

**AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE
MEETING (revised April 9, 2005)**

Monday, March 14, 2005 – 8:00 a.m.

Atlanta, GA

- 5 Paul Nikolich - Chair, IEEE 802 LAN / MAN Standards Committee
- Pat Thaler - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Mat Sherman - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Bob O'Hara - Recording Secretary, IEEE 802 LAN / MAN Standards Committee
- Buzz Rigsbee - Executive Secretary, IEEE 802 LAN / MAN Standards Committee
- 10 John Hawkins - Treasurer, IEEE 802 LAN/MAN Standards Committee
- Tony Jeffree - Chair, IEEE 802.1 - HILI Working Group
- Bob Grow - Chair, IEEE 802.3 - CSMA/CD Working Group
- Stuart Kerry - Chair, IEEE 802.11 - Wireless LANs Working Group
- Bob Heile - Chair, IEEE 802.15 – Wireless PAN Working Group
- 15 Roger Marks - Chair, IEEE 802.16 – Broadband Wireless Access Working Group
- Mike Takefman - Chair, IEEE 802.17 – Resilient Packet Ring Working Group
- Mike Lynch (acting) - Chair, IEEE 802.18 – Regulatory TAG
- Steve Shellhammer - Chair, IEEE 802.19 – Wireless Coexistence TAG
- Jerry Upton - Chair, IEEE 802.20 – Mobile Broadband Wireless Access
- 20 Ajay Rajkumar - Chair, IEEE 802.21 – Media Independent Handover
- Carl Stevenson - Chair, IEEE 802.22 – Wireless Regional Area Networks
- Geoff Thompson - Member Emeritus (non-voting)

1.00 MEETING CALLED TO ORDER - Nikolich 1 08:00 AM

- 25 Paul Nikolich opened the meeting, welcoming everyone to the 25th anniversary plenary session.

IEEE
Standards Project Authorization

1. <u>August 26, 1979</u> Date of Request	Project No. <u>802</u> Approved: <u>3/13/80</u> Date <small>For Standards Committee Use Only</small>
2. <input checked="" type="checkbox"/> New Standard <input type="checkbox"/> Revision of _____ Standard No. _____	<input type="checkbox"/> Reaffirmation of _____ <input type="checkbox"/> Withdrawal of _____ Standard No. _____
3. Project Title: <u>Local network for Computer Interconnection.</u>	
4. Scope and Purpose of Proposed Standard: <u>The proposed standard will apply to data processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.</u>	
5. Sponsor: <u>Computer Standards</u> <u>Computer Society</u> <small>Technical Committee Society</small>	
5a. Proposed ANSI Committee: <u>X3</u>	ANSI Project #: _____ Date Approved: _____
6. Proposed Coordination: <u>Dr. Herbert Hecht Computer Society Representative to X3. Also coordination with IEC Committees will be undertaken. Minutes will be mailed to ANSI X3 Secretary.</u>	
7. Name of Group that will Write the Standard: <u>Microprocessor Standards</u> <u>Local Network</u> <small>Subcommittee Working Group</small>	
8. Estimated Final Ballot Date: <u>December 1982</u> <u>March 1983</u> <small>To Technical Committee To Standards Board</small>	
9. Person Designated to Receive Communications and Conduct Liaison with Interested Bodies: Name: <u>Marty Graube</u> Company: <u>Tektronix, Inc.</u> Street address: <u>P. O. Box 500, M/S 5B-188</u> <u>Beaverton, OR 97077 (503) 644-0161 Ext. 6234</u> City State Zip Code Telephone	
10. Submitted by: <u>Dr. Robert G. Stewart</u> Name: _____ Company: <u>Stewart Research Enterprises</u> <u>1658 Belvoir Drive</u> Street address: _____ <u>Los Altos, CA 94022 (415) 941-6699</u> City State Zip Code Telephone	

Form ST-1A-1978

25th Anniversary of Project 802
13 March 1980

14 March 2005

Opening EC Meeting
8 AM-10:30AM

Original Title and Scope of 802

3. Project Title: Local network for Computer Interconnection.
4. Scope and Purpose of Proposed Standard: The proposed standard will apply to Data Processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.

IEEE 802 ORGANIZATION

EXECUTIVE COMMITTEE (EC)

CHAIR
Paul Nikolich

WORKING GROUP/TAG CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Bob Grow

802.11
WLAN
Stuart J. Kerry

802.18 TAG
Radio Regulatory
Mike Lynch

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

802.17
ResPackRing
Mike Takefman

802.19 TAG
Coexistence
Shellhammer

802.20
MBWA
Jerry Upton

802.21
Handoff
AJ Rajkumar

802.22
TV Bands
Stevenson

APPOINTED OFFICERS

1st VICE CHAIR
Mat Sherman

2nd VICE CHAIR
Pat Thaler

EXECUTIVE SECY
Buzz Rigsbee

RECORDING SECY
Bob O'Hara

TREASURER
John
Hawkins

**MEMBER
EMERITUS**
Geoff
Thompson

HIBERNATION

802.2 LLC (Dave Carlson)
802.5 Token Ring (Bob Love)
802.12 Demand Priority (Pat Thaler)

DISBANDED

802.4 Token Bus
802.7 Broadband TAG
802.9 ISLAN
802.14 CATV
802.6 DQDB
802.8 Fiber Optic TAG
802.10 Security

In Memorium

- Robert Anderson Donnan, 84, of Beaufort, North Carolina died Monday, January 10, 2005.
 - Bob was a member of the original group that formed IEEE Project 802 and served as the first Chairman of the 802.5 Token Ring Working Group until his retirement in 1994.
 - As chair of the Token Ring Working Group, Bob concentrated on process and generally let the experts debate the detailed standard. However, when debate bogged down, he was often able to clarify the issues to keep the group moving. His generally informal folksy style of running the group endeared him to many of us. He showed us how to make progress by team building and listening, and served as a mentor to those that worked with him.
 - Bob was a good friend to many of us. We honor him for his contributions to IEEE 802, and are thankful for his friendship and for his help. We will remember him with fondness. We are sorry to here of his passing.

5.25	II	notice of Study Groups under consideration	-	WG chairs	10	10:15 AM
5.26	II	MyBallot beta test update	-	Grow	5	10:20 AM
5.27	MI	Downloadable extracts/normative data for 802 standards	-	Grow	10	10:30 AM
5.28	II	EC Procedures for Openness	-	Sherman	10	10:40 AM
5.29	II	Networking RFQ	-	Thaler	10	10:50 AM
5.30	II	CFI 802.22	-	Stevenson	1	10:50 AM
5.31	II		-			10:50 AM
5.32	II		-			10:50 AM
5.33	II		-			10:50 AM
5.34	II		-			10:50 AM
5.35	II		-			10:50 AM
5.36	II		-			10:50 AM
5.37	II		-			10:50 AM
5.38	II		-			10:50 AM
5.39	II		-			10:50 AM
5.40	II		-			10:50 AM
5.41	II		-			10:50 AM
5.42	II		-			10:50 AM
5.43	II		-			10:50 AM
5.44	DT	SEC meeting schedule (rules, SA, etc.)	-	Nikolich	3	10:53 AM
		ADJOURN SEC MEETING	-	Nikolich		10:53 AM
6.00	PL	IEEE 802 PLENARY MEETING STARTS	-	Nikolich	60	11:00 AM
6.01	PL	IEEE 802 PLENARY MEETING ENDS				12:00 PM

ME - Motion, External MI - Motion, Internal

DT- Discussion Topic II - Information Item

Special Orders

Motion: to approve the agenda as modified.

Moved: Carl Stevenson/Stuart Kerry

5 **Passes: 15/0/0**

4.00	II	TREASURER'S REPORT	-	Hawkins	5	08:05 AM
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**IEEE Project 802
Statement of Operations
Nov 2004 Plenary Session
San Antonio, TX
As of Mar 13th, 2005**

Session Income		Actual	Budget	Deviation
Registrations		1,579	1,250	329
966 Early registrations	@ \$300	289,800	225,000	64,800
6 Early cancellations	@ \$300	-1,800		
28 Cancellations	@ \$250	-7,000		
643 Web registrations	@ \$350	225,050	175,000	50,050
3 Cancellations	@ \$300	-900		
6 On-site registrations	@ \$350	2,100		
1 Other	@ \$100	100		
Registraion Subtotal		<u>507,350</u>	<u>400,000</u>	107,350
0 Deadbeat Payment	@ \$350	0	0	0
Interest		152	60	92
Other		<u>2,450</u>	<u>0</u>	2,450
TOTAL Session Income		509,952	400,060	109,892
Session Expenses		Actual	Budget	
Audio Visual Rentals		28,711	15,000	(13,711)
Audit		0	0	0
Bank Charges		412	278	(134)
Copying		3,707	3,500	(207)
Credit Card Discounts & Fees		13,463	10,800	(2,663)
Equipment Expenses		16,834	9,000	(7,834)
Get IEEE 802 Contribution		118,425	93,750	(24,675)
Insurance		0	0	0
Meeting Administration		101,411	76,838	(24,573)
Misc Expenses		9,791	20,500	10,709
Networking		116,027	54,388	(61,639)
Phone & Electrical		7,557	2,100	(5,457)
Refreshments		125,600	100,000	(25,600)
Shipping		8,911	4,500	(4,411)
Social		48,042	40,000	(8,042)
Supplies		<u>1,693</u>	<u>500</u>	(1,193)
TOTAL Session Expense		600,584	431,154	(169,430)
NET Session Surplus/(Deficit)		<u>(90,632)</u>	<u>(31,094)</u>	(59,538)
Analysis				
Refreshments per registration		80	80	0
Social per registration		30	32	2
Meeting Admin per registration		64.23	61.47	(3)
Surplus/(Loss) per registration		(57)	(25)	(33)
Pre-Registration ratio		0.61	0.60	

**IEEE Project 802
Statement of Operations
Jan 2005 Interim Session
Vancouver, BC
As of Mar 13th, 2005**

Session Income	Actual	Budget	Deviation
Registrations	218	215	3
125 Early registrations @ \$225	28,125	43,538	(15,413)
1 Early cancellations @ \$225	-225		
3 Cancellations @ \$175	-525		
97 Web registrations @ \$275	26,675	5,913	20,763
0 Cancellations @ \$225	0		
0 On-site registrations @ \$275	0		
0 Other @ \$100	0		
Registraion Subtotal	54,050	49,450	2,979
0 Deadbeat Payment @ \$350	0	0	0
Interest	0	0	0
Other	0	0	0
TOTAL Session Income	52,429	49,450	2,979
Session Expenses	Actual	Budget	
Audio Visual Rentals	1,424	1,000	(424)
Audit	0	50	50
Bank Charges	0	50	50
Copying	0	150	150
Credit Card Discounts & Fees	1,741	1,335	(406)
Equipment Expenses	0	0	0
Get IEEE 802 Contribution	0	0	0
Insurance	0	0	0
Meeting Administration	21,021	21,605	584
Misc Expenses	0	500	500
Networking	2,912	3,010	98
Phone & Electrical	100	500	400
Refreshments	9,911	20,000	10,089
Shipping	2,503	1,000	(1,503)
Social	0	0	0
Supplies	432	450	18
TOTAL Session Expense	40,044	49,650	9,606
NET Session Surplus/(Deficit)	12,385	(200)	12,585
Analysis			
Refreshments per registration	45	93	48
Social per registration	0	0	0
Meeting Admin per registration	96.43	100.49	4
Surplus/(Loss) per registration	57	(1)	58
Pre-Registration ratio	0.57	0.90	

IEEE Project 802
Estimated Statement of Operations
March 2005 Plenary Session
Atlanta, GA
As of Mar 13, 2004

Meeting Income	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>	
Registrations	1,550	1,200	350	29.2%
Registration income	496,000	384,000	112,000	29.2%
Deadbeat collections	0	0	0	
Bank interest	150	150	0	0.0%
Other income	0	0	0	
TOTAL Meeting Income	496,150	384,150	112,000	29.2%
Meeting Expenses	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>	
Audio Visual Rentals	20,000	15,000	(5,000)	-33.3%
Audit	6,000	6,000	0	0.0%
Bank Charges	275	230	(45)	-19.6%
Copying	3,500	5,500	2,000	36.4%
Credit Card Discount	13,396	10,752	(2,644)	-24.6%
Equipment Expenses	12,000	9,000	(3,000)	-33.3%
Get IEEE 802 Contribution	116,250	90,000	(26,250)	-29.2%
Insurance	0	3,000	3,000	100.0%
Meeting Administration	21,100	75,064	53,964	71.9%
Misc Expenses	500	500	0	0.0%
Network	50,000	34,388	(15,612)	-45.4%
Phone & Electrical	2,500	2,100	(400)	-19.0%
Refreshments	124,000	72,000	(52,000)	-72.2%
Shipping	4,500	3,100	(1,400)	-45.2%
Social	46,500	42,000	(4,500)	-10.7%
Supplies	500	500	0	0.0%
TOTAL Meeting Expense	421,021	369,134	(51,887)	-14.1%
NET Meeting Income/Expense	75,129	15,016	60,113	
Analysis				
Refreshments per registration	80	60	(20)	25%
Social per registration	30	35	5	9%
Meeting Administration per registration	14	63	49	4%
Networking per registration	32	29	(4)	10%
Get IEEE 802 Contribution per registratio	75	75	0	23%
Surplus/Deficit per registration	48	13	36	
Pre-registration rate	0.600	0.600		

December 2004/Feb 2005

SA Standards Board Actions

Standards Approved

New: none

Revision:

P802.15.1/D6 (C/LM) Standard Part 15.1: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks (WPANs) (Feb05)

Administrative Withdrawals: none

Reaffirmations: none

December 2004/Feb 2005

SA Standards Board Actions

Projects Approved

802.1ah Provider Backbone Bridges

802.1aj VLAN Two port MAC relay

802.1ak VLAN Multiple Registration Protocol

802.3ar Congestion Management

802.3as Frame Extension

802.11u Wireless Interworking with External Networks

802.11v Wireless Network Management

802.16h Improved Coexistence Mechanisms

802.17b RPR Amendment 1: Spatially Aware Sublayer

SASB Interaction

- Social event
 - Friday after closing EC meeting
- Open topic hour (maybe more)
 - EC ad hoc meeting
 - Objective: to get members of SASB and the EC to discuss issues that are of importance to 802 (e.g. internationalization, etc.)
 - The meeting would be open to anyone
 - Does Thursday PM work for interested EC members?
 - Similar in style to an EC meeting
 - Agenda thoughts?

