chair_guidelines_rev1.9.7.pdf)

Motion #5	Approve changes to OM in Document 802 EC-12-0026-02	
Moved	Rosdahl	
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



### 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.”



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## OM – Proposed additional text:

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**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.”



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## References

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### LMSC OM:

[http://grouper.ieee.org/groups/802/PNP/2012-03/IEEE\\_802\\_LMSC\\_OM\\_approved\\_120604.pdf](http://grouper.ieee.org/groups/802/PNP/2012-03/IEEE_802_LMSC_OM_approved_120604.pdf)



Motion #6	Move to accept changes in ec-12-00-0027-02
Moved	Rosdahl
Second	Gilb
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 #7	Move to accept changes in Recommended Operations Manual changes in 2012-06-03, Slide #3	
Moved	Rosdahl	
Second	Chaplin	
Results	(y/n/a):	7/6/1
Motion	Fails	(need 2/3)



4.05	II	Update - 802 Principles for Industry Connections	D'Ambrosia	5	01:34 PM
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D'Ambrosia presented EC-12-0045-00

# 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](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

- ICom 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 ICom 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
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Rosdahl presented slides from EC-12-0039-01

July 2012

doc.: IEEE 802 EC-12/00039r1

## Friday, Closing EC Meeting

July 20, 2012  
ExSec Agenda Items

Submission

Slide 16

Jon Rosdahl, CSR

July 2012

doc.: IEEE 802 EC-12/00039r1

## 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

Submission

Slide 17

Jon Rosdahl, CSR

## 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 2<sup>nd</sup>: 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 2<sup>nd</sup>: 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<sup>(2)</sup>

- **Motion to affirm the approval of the following Venue locations:**
  - 2016 July – San Diego, California
  - 2018 July – San Diego, California
- **Moved: Jon Rosdahl 2<sup>nd</sup>: 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<sup>(3)</sup>

- **Motion to affirm the approval of the following Venue locations:**
  - 2015 July – Waikoloa, Kona, HI
- **Moved: Jon Rosdahl 2<sup>nd</sup>: 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	MI	Sponsor Solicitation	Rosdahl	5	01:49 PM
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July 2012

doc.: IEEE 802 EC-12/00039r1

## 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.

Submission

Slide 24

Jon Rosdahl, CSR

July 2012

doc.: IEEE 802 EC-12/00039r1

## 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)

Submission

Slide 25

Jon Rosdahl, CSR

## 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.



23 July 2012

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

Subj: 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](mailto:802info@ieee.org) and to [BRigsB@ieee.org](mailto:BRigsB@ieee.org).

Thank-you for your interest and support,

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

<b>4.08</b>	<b>MI</b>	<b>2012 Nov EC Workshop</b>	<b>Rosdahl</b>	<b>5</b>	<b>01:54 PM</b>
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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 to fund 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
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Law gave update.(Slides 2-4 of 802d3\_0712\_closing\_EC.pdf)

# ME: IEEE P802.3bn Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax

## IEEE P802.3bn PAR and Five Criteria

- Title  
Standard for Information technology--  
Telecommunications and information exchange between systems--Local and metropolitan area networks--Specific requirements Part 3: Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications Amendment: Physical Layer Specifications and Management Parameters for Ethernet Passive Optical Networks Protocol over Coax
- Draft PAR  
[http://www.ieee802.org/3/epoc/P802\\_3bn\\_PAR\\_180712.pdf](http://www.ieee802.org/3/epoc/P802_3bn_PAR_180712.pdf)
- Draft 5C  
[http://www.ieee802.org/3/epoc/EPoC\\_5Criteria\\_draft\\_0719.pdf](http://www.ieee802.org/3/epoc/EPoC_5Criteria_draft_0719.pdf)

# IEEE P802.3bn PAR and Five Criteria

- The EC approves the IEEE P802.3bn PAR and Five Criteria to be submitted for the August 2012 NesCom agenda.