March 2005 - Schedule of Meetings for IEEE-SA Standards Board and Committees

Date	Committee	Time	Meeting Room	Food
Friday, 18 March	Patent Committee	8:30am - 11:00am	Montreal	Breakfast
	New Member Orientation	11:00am - 12:00pm	Vancouver	Coffee/Soft Drinks
	Buffet Lunch	12:00pm - 1:00pm	Cairo	Lunch
	Procedures Committee (ProCom)	1:00pm - 4:00pm	Hong Kong	Coffee/Soft Drinks
	Audit Committee	4:00pm - 6:00pm	Montreal	Coffee/Soft Drinks
	IEEE 802 & S:B Social	6:30pm - 8:00pm	Executive Conference Room	Hors D'oeuvres
Saturday, 19 March	New Standards Committee (NesCom)	8:30am - 2:00pm	Cairo	Bkfst/Lunch
	Standards Review Committee (RevCom)	8:30am - 2:00pm	Hong Kong	Bkfst/Lunch
	Administrative Committee (AdCom)	3:00pm - 5:00pm	Montreal	Coffee/Soft Drinks
	Standards Forum	5:00pm - 7:00pm	Vancouver	Coffee/Soft Drinks
	Forum Dinner	7:00pm - 8:30pm	Singapore/Manilla	Dinner
Sunday, 20 March	STANDARDS BOARD	10:30am - 5:00pm	International North	Coffee/Soft Drinks
	Buffet Lunch	12:00pm - 1:00pm	Montreal/Vancouver	Lunch

5.01	II		-		08:12 AM
5.02	II	PARS to NesCom	-	Nikolich	2 08:12 AM

PARs to NesCom

- 802.3at Residential Ethernet
- 802.11w Protected Management Frames
- 802.15.3c mmWave alternate PHY
- PARS of interest outside 802
 - 1900.2 "Recommended Practice for Interference and Coexistence Analysis"
 - 1900.1 "Standard for Broadband over Power Line Networks: Medium Access Control and Physical Layer Specifications"

IEEE Staff Introductions

- Karen Kenney, Associate Managing Director
- Jennifer McClain Longman, Manager, Industry and Information Standards Publishing
- Andy Ickowicz, Staff Liaison
- Yvette Ho Sang, Manager, Stds Publishing
- Michelle Turner, Project Editor
- Michael Fisher, Program Manager
- Terry deCourcelle, Intl Stds Programs

IEEE-SA/802 Task Force

- Meeting held Nov 802 Plenary Session
 - Topics:
 - 802 News Bulletin—not released promptly due to lack of WG Chair input
 - Individual vs Entity Balloting—will it make a difference?
 - Email Ballot Rule—continue business as usual, action item for Law and Nikolich to draft text for WG to follow
 - P&P Project Update—Dave Ringle is completing 802 P&P review
 - GetIEEE802—program on budget
 - OnLine Training Project—Pat Thaler is leading
 - MyBallot Beta Testing—802.3 to volunteer
 - Entity Balloting
 - Complimentary Copies
 - Participants:
 - 802- Nikolich, Thomposn, Grow, Hawkins, Thaler, Marks
 - SA Staff-Longman, Kenney, Ickowicz, Turner
 - Schedule a follow up meeting this week:
 - Recommend Wednesday 10-12

IEEE 802/SA Task Force Agenda

- 1) ISO/IEC IEEE SA relationship and strategic impact on 802 LMSC: Nikolich
- 2) Funded Services Project Updates:
 - On-line training: Thaler/Ickowicz
 - P&P: Sherman/Ringle (or equiv)
- 3) Discussion on Entity Balloting: review draft of 'corporate procedures' developed by Law and Booth
- 4) Complementary Copies: GOT and AI to report on their suggestions for alternative 'trophies'
- 5) MyBallot beta testing update: Grow to report
- 6) Financial Budgeting and Reporting: increased emphasis: Grow to review his comments
- 7) Policy on offensive project numbers: Grow to review his suggestion
- 8) Drafts for sale policy; Roger Marks

5.07	II		-		08:23 AM
5.08	II	Get IEEE802 program update	-	Kenney	5 08:23 AM

Get IEEE 802®

Update 12

For LMSC March Plenary

**Karen Kenney, Assoc. Managing Director,
Business Administration**

14 March 2005, Atlanta, GA



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Downloads (as of 7 Nov 2004)

- **Program to date** **1,882,469**
- **Year to date** **68,965**
- **Weekly average** **8,345**
- **Most requested**
 - **802.11™-1999, .11a-1999, .11G-2003**
 - **802.3™-2002**
 - **802.15.4-2003**

Get IEEE 802® Update 12

Downloads

Standard	2004	2003	2002	2001	Grand
	Totals	Totals	Totals	Totals	Total
802.11-1999.pdf	50,939	61,285	33,689	29,093	175,006
802.11b-1999.pdf	24,147	33,466	54,478	30,309	142,400
802.11a-1999.pdf	21,758	30,540	22,364	28,732	103,394
802.3-2002.pdf	6,989	39,767	6,478	-	87,234
802.1Q-1998.pdf	9,712	19,852	14,230	23,744	67,538
802.1D-1998.pdf	10,201	15,336	12,593	18,783	56,913
802.3-2002_part1.pdf	19,075	29,831	4,505	-	53,411
802.2-1998.pdf	9,708	11,615	10,492	19,045	50,860
802-1990.pdf	8	2	5,029	43,971	49,010
802.1X-2001.pdf	16,722	19,515	11,328	-	47,565
802-2001.pdf	16,872	25,927	2,952	-	45,751

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User Type

USER	YTD Total	PTD Total	Monthly Avg
Academic/Student:	24,848	424,352	20,207
Other:	8,709	164,194	7,818
Network equipment manufacturer:	6,073	116,645	5,554
Public network service provider:	3,677	73,311	3,491
Network Software Developer/Manufacturer	4,522	68,141	3,244
Systems Administrator:	3,309	57,510	2,738
Standards Developer:	2,512	38,923	1,853
Private network service provider:	1,776	36,605	1,743
Network silicon manufacturer:	1,400	32,824	1,563
Government:	1,566	32,776	1,560
Journalist/Analyst/Author	1,054	12,934	615
Curious Citizen	0	74	4
Total	59,446	1,058,289	50,395

YTD=Year to date PTD=Program to date

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Program Entries

Dec 2004 – Mar 2005

- Std On or about
- 802.1D™ 9 Dec
- 802.3ah™ 7 Mar
- 802.11i™ 24 Jan
- 802.16™ Conf 03 25 Dec
- 802.17™ 24 Mar

Apr 2005 – Jul 2005

- Std On or about
- 802.1x™ 12 Jun
- 802.11j™ 29 Apr
- 802.16™ 1 Apr
- 802.17a™ 29 Apr

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Approvals

- None Approved in December

March Tentative Approvals

- | <u>IEEE Std</u> | <u>Tentative Pub Date</u> |
|-----------------|---------------------------|
| 802.15.1- REVa | 2 June |
| 802.1AB | 5 April |

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Reminders/Updates

- **SEC continuing commitment to provide drafts thru ballot upload function**
- **Plenary support for corporate sponsors**

5.09 II Online Training Update - Ickowicz 5 08:28 AM

5 A vendor has been selected and the course content is mostly prepared and ready to be sent off for development. It is believed that the development cost of the first course is on budget. Andy and Pat are looking for beta candidates for testing the first course. John asked if a contract with the vendor is in the offing and asked to review the contract.

A discussion of contract review led to having paper copies available in the EC folders by Wednesday.

5.10 II balloting update - Ickowicz 5 08:33 AM

10 MyBallot is running 802.3am as the beta test of this program. Some small issues have been noted and are in the process of being corrected. Geoff noted that the problems he has heard reported are more like alpha test problems than beta test problems.

5.11 II Status update on drafts for sale - Ickowicz 08:38 AM

15 Roger related a discussion he had in February where a customer purchased a draft from the program that was protected by some digital rights management that the program for reading it runs only under Windows. Roger is concerned that this and other issues (particularly with printing restrictions) is not properly noted before purchase. Andy said that the issues are being investigated.

20 Roger asked if this particular DRM mechanism is used anywhere else on 802 documents than our drafts. The answer is that only drafts carry this mechanism.

This will be dealt with further at the 802 task force meeting.

5.12 II - 08:38 AM

5.13 II - 08:38 AM

5.14 08:38 AM

5.15 08:38 AM

25

LMSC items	08:38 AM
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5.16 MI LMSC Meeting Fee Waivers - Nikolich 2 08:38 AM

Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
 - IEEE-SA Staff Participants
 - Karen Kenney, Jennifer McClain Longman, Andy Ickowicz, Judy Gorman, Christina Sahr, Michelle Turner, Sue Vogel, Terry deCourcelle, Michael Fisher, ML Nielsen
 - Invited Participants
 - SASB members and SASB Standing Committee members that are not regular 802 attendees
Radia Perlman, Tutorial presenter

Tutorial Schedule

Monday	Tuesday
1) Residential Ethernet 6:30-8:00PM	3) EMS: Integration of MyBallot into existing ballot resolution tools 6:30-8:00PM
2) 4G Neighborhood Area Networks 8:00-9:30PM	4) Routing Enhanced Bridges 8:00-9:30PM
	9:30=10:30PM
	<p style="text-align: center;">CFI-Wireless Mike Beacon 6:30-8:00PM (not a tutorial, tentative)</p>
	22

Non-North American Plenary Sessions

Motion:

"I move that beginning calendar year 2008, at least one 802 plenary session shall be held outside of North America in each calendar year."

Moved by Bob O'Hara

Second By Jerry Upton

Motion Passed: 9 Approve and 7 Disapprove

- Review of CONS - - Selected comments
- Review of PROS - - Selected Comments
- Selected Comments on Solutions/Ideas
- Potential Next Steps and Some Givens

Selected CONS - - not all but representative

- Planning for and implementing something on the scale of an 802 Plenary with >1600 attendees is an awesome logistical feat under the best of circumstances. To do something on a similar scale in a foreign venue where facilities are both scarce and expensive can multiply both the cost and the complexity by a factor of 2 or more.
- Suppose we find we are losing 25% of our attendance at international venues because many of the companies who support our attendees are not agreeable to paying for full attendance at expensive foreign venues ???
- There are now dozens of hotels in the US that have excellent facilities for groups over 1500. I am not aware of even one such property outside of the US. Your only choice is to capture a major convention center with 3 to 6 surrounding hotels to get enough rooms and meeting space. That can require 4-7 contracts in foreign languages and legal systems instead of just one in English. Negotiating for prices and services is also multiplied by 4-7 times.
- With respect to overseas:
 - Venues are smaller and fewer.
 - Charging methods for meeting space are less favorable.
 - Exchange rates are punitively unfavorable at this point.
- The motion denies our meeting planners the flexibility they reasonably need.
- I believe such a motion is unnecessary.
- I believe such a motion is un-enforceable.
- If we do develop a site selection process that results in strong proposals coming in, then I trust the EC to begin making good choices that give us geographical diversity. Mandating the geography without acting to get better geographic options is a recipe for trouble.

Selected PROS - - not all but representative

- One of the things we must buy into is that we will have to be seen to be organizing ourselves as an international, and not US-centric, body - and ultimately that will mean that we will have to move from nominally alternating between east coast and West coast North American venues to alternating among venues on all of the world continents.
Nobody is suggesting that this will be cheap, or easy, or convenient for any of us. However, in the long run, it might just help prevent 802 from being marginalized by other competing activities and organizations.
- I agree we should strive to become a truly international standards body.
- I fully support the notion of moving our sessions outside of North America.
- I don't have any international examples to compare to, but based on the couple of international interims I've attended, I don't see that they were substantially more difficult to execute than domestic interims. I agree that they will generally be more expensive (at least for US participants).
- Without support for the motion, we are "international" only in our own minds.
- All the wireless groups already hold a non North America interim meeting at least once a year. 802 should consider holding a non North America plenary at least once a year.

Selected Comments on Solutions/Ideas - - not all but representative

- If we were to require a solid and cooperative corporate or governmental Local Host for any international venue that we consider, we can easily reduce the difficulty and complexity of the logistical tasks, while probably substantially enhancing our ability to get favorable contracts, pricings, and services.
- For example, we could begin by saying that the first available plenary slot would be opened up for proposals by potential hosts. Then, we can publicize the solicitation process. I am sure we could get some strong proposals from institutions in places where we would like to have stronger relationships.
- Perhaps I'm nuts, but I'm starting to favor using actual convention facilities and inconveniencing all 802 participant equally, rather than have different groups within 802 inconvenienced (perhaps disproportionately over time).
- I agree that cost matters. But, attendance fee is a small part of the overall cost of a meeting to each attendee. The hotel fee, even in the US, is usually twice the meeting fee. The air fare from overseas to the US is usually equal to greater than the meeting fee. The additional time lost to traveling between continents costs overseas members 1-3 days of lost time (plus lost time zones) that North American attendee, easily costing more than twice the meeting fee. So, I agree with you, many of our members do care about the expense of attending these meetings. Unfortunately, we are placing the greater costs of attending our meetings only on those members based outside of North America. With this motion, we ask them to bear only 2/3 of the additional cost.

Potential Next Steps and Some Givens

1. Seek help from a meeting planner experienced in large Non-North American venues
2. Accept that Non-NA meeting will cost more given differences in charging for meeting space, US dollar exchange rates, and other requirements normally associated with venues outside US. Experience at Non-NA Interims should provide some facts and cost estimates.
3. Ask for Sponsorship money for the meeting. This is different than Hosting. Sponsors subsidize the meeting, but do not host and pay or guarantee the contract.
4. Remain flexible on venue choices including convention facilities.
5. Explain the rationale to members for higher fees. Most realize that registration fees are only small cost of attending sessions.

International Venues for 802

Finding a Workable Combination
and
Getting to a Signed Contract

Some Initial Observations

- No hotel is large enough for an 802 Plenary
- We're not a strong client prospect on paper
- Getting firm price quotes is a big problem
- Quotes for services across multiple sites
- Network access arrangements are murky
- Network costs are often indeterminate
- Convention Centers are most expensive
- Our current funding model does not work

Serious Financial Concerns

- Many venues expect substantial deposits at time of contract signing (e.g. 50% of all incl. rooms)
- Most expect all expenses paid prior to arrival
- Hotel may expect full payment for room deposit
- Attrition clauses are severe (pay for all unused)
- Even a 20% shortfall could be financial disaster
- Currency fluctuations fm contract to arrival time
- Most deals include meals that are expensive
- AV Services can be 5x US and power 10x US
- Hi-Speed network may be unavailable or \$\$\$\$\$

Steps to Intl Venue Selection

- Produce a detailed requirements spec
- Find sites with >1000 hotel rooms and at least 35 meeting rooms with >10⁴ m² space available
- Get hotel room and meeting space prices
- Get F&B prices (with meals if required) & options
- Get AV Prices for our requirements (w/ LCDs)
- Get Network prices and options carrier & on-site
- Get details on best case deposit requirements
- Solicit for possible hosting organizations
- Compile operating budget & estimate Reg fee to support

Selection Process

- Present summary data for sites to WG's for review
- SEC indicates preferences for specific sessions
- Top candidates get to work on creating acceptable deals
- Best deals with updated costs presented for final review
- Final selection based on acceptable deal is committed
- Announcement of final deal for selected site to members
- Survey expected attendees for site on next session regform
- If result varies from best estimate by $>10\%$ recalculate the deal at that level and rerun the survey; repeat as required
- Announce the final result & execute the corrected contracts

An ad hoc will be held to continue this discussion.

5.19 MI Reaffirmation that 802 operates on the basis of individual, not entity, balloting - Jeffree 10 09:00 AM

Moved: The EC affirms its position that 802 operates only using individual membership and Sponsor balloting.

5 **Moved: Tony Jeffree/Bob Grow**

Passes: 12/3/1

5.20 II ISO/IEC JTC1/SC6 update on security submission - Kerry 5 09:10 AM

10 At the ad hoc meeting in Frankfort to discuss only technical issues, 29 people attended. When the meeting convened, it immediately fell to procedural issues, rather than technical.

Further discussion of this topic will take place in the ad hoc meeting, Tuesday 3-4pm.

5.21 II Chinese Liaison update - Marks 10 09:15 AM

15

IEEE 802 LAN/MAN Standards Committee

Dr. Roger B. Marks
IEEE 802 China Liaison Official
r.b.marks@ieee.org

To: Mr. Wen Ku, Director General
Department of Science & Technology
Ministry of Information Industry
People's Republic of China

CC: • Cao Shumin and Zhao Shizhuo,
China Communications Standards Association
• Jim Carlo, President, IEEE-SA
• Paul Nikolich, Chair, IEEE 802

SUBJECT: IEEE 802 Interactions with Chinese standardization projects

DATE: 14 December 2004

Dear Mr. Wen,

I was delighted to meet you in Shenzhen on 19 May, along with IEEE-SA President Jim Carlo and IEEE-SA Director of International Standards Programs Terry deCourcelle. Our discussion, as you recall, covered the broad issues of cooperation between the IEEE Standards Association (IEEE-SA) and Chinese standards bodies. Since many of those issues involve, in particular, the IEEE 802 LAN/MAN Standards Committee ("IEEE 802"), IEEE 802 <<http://ieee802.org>> has decided to name a China Liaison Official and has asked me to serve in that role. It is in that capacity that I am writing to you now.

As IEEE 802's China Liaison Official, I would like to encourage Chinese participation in IEEE 802 projects. I believe it would be helpful to bring you up to date on China-related developments among several IEEE 802 activities. In the attachment below, I have summarized some key activities.

In order to help our Chinese colleagues to become more active in IEEE 802 leadership, I propose the following:

- The IEEE 802.16 Working Group on Broadband Wireless Access will be meeting in Sanya, China on 24-27 January 2004 <<http://ieee802.org/16/meetings/mtg35>>. I will be attending to chair that session. Current IEEE-SA President Jim Carlo will also be present. The two of us would be happy to meet with you in Sanya, should you be interested. Otherwise, I could meet with you on the afternoon of Friday 28 January in Beijing. We would be happy to discuss any IEEE 802 issues of your interest, including issues related to IEEE 802 sessions in China. Please let me know if you are interested in this meeting proposal or have alternative suggestions.
- On the morning of 24 January 2005 in Sanya, I plan to offer a tutorial on the IEEE 802 process. The intent is to provide information on how to effectively participate in IEEE 802 Working Groups. I am willing to repeat that tutorial on 28 January in Beijing.
- The IEEE 802 wireless groups 802.11, 802.15, 802.18, 802.19, 802.20, 802.21, and 802.22 typically hold joint weeklong interim sessions each January, May, and September. These groups are very interested in meeting in Beijing on 15-20 May 2005. We expect at least 500 people from around the world to attend these meetings. We very much welcome the participation of MII as a nonfinancial host of this session. Detailed planning assistance is not required, but the groups would welcome your advice as host. Should you have other suggestions regarding sponsor or host entities, we welcome your thoughts.
- I am on the Advisory Board of the International Conference on Communication and Information (ICCI 2005) on June 26-29 in Beijing, hosted by BUPT. Prof. Liu Yuan An, who is the conference's Technical Chair, has suggested that I try to arrange workshops and/or panel sessions. I would propose to arrange a workshop covering wireless LAN, MAN, and PAN standards, with speakers from the IEEE 802 Working

Groups as well as from relevant Chinese standards organizations. Please let me know if you are interested in this possibility and have topics you would like to see covered or speakers to suggest.

Please feel free to circulate this information widely. We welcome your suggestions on how we can increase contacts and communications with Chinese standardization bodies, including at the detailed technical level. I look forward to your response regarding the points above.

Best regards,

Roger B. Marks
IEEE 802 China Liaison Official

Attachment: *Report of recent IEEE 802 activities related to China*

- On 14-19 November in San Antonio, Texas, USA, IEEE 802 met in a Plenary Session, as it does each March, July, and November. This included meetings of Working Groups (WGs) 802.1, 802.3, 802.11, 802.15, 802.16, 802.17, 802.20, 802.21, and 802.22, as well as Technical Advisory Groups (TAGs) 802.18 and 802.19. The attendance set a record of about 1600 people. 18 of these people reported that they lived in the People's Republic of China.
- The IEEE 802 Executive Committee has become aware of difficulties in obtaining a visa to travel to attend some IEEE Plenary Sessions. IEEE 802 cannot solve this problem alone, but we are working to institute an easy process for requesting a letter of invitation well in advance of future sessions. We hope that this will aid participants in making their travel arrangements. We will also attempt to gather more information about the recommended lead times for visa applications to the countries in which our sessions are scheduled. For information on future sessions, please see <<http://ieee802.org/meeting>>.
- The IEEE 802.11 Working Group received, from ISO/IEC JTC1/SC6, the Chinese National Body contribution 6N12687 (GB15629.11). The Working Group is very interested in working with the contributors and welcoming them to pursue their work within the Working Group. The Working Group assigned a committee to prepare a response. It welcomes the JTC1/SC6/WG1 meeting in Frankfurt, Germany on 21-25 February, which was arranged for technical experts from China and IEEE 802 to discuss 802.11i and 6N12687.
- The IEEE 802.16 Working Group on Broadband Wireless Access session included 13 people from the PRC, from both industry and from MII. The attendance also included at least 30 people working with Chinese companies outside of China. Two Chinese individuals became Working Group Members, including the liaison to the Working Group from the China Communications Standards Association (CCSA) and the host of the Working Group's Session #35 in Sanya, China on 24-27 January 2005. This will be the 802.16 WG's second session in China, following the May 2004 session that you attended in Shenzhen. The full report of the 802.16 session is available at <<http://ieee802.org/16/meetings/mtg34/report.html>>.
- The Procedural Vice Chair of the IEEE 802.20 Working Group on Mobile Broadband Wireless Access, Gang Wu, has moved to Beijing and has volunteered to participate in coordinating discussions between IEEE 802 and Chinese standardization bodies.

Date: Thu, 30 Dec 2004 10:39:21 +0800

Dear Mr. Roger B.Marks:

I am pleased to receive your invitation. I will attend the IEEE 802.16 Working Group on Broadband Wireless Access held in Sanya, China on 24-27 January 2005.

Enterprises are the main part of the China telecommunications standardization body; their work is based on the current situation and requirement with the economic construction and development. Our standard works focus on the improvement of standards quality and connection with international standards, to support high-speed development of Chinese telecommunications industry. The guideline for telecommunication standardization work is "Market is driven power, enterprise is the main body, participation for all possible member". We should follow the principle of publicity, impartial, justice and harmonization to welcome people to work for standardization.

Ministry of information industry gives highly support, in technology and standard areas, on technical research and cooperation between domestic and foreign enterprises and also standard organizations.

We hope IEEE work together to further enhance exchange, deepen mutual understanding, and strengthen the connections and cooperation between CCSA and IEEE, and assist Chinese enterprise to participate in the IEEE projects.

Best Regards,

Wen, Ku

----- Original Message -----

From: "Roger B. Marks" <r.b.marks@ieee.org>

Sent: Wednesday, December 15, 2004 1:45 PM

> Dear Mr. Wen,

>

> I am very happy to deliver to you the attached message from the IEEE
> 802 LAN/MAN Standards Committee.

>

> I look forward to your response, and I hope we have a chance to meet
> again next month.

>

> Best regards,

>

> Roger

>

>

> Dr. Roger B. Marks <mailto:marks@nist.gov> +1 303 497 7837

> IEEE 802 China Liaison Official

> Chair, IEEE 802.16 Working Group on Broadband Wireless Access

> (See attached file: [802China04_01r5.pdf](#))

IEEE 802 LAN/MAN Standards Committee

Paul Nikolich
Chair, IEEE 802 LMSC
18 Bishops Lane
Lynnfield, MA 01940
cell: +1 857.205.0050
p.nikolich@ieee.org

To: Joon-Nyun Kim, ISO/IEC JTC1/SC6 Chairman, Ho-In Jeon, WG1 Convener

To: Xie Quan, China ISO/IEC JTC1/SC6 Head of Delegation

CC: Roger Marks, IEEE 802 Project 802 LAN/MAN Standards Committee (LMSC) China Liaison Official

SUBJECT: Forwarding of China's submission N12687 to IEEE Project 802 for information

DATE: 21 January 2005

Thank you for forwarding China's submission N12687 to IEEE Project 802 LMSC in November 2004 for information. We understand that this was done by ISO/IEC to request consideration of this submission by IEEE Project 802 for the ISO/IEC 8802 document series. An LMSC subcommittee was formed to review submission N12687.

IEEE is the world's foremost technical professional association in electrical and electrical engineering, with more than 360,000 individual members in approximately 175 countries, and is a leading authority in technical areas including computer engineering, biomedical technology, telecommunications, electric power, aerospace and consumer electronics. Many Chinese professionals are members of IEEE and have been honored for their contributions. The IEEE Standards Association develops standards on a national and international basis and its standards provide the text for many standards in both IEC and JTC-1.