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request: Y: 105, N: 0, A: 2

Broad Market Potential criterion: Y: 97, N: 0, A: 3

Compatibility criterion: Y: 95, N: 0, A: 3

Distinct Identity criterion: Y: 101, N: 0, A: 2

Technical Feasibility criterion: Y: 99, N: 0, A: 2

Economic Feasibility criterion: Y: 105, N: 0, A: 2

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
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Law gave update. .(Slides 5-7 of 802d3\_0712\_closing\_EC.pdf)

# ME: IEEE P802.3bm Physical Layer Specifications and Management Parameters for 40 Gb/s and 100 Gb/s Operation Over Fiber Optic Cables

## IEEE P802.3bm PAR and Five Criteria

- Title  
Standard for Information technology--  
Telecommunications and information exchange  
between systems--Local and metropolitan area  
networks--Specific requirements Part 3: Carrier Sense  
Multiple Access with Collision Detection (CSMA/CD)  
Access Method and Physical Layer Specifications  
Amendment: Physical Layer Specifications and  
Management Parameters for 40 Gb/s and  
100 Gb/s Operation Over Fiber Optic Cables
- Draft PAR  
[http://www.ieee802.org/3/100GNGOPTX/P802\\_3bm\\_PAR\\_190712.pdf](http://www.ieee802.org/3/100GNGOPTX/P802_3bm_PAR_190712.pdf)
- Draft 5C  
[http://www.ieee802.org/3/100GNGOPTX/dove\\_02\\_0712\\_optx.pdf](http://www.ieee802.org/3/100GNGOPTX/dove_02_0712_optx.pdf)

# IEEE P802.3bm PAR and Five Criteria

- The EC approves the IEEE P802.3bm PAR and Five Criteria to be submitted for the August 2012 NesCom agenda.

M: Law S: D'Ambrosia

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

Working Group votes on approval of individual items:

Project Authorization Request: Y: 110, N: 0, A: 0

Broad Market Potential criterion: Y: 113, N: 0, A: 0

Compatibility criterion: Y: 107, N: 0, A: 0

Distinct Identity criterion: Y: 108, N: 0, A: 1

Technical Feasibility criterion: Y: 109, N: 0, A: 0

Economic Feasibility criterion: Y: 110, N: 0, A: 1

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	

Law gave update. .(Slides 8-11 of 802d3\_0712\_closing\_EC.pdf)

## ME: IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (revision) forward to RevCom (conditional)

### IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (revision) conditional to RevCom

- Item 1 - Date the ballot closed:
  - The 2<sup>nd</sup> Sponsor recirculation ballot on IEEE P802.3 draft D3.2 closed on June 13<sup>th</sup> at 11:59 PM ET 2012
- Item 2 - Vote tally:

	2 <sup>nd</sup> Sponsor Recirculation Draft D3.2			Req %
	#	%	Status	
Abstain	10	6	PASS	< 30
Disapprove with comment	8	-	-	-
Disapprove without comment	0	-	-	-
Approve	125	93	PASS	≥ 75
Ballots returned	143	84	PASS	≥ 75
Voters	170	-	-	-

Comments: 4

## IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (revision) conditional to RevCom

- Item 3 - Comments that support the remaining disapprove votes and WG responses
  - 49 unresolved negative comments from 6 commenters
    - Initial: 30 comments from 3 commenters
    - 1<sup>st</sup> recirculation: 16 from 3 commenters (one also from initial)
    - 2<sup>nd</sup> recirculation: 3 from 2 commenters (one also from 1<sup>st</sup> recirc)
  - See attached file 'IEEE802d3\_SB\_unsatisfied\_comments.pdf'
- Item 4 - Schedule for recirculation ballot and resolution meeting
  - Recirculation ballot open date July 18<sup>th</sup> 2012
  - Recirculation ballot close date August 6<sup>th</sup> 2012
  - Proposed interim meeting date (if required) September 23<sup>rd</sup> 2012

## IEEE P802.3 (IEEE 802.3bh) Maintenance #10 (revision) conditional to RevCom

- The LMSC Executive Committee grant RevCom submittal conditional approval for IEEE P802.3 (IEEE 802.3bh)

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

Working Group vote:  
Y: 92, N: 0, A: 9

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
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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
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Kraemer gave update.

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

## 802.11 CMMW SG PAR approval motion

Submission Slide 3 Bruce Kraemer, Marvell

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

### 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

Submission Slide 4 Bruce Kraemer, Marvell

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

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

## P801.11ac PAR extension motion

Submission Slide 5 Bruce Kraemer, Marvell

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

## 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

Submission Slide 6 Bruce Kraemer, Marvell

Motion #17	Approve the PAR extension contained in <a href="#">11-12/940r0</a> 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
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Kraemer gave update.

July 2012

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

## 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
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Kraemer gave update.

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

## 802.11ad conditional approval to NesCom

Submission Slide 7 Bruce Kraemer, Marvell

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

### 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](#)**

Submission Slide 8 Bruce Kraemer, Marvell

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
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Marks gave update. Comment resolutions were presented (see next page, and available at the following URL - <http://tinyurl.com/89q7moy>).

Motion 20	To forward the P802.16.3 PAR ( <a href="#">IEEE 802.16-12-0489-00</a> ) 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	Consensil 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 Nikolic	802 EC Chair	802.16-12-0476	Joint Sponsor observation: I notice MTT/SCC is not included in this PAR as a Joint Sponsor, which caused me to pose the question in 1D above	noted.		
Paul Nikolic	802 EC Chair	802.16-12-0476	<p>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.</p> <p>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.</p> <p>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?</p>	<p>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.</p>	<p>Roger,</p> <p>Thank you for the WG and the SG for the responses to my comments, they are acceptable and I fully support the proposed project.</p> <p>EC Members, please take note--since the proposed project breaks new ground for 802 in that it:</p> <p>a) will specify operations at OSI layers not traditionally addressed by 802 standards, and</p> <p>b) has cross-working group applicability.</p> <p>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.</p> <p>Regards,</p> <p>--Paul</p>	
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
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Marks gave update. Comment resolutions were presented (see next page, and available at the following URL - <https://mentor.ieee.org/802.16/dcn/12/16-12-0482-01>).

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
16-12-0481-00-04et	IEEE 802 Secretary	John D'Ambrosio	Comment on Detail Identity Criteria for 802.16p. The beginning of the second sentence talks about "capabilities" and then discusses "it requires". Suggested rewording is provided.  Detail: 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."
16-12-0483-00-04et	IEEE 802.12 Working Group	Aparna N. Mody	Comment: SC suggests that this amendment targeted 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 3.1 of the PAR Document has been amended as follows: "(3.2.b) The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0479-00-04et	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 3.1 of the PAR Document has been amended as follows: "(3.3) The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells."
16-12-0479-00-04et	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 3.2.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 for 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."
16-12-0479-00-04et	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 3.2.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.
16-12-0479-00-04et	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: "(3.3) The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells.  3.2.1) 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.  3.2.1) The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0477-00-04et	IEEE 802.11 Working Group		* In 3.1, 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: "(3.3) The 'variety of overlaid smaller cells' includes micro cells, pico cells, and femto cells.  3.2.1) 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.  3.2.1) The enhancements specified by this amendment are limited to licensed-band operation."
16-12-0477-00-04et	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 802.11 responded in their case about conformance to 802.15.3.	The following sentence has been removed from Section 3.1 of the PAR Document and appended to Section 3.2.b of the PAR Document: "This amendment shall comply with IEEE Std 802, IEEE Std 802.10, and IEEE Std 802.1Q."
16-12-0475-00-04et	IEEE 802 Chair	Ivan Nikolich	a. 3.2.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 Criteria, but it is never defined. In my mind it is an ambiguous term, that needs definition. Only after sitting through Harry Shin'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 draft and add a definition for "multi-tier networks" in 3.1 Additional Explanatory Notes. Perhaps the term is defined in the 802.16 base standard, if so, I suggest you reference that definition.	Section 3.1 of the PAR Document has been amended as follows: "(3.2.b) 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."
16-12-0475-00-04et	IEEE 802 Chair	Ivan Nikolich	b. Joint Sponsor question. If MTT/SC 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/SC 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
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Marks presented slides from IEEE 802.16-12-0447-02. (<https://mentor.ieee.org/802.16/dcn/12/16-12-0447>). This file also includes comment resolutions.