IEEE Project 802, recognized on a world-wide basis, is the premier forum responsible for development of local and metropolitan networking standards under the ISO/IEC 8802 document series. Within IEEE Project 802, the IEEE 802.11 Working Group is responsible for Wireless LAN standards. This working group receives contributions from individuals from all over the world, and has over 700 active participants from many countries. IEEE 802.11 Task Groups are actively working on many issues pertaining to wireless LANs, including High Throughput, Fast BSS Transition, Mesh Networking, and improved wireless LAN Network Management.

IEEE Project 802 LMSC and the IEEE 802.11 Working Group fully support China's desire to improve WLAN security. As Chairs, we invite and encourage Chinese participation in IEEE Project 802 LMSC. Participation includes working with committees within IEEE Project 802 LMSC to identify ways to incorporate submission N12687 into IEEE Std. 802.11 via LMSC's well-defined standards development process. If we can work together to incorporate the technical components described in submission N12687 into IEEE Std. 802.11, then it will be part of a future submission by IEEE Project 802 LMSC to ISO/IEC JTC1/SC6 for inclusion into the ISO/IEC 8802 document series.

After receiving submission N12687 from ISO/IEC, the IEEE 802.11 Working Group sub-committee reviewed the submission and identified ways to incorporate submission N12687 into the IEEE Std 802.11. The analysis identified essential technical components of N12687 that could be incorporated as extensions to the IEEE Std. 802.11, and also uncovered impediments to incorporating submission N12687 in its current form. For example, submission N12687 as it stands does not provide for forward compatibility with other amendments now under development by the IEEE 802.11 Working Group, such as management frame security or MSDU aggregation, to enable high data rates over 100Mbps throughput.

Incorporation of essential technical components from submission N12687 in IEEE Std 802.11 will require experts from China to participate in committees within IEEE Project 802 LMSC so that the result meets China's needs, is backward compatible with the existing IEEE 802.11 and ISO/IEC 8802-11 standards, and forward compatible with other amendments already under way. Backward and forward compatibility is necessary for market success, enabling widespread technology deployment using a generally respected standard.

Thank you again for the opportunity to consider the best way towards a unified and consistent international standard. We suggest that the next step be to convene joint meetings in China, to discuss both the process and technical aspects of moving forward.

Sincerely

Paul Nikolich
Chair IEEE Project 802 LAN/MAN Standards Committee

Stuart Kerry
Chair IEEE 802.11 Wireless LAN Working Group

China Communications Standards Association



Mr. Baoxin Zhou
Secretary-General CCSA
No. 52, Hua Yuan Bei Road Haidian
District, Beijing 100083
Tel: +86 10 62304848
bxzhou@ccsa.org.cn
January 24, 2005

To: Dr. Roger B Marks
IEEE 802 China Liaison Official
325 Broadway, MC 818.00
Boulder, CO 80305 USA
Tel: +1 303 497 3037
<mailto:marks@nist.gov>

Dear Dr. Roger B Marks,

I am very glad that HuaWei, a member of CCSA, hosts The IEEE 802.16 Working Group Session #35 in Sanya, China on 24-27 January 2005, which can encourage Chinese participation in IEEE 802 activities. However, It is really a pity that I cannot participate in this meeting, for my schedule has been already arranged fully. China Communication Standards Association (CCSA) is a nationally unified standards organization carrying out technical standardization on communications including wireless communication. CCSA has always been paying much attention to IEEE 802 activities. CCSA would like to establish friendly relationship with IEEE and further explore our cooperation in several areas, including IEEE 802.3, 802.11 and 802.16 and other possible areas.

I, on behalf of CCSA, would like to invite you to CCSA to discuss issues of common interests, if you are available. I am looking forward to meeting you.

Best regards!

A handwritten signature in Chinese characters, which reads "周宝欣" (Zhou Baoxin).

Baoxin Zhou
Secretary-General CCSA

Roger visited the folks at the US embassy, while at his interim meeting in China. He believes he was successful getting them to understand the issues we have with difficulty of Chinese nationals obtaining visas to attend our meetings in the US. He has the contact information of the individual that has volunteered to facilitate visas.

- 5 The wireless working groups had attempted to organize an interim meeting in China in May. This did not come to fruition. Gang Wu of 802.20 was in China and has obtained a recommended procedure to follow to facilitate getting meetings of this type organized.

5.22 II P&P update

- Sherman 30 09:25 AM

LMSC Policy and Procedures Update

Author:

Matthew Sherman
1st Vice Chair, IEEE 802
BAE Systems - CINR
Matthew.Sherman@BAESystems.com

Date: March 14th, 2005

Status on P&P Restructuring

Rationale for Restructuring P&P

- Current P&P has been “patched” for 20 years
 - Inconsistencies have crept in
- P&P viewed as “Broken” by many EC members
 - Identified as single most critical issue during 802 restructuring discussions
- Unable to keep up with number of revisions required
 - Was doing 3+ revisions per plenary cycle
 - Did not keep up with revisions required
- SA Rules have changed over time
 - Need through review to check compliance
- CS SAB recently completed complete rewrite of their rules
 - Requirements impact our rules
- AUDCOM has model Sponsor P&P and now reviews our P&P
 - Complying with AUDCOM model should ease approval our our P&P

➤ *Restructuring of Rules required to accommodate these issues*

Restructuring Process

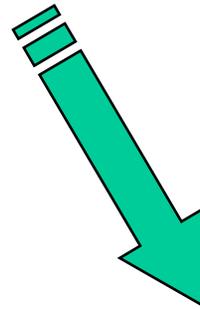
- Reformat to match Sponsor Model (1 Cycle)
 - Editorial in Nature
- Modify for conformance (1 Cycle)
 - Identify where requirements of SA and CS SAB not met
 - Introduce changes to bring into conformance
- Streamline (~~+2~~ Cycles)  **YOU ARE HERE
IN 2ND CYCLE**
 - Implement “Less is More”
 - Fix any deficiencies specific to 802
 - Reduce backlog of P&P revisions
- Entire process to take roughly 16 months
 - Extend 4 months for streamlining

LMSC P&P Maintenance Activities

- In process streamlining ballots (Vote for approval Friday)
 - P&P Revision Process (Matthew Sherman)
 - EC Membership & Meetings (Matthew Sherman)
 - EC Voting (Matthew Sherman)
 - WG Voting (Matthew Sherman)
- Pending streamlining ballots (Vote for balloting Friday)
 - WG Membership & Meetings (Matthew Sherman)
 - LMSC Procedures & Process (Matthew Sherman)
 - LMSC Organization (Matthew Sherman)
 - Miscellaneous (Matthew Sherman)
- Other Ballots
 - Bob Grow?

Current P&P Issues list

Double click here to see current list of P&P Issues:



P&P Revision Issues 0503r0.txt

The LMSC P&P Revision Process

The P&P Revision Process

- Process currently being updated
- Formal and INFORMAL parts of process
- Current P&P Revision ballot will capture modifications to formal part of process
- Informal part of process on following slides

The *Informal Part* of the P&P Revision Process (How to avoid future backlogs)

- Any EC Member or WG can bring forward a Rev
 - If it matters to you, do something about it!
 - If not, then it wasn't that important anyway
- Particularly WG Chairs have manpower at their disposal
 - Delegate to others the crafting and writing
 - WG Chair introduces revision at EC
- 1st Vice Chair will assist in balloting, but not editing and resolution!
 - To large a burden for one person
 - 1st Vice Chair may run actual ballots and collect comments
 - May request assistance from motioner here depending on work load
 - 1st Vice Chair will provide formats and advice
 - Motioner must provide all documentation and conduct resolution
- 1st Vice Chair will focus on more strategic P&P issues (and whim of Chair)
 - Entity Balloting
 - Task Group Membership

Informal Process for Ballot Resolution

- No more Sunday ‘Rules meeting’
 - Ad Hoc telecons as needed to conduct resolution prior to Plenary Session
 - Straw Polls at EC Monday meeting
 - If required further ballot resolution during session
 - Vote for approval at EC Friday meeting
- Testing process this session
 - Will straw poll Friday if new process is improvement
 - Otherwise will fall back to old format with Sunday rules meeting
- Will not formalize process in P&P
 - We have enough stuff in our ‘bylaws’ as it is
 - Informal process preferred

Status on SA P&P Support

- Current Invoice for \$9,487
 - Familiarization with P&P
 - Recommended enhancements for SA conformance
- Renegotiating SOW
 - Directions have changed since original SOW generated
 - Issues center on definition of ‘streamlining’ and number of ballots
 - Will probably need a vote of some sort on Friday
 - Will provide reflector inputs earlier

P&P Revision Straw Polls

Why Straw Polls

- Don't want surprises on Friday
 - Higher threshold than normal vote
 - Find out what consensus exist
 - Do enough votes exist to pass?
 - Work for further resolution if not

Reminder

(A plea for participation)

- Approval of P&P revision requires ‘*2/3 of all voting EC Members with voting rights*’
 - Current Interpretation established 4/9/04 by P. Nikolich
 - Abstains do not count in denominator
 - No formal ruling on voters ‘not present’
 - P&P Revision in process to increase approval level required for P&P Revision
 - Abstains and ‘not present’ will count in denominator!
 - But for this Friday, must rely on 4/9/04 interpretation
- Is important that people participate in process
 - We all have an obligation to voice our opinions and vote
 - Trying to modify process to make it easier to participate
 - Open to further suggestions
 - ABSTAIN will count as NO!
 - Not participating is saying no
 - Please say yes unless you mean no

Straw Poll

How will you vote on the “P&P Revision Process” P&P Revision?

For:

Against:

Abstain:

Known Issues:

(if eliminated from ballot will change your vote)

Straw Poll

How will you vote on the “EC Membership and Meetings” P&P Revision?

For:

Against:

Abstain:

Known Issues:

(if eliminated from ballot will change your vote)

Member Emeritus, Telecons

Straw Poll

How will you vote on the “EC Voting” P&P
Revision?

For:

Against:

Abstain:

Known Issues:

(if eliminated from ballot will change your vote)

Extending Electronic Ballots

Straw Poll

How will you vote on the “WG Voting”
P&P Revision?

For:

Against:

Abstain:

Known Issues:

(if eliminated from ballot will change your vote)

33% Quorum

Mat conducted a straw poll, asking how many would vote in favor of the P&P Revision Process P&P revision.

Approve: 6

Disapprove: 1

Abstain: 4

5

Mat pointed out that a P&P ballot conducted under the new procedure with a result as above would fail.

Mat conducted a second straw poll, asking how many would vote in favor of the EC Membership and Meetings P&P revision.

10

Approve: 1

Disapprove: 9

Abstain: 3

Mat conducted a third straw poll, asking how many would vote in favor of the EC Voting P&P revision.

15

Approve: 7

Disapprove: 1

Abstain: 5

Mat's last straw poll asked how many would vote in favor of the WG Voting P&P revision (with 33% quorum requirement at interim meetings).

20

Approve: 1

Disapprove: 9

Abstain: 2

25

Mat indicated he would be bringing the revised P&P revisions for approval at the Friday EC meeting.

5.23 II Architecture Group update

- **Jeffree**

5 09:55 AM

Known issues – Broadband over Power lines (external project)

- Will this be Bridgeable or will it only be routable (to 802 technologies)?
- In order for the technology to be Bridgeable, then they should participate in this architecture group
- Make liaison with 802 a requirement of the PAR
- They should address coexistence (with other technologies)
- Entity balloting would tend to disenfranchise a significant body of technical expertise from the balloting process. LMSC join as an entity?

5.24 II notice of PARs under consideration - 802.11w, 802.15.3c, 802.3at - WG chairs 10 10:05 AM

802.3at: Residential Ethernet

802.11w: Security of Management Frames

5 802.15.3c: mmWave PHY for 802.15.3 MAC

5.25 II notice of Study Groups under consideration - WG chairs 10 10:15 AM

802.22: if the WG approves, there will be a call for interest for a “beacon” mechanism to protect wireless microphones and other equipment.

10

5.26 II MyBallot beta test update - Grow 5 10:20 AM

Adventures with MyBallot II P802.3REVam Beta Test

Robert M. Grow
Chair, IEEE 802.3 Working Group
bob.grow@ieee.org

P802.3REVam

- Very large document (~2600 pages, 5 sections, 16MB+ zipped)
- Ballot information
 - 69 in ballot group
 - 1959 comments on D2.0
 - 6 comments to date on D2.1
 - Votes changed in recirculation
- Comment processing
 - Used 802.3 MS Access off-line tool
 - 4 responses entered and modified via web on D2.0
- Bob Grow was sponsor, David Law was designee, Paul Nikolich was neither sponsor or designee

PreBallot

- There is no substitute for playing with the tool
 - A slide show doesn't do it
 - Actually doing it is necessary to reinforce the learning
 - Recommended a myBallot playground – status?
- Too easy to forget how it works
 - Training should be close to ballot time
 - Give training preference to those with imminent ballots
- Encourage members early and often to get web accounts activated

Invitation Pools

- Invitation pools have not been transferred
- Transition problems:
 - Some confused about two invitation pools
 - Announcement forwarded to 802.3 to join myBallot pools, no announcement received for 802.1 ballot invitations initiated on old system after announcement
 - Those that beat the mandatory use of myBallot should be tolerant of requests for addition

Invitation

- Invitation glitches
 - IEEE Web Account issues – e.g., problem getting password reset/reminder
 - No ability to add an individual to the ballot group
 - Had to extend the invitation period to minimize the probability of an appeal
 - Thankfully, extension is a very private thing (no automatic announcement sent to the group)
- First indications of problems in sharing the workload
 - No explicit approval of the ballot group, implicit in initiating the ballot
 - Multiple designees needed?