IEEE 802.16-12-0447-02-Gdoc

## 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

<b>Stage</b>	<b>Open</b>	<b>Close</b>
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

4

	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:

## Schedule for recirculation ballot and resolution meeting

- Recirculation #3: 15 day, started 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
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Marks presented slides from IEEE 802.16-12-0448-02. (<https://mentor.ieee.org/802.16/dcn/12/16-12-0448>). This file also includes comment resolutions.

IEEE 802.16-12-0448-02-Gdoc

# 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

<b>Stage</b>	<b>Open</b>	<b>Close</b>
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:

## Schedule for recirculation ballot and resolution meeting

- Recirculation #3: 15 day, started 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	

5.13	ME	802.16n, Forward to Sponsor Ballot (conditional)	Marks	5	02:54 PM
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Marks presented slides from IEEE 802.16-12-0513-00. (<https://mentor.ieee.org/802.16/dcn/12/16-12-0513>).

IEEE 802.16-12-0513-00-Gdoc

# 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

<u>Stage</u>	<u>Open</u>	<u>Close</u>
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 definition 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 definition 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	Superseded	Superseded - affected parts have been removed by 101.
The definition of Self-coexistence is not clear. What does "coexistence of multiple HR cells" mean? What about non-HR-cells?	104	Superseded	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 R02.16Rev3, 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	Superseded	Superseded 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 1bp 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 presented slides from IEEE 802.16-12-0154-00. (<https://mentor.ieee.org/802.16/dcn/12/16-12-0514>).

IEEE 802.16-12-0154-00-Gdoc

# 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

<u>Stage</u>	<u>Open</u>	<u>Close</u>
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.(Slides 12-13 of 802d3\_0712\_closing\_EC.pdf)

## MI: IEEE 802.3 Next Generation 40Gb/s and 100 Gb/s Optical Ethernet Study Group (3rd extension)

### IEEE 802.3 Next Generation 40 Gb/s and 100 Gb/s Optical Ethernet Study Group (3rd extension)

**Motion:**

The LMSC Executive Committee grants an extension to the IEEE 802.3 Next Generation 40Gb/s and 100 Gb/s Optical Ethernet Study Group

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 110, N: 0, A: 2

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	

6.02	MI	IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (2nd extension)	Law	5	03:09 PM
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Law gave update.(Slides 14-15) of 802d3\_0712\_closing\_EC.pdf)

## MI\*: IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (2nd extension)

Version 1.1

IEEE 802.3 Closing EC Items

Page 14

### IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group (2nd extension)

**Motion:**

The LMSC Executive Committee grants an extension to the IEEE 802.3 EPON Protocol over a Coax (EPoC) PHY Study Group

M: Law, S: D'Ambrosia

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

Working Group vote:

Y: 107, N: 0, A: 1

Version 1.1

IEEE 802.3 Closing EC Items

Page 15

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

6.03	MI*	IEEE 802.3 Reduced Pair 1 Gb/s Ethernet Study Group (1st extension)*	Law	0	03:14 PM
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Approved with approval of agenda. Reference slides 16 - 17 of ) of 802d3\_0712\_closing\_EC.pdf).

Law gave update.(Slides 18-19) of 802d3\_0712\_closing\_EC.pdf)

# MI: IEEE 802.3 Next Generation BASE-T Study Group

## IEEE 802.3 Next Generation BASE-T Study Group

### Motion:

The LMSC Executive Committee grants approval for the formation of the IEEE 802.3 Next Generation BASE-T Study Group within IEEE 802.3

M: Law, S: D'Ambrosia

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

112 CFI attendees, 51 interested in participating

Working Group vote:

Y: 85 N: 4 A: 7

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
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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
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D'Ambrosia presented Document 12-0033-01. Document shown was final version with change bars shown. 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

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## 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.]]