Initiate Sponsor Ballot (1)

- New problems with delegating work load
 - Ballot invitation upload and draft upload are an atomic action
 - Designee can't initiate the ballot, only the sponsor
- Request ballot open and close date
 - What value is requesting the open date if everything has to be there when you hit "Initiate Ballot"?
 - Open date defaults to today, and close date to +30 days.
 - Staff person must approve package before invitation goes to ballot group (ballot duration is a guess)
- Draft upload
 - Editor can't upload the draft only sponsor
 - Upload can only be a single file
 - P802.3REVam was 16.5MB zip file of five PDF document sections

Initiate Sponsor Ballot (2)

Operator error

- Once ballot is initiated staff intervention is required to change things
 - Ballot close reset to default when navigating within myBallot
 - Ballot close date had to be changed by staff
 - Change announced by designee to ballot group
 - Manual changes produced errors (00:01 or 23:59 close)
- No note to staff through MyBallot at upload
 - Could have been used to assure 35 day ballot, etc.
 - Ballot center and staff liaison email only on Sponsor page
- Privacy issues with email to ballot group fixed

Ballots/Comments

- No comment editing using the web form
 - Duplicate comments
 - Cross referencing difficult
 - MyBallot off-line tool used by most 802.3 commenters
 - “Back” is not always useful (no way of switching between draft comments)
 - Can change comment “must be satisfied” or one’s vote while ballot is open but can’t edit comment text or withdraw/delete a comment
- Off-line tool limitations
 - 255 character display but 32,767 Excel cell capacity confusing
- A disapprove with comments (but no must be satisfied comments) was treated as disapprove without comment
- Commenter upload problems:
 - “Yes” verses “yes”
 - MyBallot special characters
 - Font conversion to special characters?
- Time-outs caused loss of work

Comment Processing

- Mr. Law developed conversion tools for our MS Access comment database tool
 - Import bug that dropped some responses possibly because of font conversion
- New line problems for conversion
- No way to sort comments in myBallot
- Web comment resolution is very slow
 - Returns to page view
 - Have to reload all or use back to resolve next comment
 - Unworkable for large comment volume
- No way for commenter to indicate they are satisfied with response to a comment

Recirculation

- Complaint that announcement did not identify the draft
- Ballot summaries were incorrect
 - Carrying votes forward (e.g., disapprove/comment becomes disapprove/no_comment)
 - Breakout summary wrong

LMSC process issues

- What is process for LMSC Chair to approve SB group but delegate conduct of ballot process
- Misidentification of Sponsor Chair in standard letters
- Ballot close / duration and LMSC ballot periods

Open Bugs

- Upload problems
 - Commenter complaints about many problems: special characters, “Yes” versus “yes”, etc.
 - Does initiate recirculation only check “must be satisfied” for response?
 - Lied about successful upload, did not upload all responses
- Ballot summary is still inaccurate (but mostly fixed)
- A disapprove with no must be satisfied comments was not counted
- Comment response status inconsistent with RevCom procedures
 - Acknowledgement by commenter that response is accepted

Want List

- Universal time for ballot close
- Better comment sorting
- Multi document upload capability
- Multiple designees
- Message to staff
- No default ballot close dates?
- RevCom conventions improvements
 - Flip “must be satisfied”
 - Flip vote after ballot

EC meetings for the week in Executive Boardroom Suite 226

- Tuesday 9:30-11am reserved (Paul)
- Tuesday 1-2pm IEEE/ITU-R discussion (Mike Lynch)
- Tuesday 2-3pm China Liaison discussions (Roger)
- Tuesday 3-4pm ISO/JTC1 discussions (Geoff)
- Tuesday 9:30-10:30 pm P&P discussion
- Wed 9-10am Network RFP &
EMS contract review (Pat)
- Wed 10-noon 802 Task Force (Paul)
- Wed 1-2pm reserved (Paul, BobG)
- Wed 2-4pm International Meetings (BobO and Buzz)
- Thursday 2-3pm Standardizing Name Badge Voting Member Indicator
- Thurs 6-8pm EC/SASB 'open office' (Paul and Steve)

	5.27	MI	Downloadable extracts/normative data for 802 standards	-	Grow	10	10:30 AM
	Deferred to Friday						
5	5.28	II	EC Procedures for Openness	-	Sherman	10	10:40 AM
	Deferred to Friday						
	5.29	II	Networking RFQ	-	Thaler	10	10:50 AM
10	Deferred to Wednesday 9-10am meeting.						
	5.30	II	CFI 802.22	-	Stevenson	1	10:50 AM
	5.31	II		-			10:50 AM
	5.32	II		-			10:50 AM
	5.33	II		-			10:50 AM
	5.34	II		-			10:50 AM
	5.35	II		-			10:50 AM
	5.36	II		-			10:50 AM
	5.37	II		-			10:50 AM
	5.38	II		-			10:50 AM
	5.39	II		-			10:50 AM
	5.40	II		-			10:50 AM
	5.41	II		-			10:50 AM
	5.42	II		-			10:50 AM
	5.43	II		-			10:50 AM
	5.44	DT	SEC meeting schedule (rules, SA, etc.)	-	Nikolich	3	10:53 AM
			ADJOURN EC MEETING	-	Nikolich		10:53 AM
15	The EC meeting adjourned at 10:40am.						
	6.00	PL	IEEE 802 PLENARY MEETING STARTS	-	Nikolich	60	11:00 AM

IEEE

Standards Project Authorization

1. <u>August 26, 1979</u> Date of Request	Project No. <u>802</u> Approved: <u>3/13/80</u> Date <small>For Standards Committee Use Only</small>
2. <input checked="" type="checkbox"/> New Standard <input type="checkbox"/> Revision of _____ Standard No. _____	<input type="checkbox"/> Reaffirmation of _____ <input type="checkbox"/> Withdrawal of _____ Standard No. _____
3. Project Title: <u>Local network for Computer Interconnection.</u>	
4. Scope and Purpose of Proposed Standard: <u>The proposed standard will apply to data processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.</u>	
5. Sponsor: <u>Computer Standards</u> <u>Computer Society</u> <small>Technical Committee Society</small>	
5a. Proposed ANSI Committee: <u>X3</u>	ANSI Project #: _____ Date Approved: _____
6. Proposed Coordination: <u>Dr. Herbert Hecht Computer Society Representative to X3. Also coordination with IEC Committees will be undertaken. Minutes will be mailed to ANSI X3 Secretary.</u> <small>Method of Coordination:</small> <u>Communications Society</u> <u>Computer Sds. Committee (added by amendment 9/17/81 Still meeting)</u>	
7. Name of Group that will Write the Standard: <u>Microprocessor Standards</u> <u>Local Network</u> <small>Subcommittee Working Group</small>	
8. Estimated Final Ballot Date: <u>December 1982</u> <u>March 1983</u> <small>To Technical Committee To Standards Board</small>	
9. Person Designated to Receive Communications and Conduct Liaison with Interested Bodies: Name: <u>Mavis Graube</u> Company: <u>Tektronix, Inc.</u> Street address: <u>P. O. Box 500, M/S 5B-188</u> <u>Beaverton, OR 97077 (503) 644-0161 Ext. 6234</u> <small>City State Zip Code Telephone</small>	
10. Submitted by: Name: <u>Dr. Robert G. Stewart</u> Company: <u>Stewart Research Enterprises</u> <u>1658 Belvoir Drive</u> <u>Los Altos, CA 94022 (415) 941-6699</u> <small>City State Zip Code Telephone</small>	

Form ST-1A-1978

25th Anniversary of Project 802
13 March 1980

IEEE802 Monday Plenary Agenda

- 11:00 Welcome Nikolich
- 11:02 Membership Rules, EMS update Thaler
- 11:04 IEEE 802 Policy and Procedure Update Sherman
- 11:06 Treasurer's Report Hawkins
- 11:08 Patent Policy Thompson
- 11:10 802.1 Architecture & Interworking Jeffree
- 11:15 802.3 CSMA/CD (Ethernet) Grow
- 11:20 802.11 WLAN (Wireless Local Area Network) Kerry
- 11:25 802.15 WPAN (Wireless Personal Area Network) Heile
- 11:30 802.16 BWA (Broadband Wireless Access) Marks
- 11:35 802.17 RPR (Resilient Packet Ring) Takefman
- 11:40 802.18 Radio Regulatory TAG Lynch
- 11:45 802.19 Coexistence TAG Shellhammer
- 11:50 802.20 Mobile BWA Upton
- 11:55 802.21 Handoff Rajkumar
- 12:00 802.22 Wireless Regional Area Networks Stevenson

- --- Tutorials Nikolich
- --- Meeting Arrangements Rigsbee
- 12:?? ADJOURN Plenary

Original Title and Scope of 802

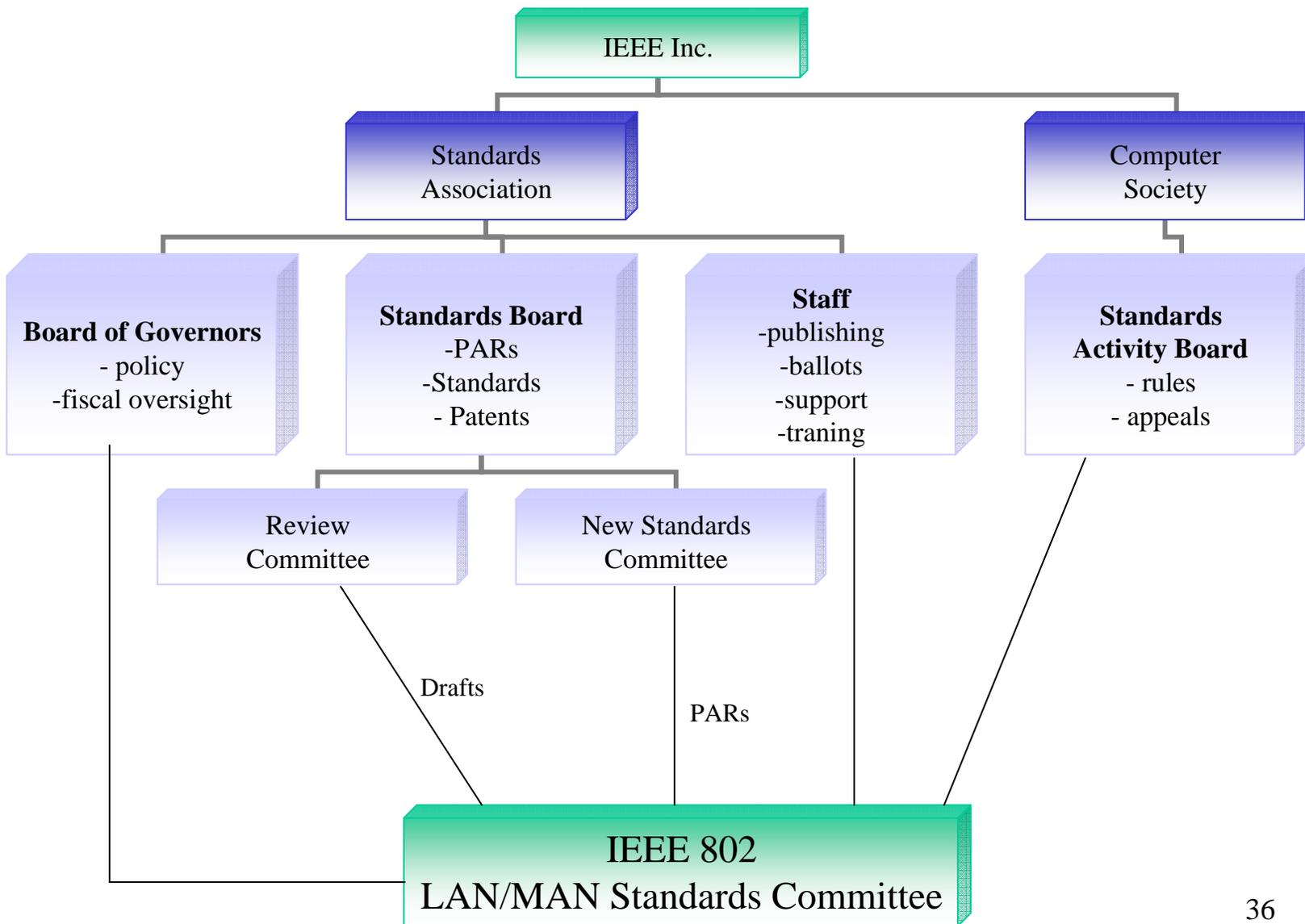
3. Project Title:	Local network for Computer Interconnection.
4. Scope and Purpose of Proposed Standard:	The proposed standard will apply to Data Processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.

Current Scope of 802:

--we will go through it over the next hour!

In Memorium

- Robert Anderson Donnan, 84, of Beaufort, North Carolina died Monday, January 10, 2005.
 - Bob was a member of the original group that formed IEEE Project 802 and served as the first Chairman of the 802.5 Token Ring Working Group until his retirement in 1994.
 - As chair of the Token Ring Working Group, Bob concentrated on process and generally let the experts debate the detailed standard. However, when debate bogged down, he was often able to clarify the issues to keep the group moving. His generally informal folksy style of running the group endeared him to many of us. He showed us how to make progress by team building and listening, and served as a mentor to those that worked with him.
 - Bob was a good friend to many of us. We honor him for his contributions to IEEE 802, and are thankful for his friendship and for his help. We will remember him with fondness. We are sorry to hear of his passing.



IEEE 802 ORGANIZATION

EXECUTIVE COMMITTEE (EC)

CHAIR
Paul Nikolich

WORKING GROUP/TAG CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Bob Grow

802.11
WLAN
Stuart J. Kerry

802.18 TAG
Radio Regulatory
Mike Lynch

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

802.17
ResPackRing
Mike Takefman

802.19 TAG
Coexistence
Shellhammer

802.20
MBWA
Jerry Upton

802.21
Handoff
AJ Rajkumar

802.22
TV Bands
Stevenson

APPOINTED OFFICERS

1st VICE CHAIR
Mat Sherman

2nd VICE CHAIR
Pat Thaler

EXECUTIVE SECY
Buzz Rigsbee

RECORDING SECY
Bob O'Hara

TREASURER
John
Hawkins

**MEMBER
EMERITUS**
Geoff
Thompson

HIBERNATION

802.2 LLC (Dave Carlson)
802.5 Token Ring (Bob Love)
802.12 Demand Priority (Pat Thaler)

DISBANDED

802.4 Token Bus
802.7 Broadband TAG
802.9 ISLAN
802.14 CATV
802.6 DQDB
802.8 Fiber Optic TAG
802.10 Security

March 2005 - Schedule of Meetings for IEEE-SA Standards Board and Committees

Date	Committee	Time	Meeting Room	Food
Friday, 18 March	Patent Committee	8:30am - 11:00am	Montreal	Breakfast
	New Member Orientation	11:00am - 12:00pm	Vancouver	Coffee/Soft Drinks
	Buffet Lunch	12:00pm - 1:00pm	Cairo	Lunch
	Procedures Committee (ProCom)	1:00pm - 4:00pm	Hong Kong	Coffee/Soft Drinks
	Audit Committee	4:00pm - 6:00pm	Montreal	Coffee/Soft Drinks
	IEEE 802 & S:B Social	6:30pm - 8:00pm	Executive Conference Room	Hors D'oeuvres
Saturday, 19 March	New Standards Committee (NesCom)	8:30am - 2:00pm	Cairo	Bkfst/Lunch
	Standards Review Committee (RevCom)	8:30am - 2:00pm	Hong Kong	Bkfst/Lunch
	Administrative Committee (AdCom)	3:00pm - 5:00pm	Montreal	Coffee/Soft Drinks
	Standards Forum	5:00pm - 7:00pm	Vancouver	Coffee/Soft Drinks
	Forum Dinner	7:00pm - 8:30pm	Singapore/Manilla	Dinner
Sunday, 20 March	STANDARDS BOARD	10:30am - 5:00pm	International North	Coffee/Soft Drinks
	Buffet Lunch	12:00pm - 1:00pm	Montreal/Vancouver	Lunch

IEEE Staff Introductions

- Judy Gorman
 - Managing Director
- Karen Kenney
 - Associate Managing Director
- Jennifer McClain Longman,
 - Managing Editor Standards Information and Industry Publications
- Andy Ickowicz,
 - Program Manager, Technical Program Development
- Michelle Turner
 - Project Editor
- Susan Vogel
 - Manager, Technical Committee Programs

IEEE-SA Standards Board Bylaws on Patents in Standards

6. Patents

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be a letter that is in the form of either:

- a) A general disclaimer to the effect that the patentee will not enforce any of its present or future patent(s) whose use would be required to implement either mandatory or optional portions of the proposed IEEE standard against any person or entity complying with the standard; or
- b) A statement that a license for such implementation will be made available without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination.

This assurance shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal and is irrevocable during that period.

Inappropriate Topics for IEEE WG Meetings

- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed... do formally object.

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit <http://standards.ieee.org/board/pat/index.html>

IEEE Project 802
Statement of Operations
Nov 2004 Plenary Session
San Antonio, TX
As of Mar 13th, 2005

Session Income		Actual	Budget	Deviation
Registrations		1,579	1,250	329
966 Early registrations	@ \$300	289,800	225,000	64,800
6 Early cancellations	@ \$300	-1,800		
28 Cancellations	@ \$250	-7,000		
643 Web registrations	@ \$350	225,050	175,000	50,050
3 Cancellations	@ \$300	-900		
6 On-site registrations	@ \$350	2,100		
1 Other	@ \$100	100		
Registraion Subtotal		<u>507,350</u>	<u>400,000</u>	107,350
0 Deadbeat Payment	@ \$350	0	0	0
Interest		152	60	92
Other		<u>2,450</u>	<u>0</u>	2,450
TOTAL Session Income		509,952	400,060	109,892
Session Expenses		Actual	Budget	
Audio Visual Rentals		28,711	15,000	(13,711)
Audit		0	0	0
Bank Charges		412	278	(134)
Copying		3,707	3,500	(207)
Credit Card Discounts & Fees		13,463	10,800	(2,663)
Equipment Expenses		16,834	9,000	(7,834)
Get IEEE 802 Contribution		118,425	93,750	(24,675)
Insurance		0	0	0
Meeting Administration		101,411	76,838	(24,573)
Misc Expenses		9,791	20,500	10,709
Networking		116,027	54,388	(61,639)
Phone & Electrical		7,557	2,100	(5,457)
Refreshments		125,600	100,000	(25,600)
Shipping		8,911	4,500	(4,411)
Social		48,042	40,000	(8,042)
Supplies		<u>1,693</u>	<u>500</u>	(1,193)
TOTAL Session Expense		600,584	431,154	(169,430)
NET Session Surplus/(Deficit)		<u>(90,632)</u>	<u>(31,094)</u>	(59,538)
Analysis				
Refreshments per registration		80	80	0
Social per registration		30	32	2
Meeting Admin per registration		64.23	61.47	(3)
Surplus/(Loss) per registration		(57)	(25)	(33)
Pre-Registration ratio		0.61	0.60	

**IEEE Project 802
Statement of Operations
Jan 2005 Interim Session
Vancouver, BC
As of Mar 13th, 2005**

Session Income	Actual	Budget	Deviation
Registrations	218	215	3
125 Early registrations @ \$225	28,125	43,538	(15,413)
1 Early cancellations @ \$225	-225		
3 Cancellations @ \$175	-525		
97 Web registrations @ \$275	26,675	5,913	20,763
0 Cancellations @ \$225	0		
0 On-site registrations @ \$275	0		
0 Other @ \$100	0		
Registraion Subtotal	54,050	49,450	2,979
0 Deadbeat Payment @ \$350	0	0	0
Interest	0	0	0
Other	0	0	0
TOTAL Session Income	52,429	49,450	2,979
Session Expenses	Actual	Budget	
Audio Visual Rentals	1,424	1,000	(424)
Audit	0	50	50
Bank Charges	0	50	50
Copying	0	150	150
Credit Card Discounts & Fees	1,741	1,335	(406)
Equipment Expenses	0	0	0
Get IEEE 802 Contribution	0	0	0
Insurance	0	0	0
Meeting Administration	21,021	21,605	584
Misc Expenses	0	500	500
Networking	2,912	3,010	98
Phone & Electrical	100	500	400
Refreshments	9,911	20,000	10,089
Shipping	2,503	1,000	(1,503)
Social	0	0	0
Supplies	432	450	18
TOTAL Session Expense	40,044	49,650	9,606
NET Session Surplus/(Deficit)	12,385	(200)	12,585
Analysis			
Refreshments per registration	45	93	48
Social per registration	0	0	0
Meeting Admin per registration	96.43	100.49	4
Surplus/(Loss) per registration	57	(1)	58
Pre-Registration ratio	0.57	0.90	

IEEE Project 802
Estimated Statement of Operations
March 2005 Plenary Session
Atlanta, GA
As of Mar 13, 2004

Meeting Income	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>	
Registrations	1,550	1,200	350	29.2%
Registration income	496,000	384,000	112,000	29.2%
Deadbeat collections	0	0	0	
Bank interest	150	150	0	0.0%
Other income	0	0	0	
TOTAL Meeting Income	496,150	384,150	112,000	29.2%
Meeting Expenses	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>	
Audio Visual Rentals	20,000	15,000	(5,000)	-33.3%
Audit	6,000	6,000	0	0.0%
Bank Charges	275	230	(45)	-19.6%
Copying	3,500	5,500	2,000	36.4%
Credit Card Discount	13,396	10,752	(2,644)	-24.6%
Equipment Expenses	12,000	9,000	(3,000)	-33.3%
Get IEEE 802 Contribution	116,250	90,000	(26,250)	-29.2%
Insurance	0	3,000	3,000	100.0%
Meeting Administration	21,100	75,064	53,964	71.9%
Misc Expenses	500	500	0	0.0%
Network	50,000	34,388	(15,612)	-45.4%
Phone & Electrical	2,500	2,100	(400)	-19.0%
Refreshments	124,000	72,000	(52,000)	-72.2%
Shipping	4,500	3,100	(1,400)	-45.2%
Social	46,500	42,000	(4,500)	-10.7%
Supplies	500	500	0	0.0%
TOTAL Meeting Expense	421,021	369,134	(51,887)	-14.1%
NET Meeting Income/Expense	75,129	15,016	60,113	
Analysis				
Refreshments per registration	80	60	(20)	25%
Social per registration	30	35	5	9%
Meeting Administration per registration	14	63	49	4%
Networking per registration	32	29	(4)	10%
Get IEEE 802 Contribution per registratio	75	75	0	23%
Surplus/Deficit per registration	48	13	36	
Pre-registration rate	0.600	0.600		

IEEE 802 Membership

Pat explains membership criteria

LMSC Policy and Procedures Update

Author:

Matthew Sherman
1st Vice Chair, IEEE 802
BAE Systems - CINR
Matthew.Sherman@BAESystems.com

Date: March 14th, 2005

Status on P&P Restructuring

Rationale for Restructuring P&P

- Current P&P has been “patched” for 20 years
 - Inconsistencies have crept in
- P&P viewed as “Broken” by many EC members
 - Identified as single most critical issue during 802 restructuring discussions
- Unable to keep up with number of revisions required
 - Was doing 3+ revisions per plenary cycle
 - Did not keep up with revisions required
- SA Rules have changed over time
 - Need through review to check compliance
- CS SAB recently completed complete rewrite of their rules
 - Requirements impact our rules
- AUDCOM has model Sponsor P&P and now reviews our P&P
 - Complying with AUDCOM model should ease approval our our P&P

➤ *Restructuring of Rules required to accommodate these issues*

Restructuring Process

- Reformat to match Sponsor Model (1 Cycle)
 - Editorial in Nature
- Modify for conformance (1 Cycle)
 - Identify where requirements of SA and CS SAB not met
 - Introduce changes to bring into conformance
- Streamline (~~+2~~ Cycles)  **YOU ARE HERE
IN 2ND CYCLE**
 - Implement “Less is More”
 - Fix any deficiencies specific to 802
 - Reduce backlog of P&P revisions
- Entire process to take roughly 16 months
 - Extend 4 months for streamlining

LMSC P&P Maintenance Activities

- In process streamlining ballots (Vote for approval Friday)
 - P&P Revision Process (Matthew Sherman)
 - EC Membership & Meetings (Matthew Sherman)
 - EC Voting (Matthew Sherman)
 - WG Voting (Matthew Sherman)
- Pending streamlining ballots (Vote for balloting Friday)
 - WG Membership & Meetings (Matthew Sherman)
 - LMSC Procedures & Process (Matthew Sherman)
 - LMSC Organization (Matthew Sherman)
 - Miscellaneous (Matthew Sherman)
- Other Ballots
 - Bob Grow?