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## 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 <a href="mailto:jdambrosia@ieee.org">jdambrosia@ieee.org</a> 717.460.8535	Dell	Dell
Mark Nowell	3000 Innovation Drive Core Routing BU Kanata, Ontario, Canada <a href="mailto:Mnowell@cisco.com">Mnowell@cisco.com</a> +1 (613) 254-3391	Cisco Networks	Cisco Networks
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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
<u>1.2</u>	<u>John D'Ambrosia</u>	<u>19 July 2012</u>

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6.07	MI	802.11, China millimeter Wave SG (2rd extension)	Kraemer	5	03:29 PM
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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

Submission Slide 10 Bruce Kraemer, Marvell

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**

Submission Slide 11 Bruce Kraemer, Marvell

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
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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

Submission Slide 12 Bruce Kraemer, Marvell

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**

Submission Slide 13 Bruce Kraemer, Marvell

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	

Time: 3:29PM:

6.09	MI	802.11, General Link Study Group (new SG)	Kraemer	5	03:39 PM
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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
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Approved with approval of agenda.

6.11	MI*	802.16, WirelessMAN radio interface in Heterogeneous Networks (1st Extension)	Marks	0	03:44 PM
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Approved with approval of agenda.

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

July 2012

doc.: IEEE 802.22-12/0074r00

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

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Submission Apurva N. Mody, BAE Systems

July 2012

doc.: IEEE 802.22-12/0074r00

### 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 Beaconsing 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**

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Submission

Apurva N. Mody, BAE Systems

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**P802.22 EC Motion**

**Move that the EC allows formation of an Advanced Beaconsing 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**

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Submission

Apurva N. Mody, IBAE Systems

Motion #34	Move that the EC allows formation of an Advanced Beaconsing 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
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Gilb presented <https://mentor.ieee.org/802.24/dcn/12/sg-12-0010-00-00sg-july-2012-closing-report.odp>

May 2012

sg-12-0010-00-00sg

## IEEE 802 Smart Grid ECSG July 2012 closing report

802 Smart Grid ECSG

James Gilb (Tensorcom)

May 2012

sg-12-0010-00-00sg

### 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

802 Smart Grid ECSG

James Gilb (Tensorcom)

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## 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

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## 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.

## Als 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.



6.14	MI	IEEE 802.1, Formation of study group for 802.11 Bridging Support	Jeffree	5	03:59 PM
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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	

6.15	ME	IEEE 802.1, P802.1Q/Cor-2 to RevCom (Conditional)	Jeffree	5	04:04 PM
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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 attachment 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
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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](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	

6.17	ME	IEEE 802.1, P802.1AEbw to Sponsor Ballot (Unconditional)	Jeffree	5	04:14 PM
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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	

6.18	ME	IEEE 802.1, P802 O&A to Sponsor ballot (Conditional)	Jeffree	5	04:19 PM
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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 2<sup>nd</sup> 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	

6.19	ME	IEEE 802.1, P802.1Q Revision PAR to NesCom	Jeffree	5	04:24 PM
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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	

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

**NOT FOR IMMEDIATE RELEASE**

Contact:  
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**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?qid=1791118> or on the Standards Insight Blog at <http://www.standardsinsight.com>.

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###

### **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
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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				

**NOT FOR IMMEDIATE RELEASE**

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



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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
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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
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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
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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
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Approved with approval of agenda.

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

7.08	ME	Global Standards Co-operation	Mills / Law	5	04:49 PM
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Mills presented 120720-mill-ec-motions.revised.v1.pptx and presented Global Open Standards Development Affirmation of Principles.