EC meetings

Exec Boardroom Suite 226

- Tuesday 9:30-11am reserved (Paul)
- Tuesday 1-2pm IEEE/ITU-R discussion (Mike Lynch)
- Tuesday 2-3pm China Liaison discussions (Roger)
- Tuesday 3-4pm ISO/JTC1 discussions (Geoff)
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- EMS contract review open (Pat)
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- Wed 1-2pm reserved (Paul, BobG)
- Wed 2-4pm International Meetings (BobO and Buzz)
- Thurs 6-8pm EC/SASB 'open office' (Paul and Steve)

Tutorial Schedule

Monday	Tuesday
1) Residential Ethernet 6:30-8:00PM	3) EMS: Integration of MyBallot into existing ballot resolution tools 6:30-8:00PM
2) 4G Neighborhood Area Networks 8:00-9:30PM	4) Routing Enhanced Bridges 8:00-9:30PM
	9:30-10:30PM
	CFI-Wireless Mike Beacon 6:30-8:00PM (not a tutorial, tentative)
	47

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

14th March 2005

Areas of work

- 802 Architecture and interworking between 802 technologies
 - Cross-802 Architecture group
 - “Technical Plenary” if needed
 - Joint meetings this week with 802.3, 802.11
- MAC Bridging
 - “traditional” bridging
 - VLAN bridging
 - Provider bridging
- Link Security
 - Secure frame transmission
 - Key management
- LAN management
 - Discovery mechanisms

Officers

- Chair: Tony Jeffree
- Vice Chair: Paul Congdon
- Recording Secretary: Michael Wright
- Interworking and Link Sec TG Chair: Mick Seaman
- Link Sec TG Secretary: Allyn Romanow
- Maintenance of Email exploder: Hal Keen
- Maintenance of website: John Messenger
 - Website: <http://www.ieee802.org/1/>

Status of current projects - (1)

- Revision of 802.1Q - VLANs
 - Main work is general cleanup plus alignment with revisions to 802.1D MAC Bridges
 - Necessary pre-cursor to ongoing amendments (Provider Bridging,...etc.)
 - WG ballot and first recirc completed
 - Expect Sponsor ballot before July meeting
- Revision of 802.1X – Port access control
 - Now approved and published

Status of current projects - (2)

- Link layer discovery (P802.1AB)
 - Submitted to RevCom; meets end of this week
- MAC Service revision (P802.1ac)
 - Initial input generated based on ISO/IEC JTC1 standard 15802-1 plus ISS, E-ISS from 802.1D and 802.1Q

Status of current projects - (3)

- P802.1ad Provider Bridges:
 - An amendment to 802.1Q
 - First WG ballot completed
 - Comment resolution this week
 - Expect Sponsor ballot mid-year

Status of current projects - (4)

- P802.1AE – MAC Security
 - First working group ballot ongoing (completes Friday)
 - Will do some initial ballot processing this week
 - Sponsor ballot probably July-Sep timeframe
- P802.1af – Key Agreement
 - Initial draft generated
- P802.1ag Connectivity Fault Management
 - Second draft generated

Status of current projects - (5)

- P802.1ah – Provider Backbone Bridges
 - Proposed amendment to 802.1Q to provide further scaling characteristics in conjunction with P802.1ad in large provider networks
 - PAR approved
 - Initial draft generated
- P802.1aj – Two-port MAC Relay
 - Proposed amendment to 802.1Q to define a relay device, commonly known as a “media converter”, that will assist the integration of 802 LAN technologies with emulated LAN services in use in the provider networking space.
 - PAR approved
- P802.1ak – Multiple Registration Protocol
 - Proposed amendment to 802.1Q to improve the performance/scalability of GARP-based applications (GVRP, GMRP) in provider networks
 - PAR approved
 - Second draft generated

New project proposals (PARs) being developed this week, for submission in July

- P802.1?? – Device identification
- P802.1?? – Media independent management of wireless networks

IEEE 802.3 Working Group

14 March 2005

Robert M. Grow
Chair, IEEE 802.3 Working Group
bob.grow@ieee.org

802.3 Officers

- 802.3 Chair: Bob Grow (bob.grow@ieee.org)
- 802.3 Vice Chair: David Law (david_law@3com.com)
- 802.3 Secretary: Steve Carlson (scarlson@esta.org)

- P802.3REVam: David Law (david_law@3com.com)
- P802.3an 10GBASE-T: Brad Booth (bradley.booth@intel.com)
- P802.3ap Backplane Ethernet: Adam Healey (ahealey@agere.com)
- P802.3aq 10GMMF: David Cunningham
(david_cunningham@agilent.com)
- P802.3ar Congestion Mgt: Kevin Daines (kevin.daines@wwp.com)
- P802.3as Frame Format Extensions: Kevin Daines
(kevin.daines@wwp.com)
- Residential Ethernet SG: Steve Carlson (scarlson@esta.org)
- Power over Ethernet Plus SG: Mike McCormack
(mike_mccormack@ti.com)

IEEE 802.3 Standards

- IEEE Std 802.3-2002 (8 Mar 2002)*
- IEEE Std 802.3ae-2002 (30 Aug 2002)*
- IEEE Std 802.3af-2003 (18 Jun 2003)*
- IEEE Std 802.3aj-2003 (26 Sep 2003)*
- IEEE Std 802.3ak-2004 (1 March 2004)*
- IEEE Std 802.3ah-2004 (7 Sep 2004)*

- IEEE Std 1802.3Rev-2001*

* Available through Get IEEE 802
<http://standards.ieee.org/getieee802/802.3.html>

P802.3REVam

- Revision of IEEE Std 802.3 includes merge of:
 - IEEE Std 802.3-2002
 - IEEE Std 802.3ae-2002
 - IEEE Std 802.3af-2003
 - IEEE Std 802.3aj-2003
 - IEEE Std 802.3ak-2004
 - IEEE Std 802.3ah-2004
 - Maintenance 8
 - Errata
- Meeting plan (Wed, Thur AM)
 - Passed initial Sponsor ballot
 - Respond to 1st Sponsor Recirculation Ballot comments on P802.3REVam/D2.1

P802.3an 10GBASE-T

- Extends Ethernet capabilities at 10 Gb/s
 - Operation over horizontal twisted pair
 - New physical layer to run under 802.3ae specified XGMII
- Meeting plan (Tue, Wed, Thu morn)
 - Technical presentations
 - Refine current draft: P802.3an/D1.4
 - Anticipate WG ballot following plenary

P802.3ap Backplane Ethernet

- Define Ethernet operation over electrical backplanes
 - 1Gb/s serial
 - 10Gb/s serial
 - 10Gb/s using XAUI based 4 lanes
 - Autonegotiation
- Meeting plan (Tue, Wed, Thu morn)
 - Technical presentations and completion of draft
 - Refine/add to current draft: P802.3ap/D0.8

P802.3aq 10GBASE-LRM

- Extends Ethernet capabilities at 10 Gb/s
 - New physical layer to run under 802.3ae specified XGMII
 - Extends Ethernet capabilities at 10 Gb/s
 - Operation over FDDI-grade multi-mode fiber
- Meeting plan (Tue, Wed, Thu morn)
 - Technical presentations
 - Refine current draft: P802.3an/D1.1
 - Anticipate WG ballot following plenary

P802.3ar Congestion Management

- Enhances Ethernet congestion management characteristics
 - Rate control
 - Support of cooperative IEEE 802 congestion management work
- Meeting plan (Tue, Thu morn)
 - Technical presentations
 - Joint issues covered in 802.1 (Wed PM)

P802.3as Frame Format Extensions

- Increase the maximum Ethernet frame size for protocol header/trailer additions
 - Initiated at the request of 802.1 in support of protocols like MACSec and Provider Bridging
 - Determine practical maximum allowed by 802.3 specifications rather than the current 1522 byte maximum
- Meeting plan (Wed, Thu morn)
 - Technical presentations
 - Review/adopt initial draft
 - Joint issues covered in 802.1 (Wed PM)

Residential Ethernet Study Group

- Develop Ethernet specifications for residential applications requiring time sensitive data delivery
 - Use existing 802.3 full-duplex PHYs
 - Provide predictable latency and low jitter
 - May include admission controls and clock synchronization
- Meeting plan (Tue, Wed, Thu morn)
 - Technical presentations
 - Seeking approval for P802.3at PAR this week

Power over Ethernet Plus Study Group

- Increase the amount of power delivered over twisted pair copper from that specified by IEEE Std 802.3af-2003
- Meeting plan (Tue, Wed, Thu morn)
 - Technical presentations
 - Develop PAR and Five Criteria

Other Activities

- Residential Ethernet tutorial
 - Monday, 6:30pm
 - Maintenance (Wed), interpretations (Wed), liaison matters, etc.

This Week's Meetings

- Opening WG plenary starts Monday, 1:00pm – International
- TF and SG meetings, Tues morning through Thurs noon
- Closing WG plenary, Thursday 1:00pm – International
- 802.3 Web Site: www.ieee802.org/3