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 <a href="http://www.ieee802.org/secmail/pdfkFMi9a1txH.pdf">http://www.ieee802.org/secmail/pdfkFMi9a1txH.pdf</a>				
Moved	Law				
Second	Kraemer				
Results	(y/n/a)	14/0/0			
Motion	Passes				

Time: 4:25pm

**July 2012**

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## 802.11 July 2012 EC Motion

**Date:** 2012-07-18

**Authors:**

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

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Submission

Slide 1

Bruce Kraemer, Marvell

**July 2012**

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## 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**

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Submission

Slide 2

Steve Mills, HP

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

**July 2012**

**doc.: 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, ~~SMdev@B~~

Motion #47	Appoint Bruce Kraemer as HoD of the IEEE 802 delegation to the SC6 meeting in Sept 2012 and authorise him to:	
	<ul style="list-style-type: none"> <li>- Appoint the IEEE 802 delegation</li> <li>- Approve any necessary submissions</li> <li>- Call any necessary preparation teleconferences</li> </ul>	
Moved	Rosdahl	
Second	Lynch	
Results	(y/n/a)	12/0/1
Motion	Passes	

7.11	ME	Liaison documents for ISO/IEC JTC1/SC6 meeting in Graz, Austria in Sept 2012	Kraemer	5	04:59 PM
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Kraemer presented Slide 20 of IEEE 802 EC-12-0042-00

**July 2012**

**doc.: 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	

7.12	II	Liaison to IETF related to TRILL (MESH Protocol) and IANA	Kraemer	2	05:04 PM
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Kraemer presented slides 21 through 23 of of IEEE 802 EC-12\_0042-00

July 2012

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

## 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.pptx](#)” to the IETF Security Area Directors and any persons he deems appropriate***
  - *WG result: 52,0,4*

Submission

Slide 21

Bruce Kraemer, Marvell

July 2012

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

## 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 apprised of your progress.

Submission

Slide 22

Bruce Kraemer, Marvell



## 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”.

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 liaison 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
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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
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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
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Approved with approval of agenda.

7.16	II	Status Update on Joint IEEE 802 / IETF Leadership Meeting	Thaler	5	05:06 PM
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Thaler gave verbal update on the meeting progress.

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

Gilb stated that there is no meeting manager position yet, it won't exist until after the close of the meeting. Hence, no confirmation is possible. Chair was asked by an EC member if he had appointed Rigsbee to be the IEEE 802 EC Meeting Manager. Chair confirms 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
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8.01	II	Electronic Tools	Boyce	5	05:16 PM
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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
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9.01	II	JTC1 ad-hoc report	Myles	5	05:21 PM
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Verbal report: by Myles

802.11 is collaborating with SC6 by sharing drafts. 802.11-2012 has been sent to ISO.

802 and SC6 hope to form of an agreement between the two groups that clarifies editing responsibility remains with original author of the standard – even after it has been submitted to ISO. WG Chairs for 802.1 and 802.3 expressed their personal opinions that it appears to be headed in the right direction, but would need to review the final agreement wording with their respective working groups.

9.02	II	Regulatory report	Lynch	1	05:26 PM
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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
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Rosdahl presented: EC12/00039r2, Slide 29

**March 2012**

**doc.: IEEE 802 EC-12/00039r2**

## 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.

Submission

Slide 29

Jon Rosdahl, CSR

9.04	II*	Appeals report - no appeals	D'Ambrosia	0	05:32 PM
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Approved with appeal of agenda.

9.05	II	Network Services report	Alfvin	5	05:32 PM
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Verbal report: Peaked at 76M – average highs were in the 40's

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

<b>9.07</b>	<b>II</b>	<b>University Outreach Update</b>	<b>Law</b>	<b>2</b>	<b>05:39 PM</b>
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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

<b>9.08</b>	<b>II</b>	<b>ITU-T T&amp;R Liaison Implementation Plan</b>	<b>Haasz</b>		
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Verbal Report by Haasz

Haasz / Law to provide overview plan in future.

<b>9.09</b>	<b>II</b>	<b>Liaison response to the ITU liaison ols 358</b>	<b>Jeffree</b>		
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Verbal Report by Jeffree. This particular group tracks state of standards. They have been updated on IEEE 802.

<b>9.10</b>	<b>II</b>	<b>Liaison response to the ITU liaison ols 378</b>	<b>Jeffree</b>		
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Verbal Report by Jeffree. Responded to inquiry about multi-point connections.

<b>10.00</b>		<b>ADJOURN SEC MEETING</b>	<b>Nikolich</b>		<b>6:00pm</b>
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Meeting adjourned @ 5:52pm