90th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION

Hyatt Regency Atlanta, 265 Peachtree Street NE., Atlanta, GA 30303, USA

March 13th-18th, 2005

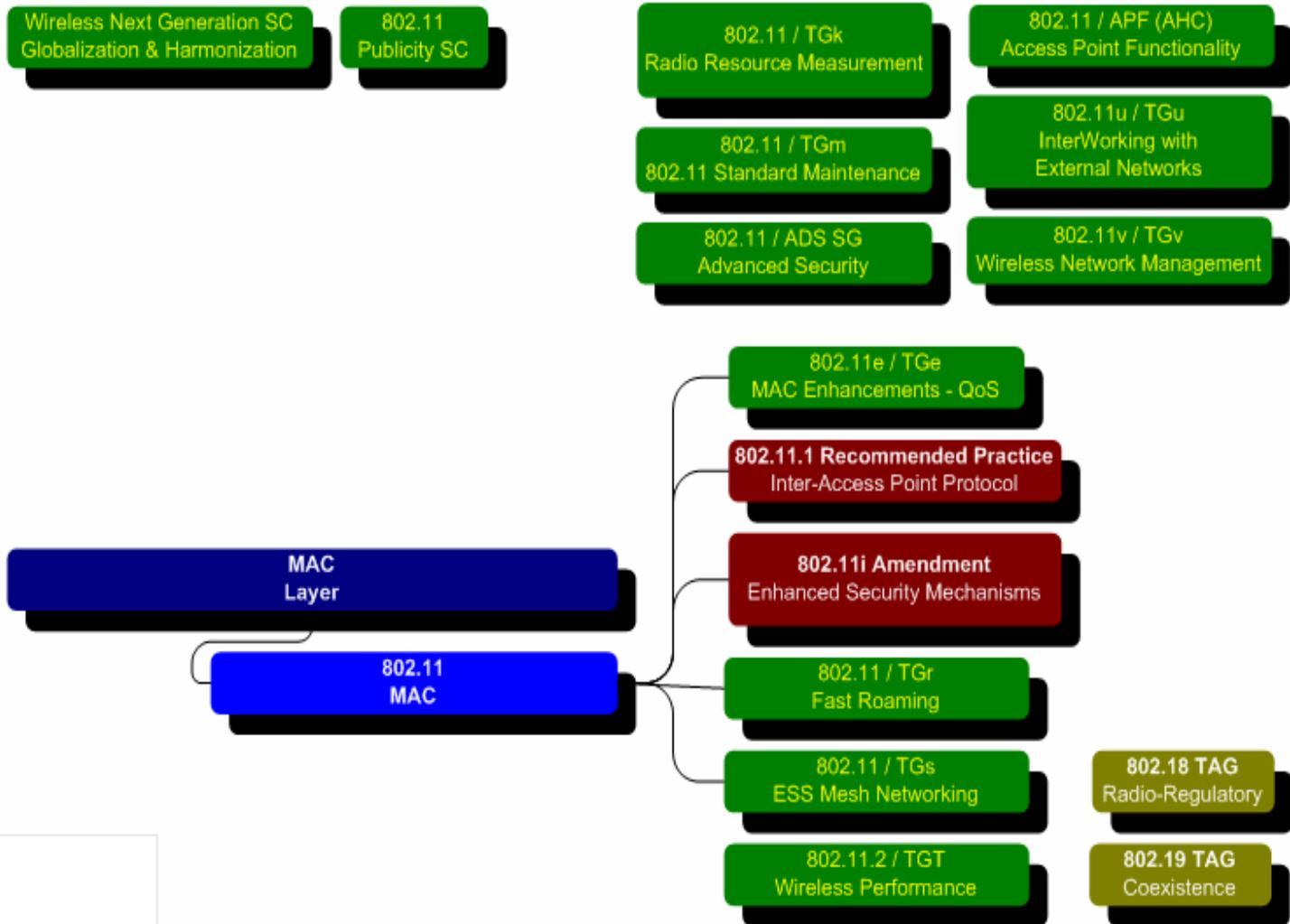


IEEE
802.11

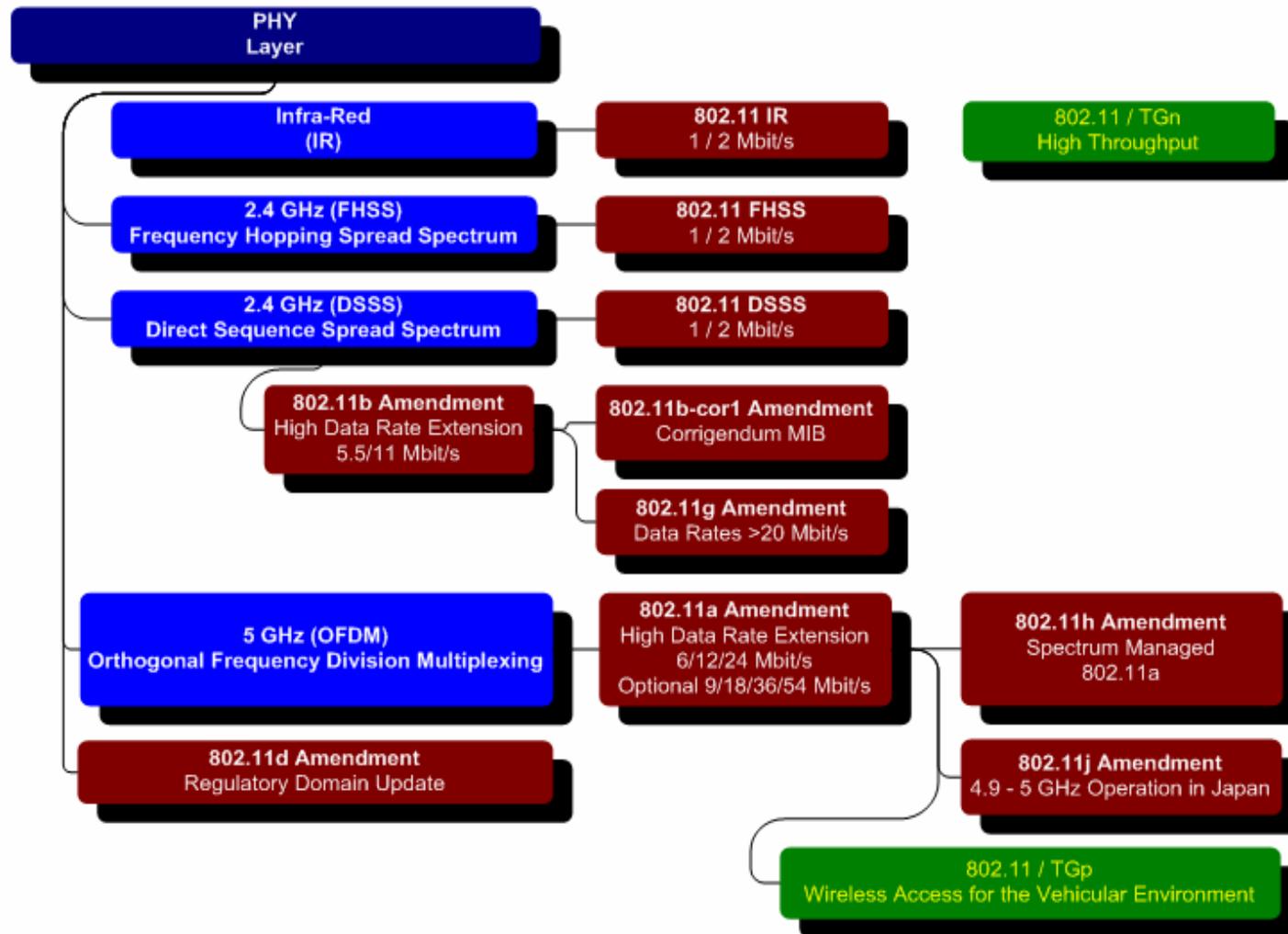
www.ieee802.org/11

Stuart J. Kerry - Chair, IEEE 802.11 WLANs Working Group
stuart.kerry@philips.com

802.11 MAC & Other Activities



802.11 PHY Activities





IEEE 802.11 WORKING GROUP OFFICERS

Name	Position	Work Phone	eMail
Stuart J. Kerry	IEEE 802.11 WG Chair	+1 (408) 474-7356	stuart.kerry@philips.com
	Philips Semiconductors, Inc., 1109 McKay Drive, M/S 48A SJ, San Jose, CA 95131-1706, USA		
	Fax: +1 (408) 474-5343		
Al Petrick	WG Vice-Chair / Treasurer	+1 (321) 235-3423	apetrick@icefyre.com
	Policies & Treasury		
Harry R. Worstell	WG Vice-Chair	+1 (973) 236-6915	hworstell@att.com
	Attendance, Ballots, Documentation & Voting		
Tim Godfrey	WG Secretary	+1 (913) 664-2544	tim.godfrey@conexant.com
	Minutes & Reports		
Terry Cole	WG Technical Editor	+1 (512) 602-2454	terry.cole@amd.com
	Standard & Amendment(s) Coordination		
Nanci Vogtli	Publicity Chair (P SC)	+1 (215) 340-2226	nancivogtli@concrete-logic.com
	Communications		
Teik-Kheong "TK" Tan	WNG SC Chair	+1 (408) 474-5193	tktan@ieee.org
John Fakatselis	TGe Chair	+1 (321) 327-6710	john.fakatselis@conexant.com
Duncan Kitchin	TGe Vice-Chair	+1 (503) 264-2727	duncan.kitchin@intel.com
Richard H. Paine	TGk Chair	+1 (206) 854-8199	richard.h.paine@boeing.com
Bob O'Hara	TGm Chair	+1 (408) 635-2025	bob@airespace.com
	Assigned Numbers Authority		
Bruce P. Kraemer	TGn Chair	+1 (321) 327-6704	bruce.kraemer@conexant.com
Sheung Li	TGn Vice-Chair	+1 (408) 773-5295	sheung@atheros.com
Lee Armstrong	TGp Chair	+1 (617) 244-9203	LRA@tiac.net
Clint Chaplin	TGr Chair	+1 (408) 528-2766	cchaplin@si.symbol.com
Donald E. Eastlake 3rd	TGs Chair	+1 (508) 786-7554	donald.eastlake@motorola.com
Charles R. Wright	TGT Chair	+1 (978) 268-9202	charles_wright@azimuthsystems.com
Stephen McCann	TGu Chair	+44 (1794) 833341	stephen.mccann@roke.co.uk
Pat R. Calhoun	TGv Chair	+1 (408) 635-2023	pcalhoun@airespace.com
Jesse Walker	ADS SG Chair	+1 (503) 712-1849	jesse.walker@intel.com
Dorothy Stanley	APF AHC Chair	+1 (630) 979-1572	dstanley@aqere.com



90th IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION

Hyatt Regency Atlanta, 265 Peachtree Street NE., Atlanta, GA 30303, USA

March 13th-18th, 2005

The graphic below describes this session of the IEEE P802.11 Working Group

TIME	SUNDAY (13th)	MONDAY (14th)	TUESDAY (15th)	WEDNESDAY (16th)	THURSDAY (17th)	FRIDAY (18th)	
07:00-08:00			802.11 WG, TG, SG, SC EDITORS MEETING			Joint Meeting	
08:00-08:30		802 EC MEETING	PSC TGT TGR TGP TGV TGE ADS SG WNG SC TGN TGS	TGU TGR TGV	.19 TGN	IEEE 802.11 WORKING GROUP	
08:30-09:00						CLOSING PLENARY	
09:00-09:30				Break	Break	Break	Break
09:30-10:00							Break
10:00-10:30							Break
10:30-11:00				IEEE 802.11 WORKING GROUP	.21 TGR TGV TGN TGP	CLOSING PLENARY	
11:00-11:30		802 PLENARY				(Continued)	
11:30-12:00				MID-SESSION PLENARY			
12:00-12:30							
12:30-13:00			Lunch Break	Lunch Break	Lunch Break	12:00 Hard Stop Time	
13:00-13:30						802 EC MEETING	
13:30-15:30		IEEE 802.11 WORKING GROUP OPENING PLENARY & JOINT INTER-CHANGE	TGE TGT TGR TGP TGN TGE TGT TGM APF AHC TGN TGS	TGM TGN TGS	TGM TGT TGS ADS SG		
15:30-16:00	11/15/18/19/20/21/22 LEADERSHIP MEETING	Break	Break	Break	Break		
16:00-17:00		TGE TGM TGU TGP TGN	APF AHC TGT TGU TGT TGN	TGE TGT TGP TGN TGS	TGM TGT TGS		JTC1 SC6 AHC
17:00-17:30	NEW MEMBERS ORIENTATION			Break			
17:30-18:00							
18:00-18:30		Dinner Break	Dinner Break				
18:30-19:00							
19:00-19:30		T1	T3	Social Evening	802.11 WG CHAIRs ADVISORY COMMITTEE (CAC)		
19:30-20:00	802.11 WG CHAIRs ADVISORY COMMITTEE (CAC)						
20:00-20:30		T2	T4				
20:30-21:00		TGE TGM TGU TGP TGN	APF AHC TGT TGU TGT TGN		PREPARATION MEETING		
21:00-21:30							
21:30-22:00							
22:00-22:30							

Session Hour Limits

802.11 WORKING GROUP OBJECTIVES FOR THIS SESSION

CHAIR - STUART J. KERRY

1ST VICE-CHAIR - AL PETRICK / 2ND VICE-CHAIR - HARRY WORSTELL / SECRETARY - TIM GODFREY

- Update timeline chart for all 802.11 WG PARs & Projections for Completion
- IEEE 802.11 & Other Standards Bodies or Alliances administrative issues & co-ordination
- CAC Co-ordination with WG Chair

PUBLICITY STANDING COMMITTEE OBJECTIVES FOR THIS SESSION

802.11 / 802.15 - Joint Publicity

JOINT CHAIRS - NANCI VOGTLI - 802.11 / GREGG RASOR - 802.15

- Reports from industry groups
- Discuss press coverage of 802.11 & 802.15
- Discuss upcoming events requiring press release
- Discuss any needed communication improvements

WNG STANDING COMMITTEE OBJECTIVES FOR THIS SESSION

802.11 - Wireless LANs Next Generation

CHAIR - TEIK-KHEONG "TK" TAN

- Updates from ETSI-BRAN, MMAC, Radio Regulatory
- Update from Operator requirements and VoIP over WLAN
- Prepare for IEEE Interim May 2005

TASK GROUP E OBJECTIVES FOR THIS SESSION

802.11 - MAC Enhancements - QoS

CHAIR - JOHN FAKATSELIS / VICE-CHAR - DUNCAN KITCHIN

- To resolve Sponsor Ballot comments, generate a new version of the draft
 - Work towards submitting a Recirculation Ballot or finalizing process

TASK GROUP K OBJECTIVES FOR THIS SESSION

802.11 - Radio Resource Measurements

CHAIR - RICHARD PAINE

- Letter Ballot 73 Comment Resolution and Recirc

TASK GROUP M OBJECTIVES FOR THIS SESSION

802.11 - Standard Maintenance

CHAIR - BOB O'HARA

- Integration of content from AP Functional Description SC
- Process any interpretation requests received
- Issue of draft to Working Group letter ballot

TASK GROUP N OBJECTIVES FOR THIS SESSION

802.11 - High Throughput

CHAIR - BRUCE KRAEMER / VICE-CHAR - SHEUNG LI

- Proposal Presentations
- Q&A
- Technical Comparison Presentations
- Down select vote
- Confirmation vote
- Technical editor election
- Planning for May

TASK GROUP P OBJECTIVES FOR THIS SESSION

802.11 - Wireless Access for the Vehicular Environment

CHAIR - LEE ARMSTRONG

- Prepare 802.11p amendment
- Plan for next meeting, Working Group letter ballot

TASK GROUP R OBJECTIVES FOR THIS SESSION

802.11 - Fast Roaming

CHAIR - CLINT CHAPLIN

- Discuss downselect process
 - Take presentations
 - Have written downselect vote
- Prepare for May meeting

TASK GROUP S OBJECTIVES FOR THIS SESSION

802.11 - ESS Mesh Networking

CHAIR - DONALD EASTLAKE 3RD

- Brief Preliminary Presentations of Proposals
- Presentations and Discussions on Task Group Process and Proposal Selection Procedures
- Presentations and Discussions on Other Mesh Submissions

TASK GROUP T OBJECTIVES FOR THIS SESSION

802.11 - Wireless Performance

CHAIR - CHARLES R. WRIGHT

- Elect permanent secretary
- Approve requirements for TGT proposals
- Approve a draft organization proposal
- Technical presentations:
 - RF test environments, metrics, definitions, application performance, device operating environments, device configuration

TASK GROUP U OBJECTIVES FOR THIS SESSION

802.11 - InterWorking with External Networks

CHAIR - STEPHEN MCCANN

- Discussion and drafting of requirements and down selection criteria documents
- Technical submissions to assist with scenarios and requirements
- Review external bodies documentation
- Review actions and open issues list

TASK GROUP V OBJECTIVES FOR THIS SESSION

802.11 - Wireless Network Management

CHAIR - PAT R. CALHOUN

- Elect / Appoint Secretary
- Elect / Appoint Technical Editor
- Define Requirements
- Present Technical Submissions

ADVANCED SECURITY SG OBJECTIVES FOR THIS SESSION

802.11 - ADVANCED SECURITY (ADS) SG

CHAIR - JESSE WALKER

- Hear Presentations related to the PAR
- Reauthorize Study Group until July meeting
- Solicit volunteers for Task Group Recording Secretary, Editor

APF ADHOC GROUP OBJECTIVES FOR THIS SESSION

802.11 - Access Point Functionality

CHAIR - DOROTHY STANLEY

- Finalize Access Point Functional Description Submission(s) to TGM
- Develop Presentations and Tutorial Material on AP Functional Descriptions

ISO JTC1-SC6 AHC OBJECTIVES FOR THIS SESSION

JTC1-SC6 AHC

CHAIR - JESSE WALKER

- Address action items arising from WAPI, including passing enabling motions**



IEEE 802.11 WLAN WORKING GROUP SESSIONS

All interested parties are welcome to attend our open Public meetings of the IEEE 802.11 Working Group, you do not have to be an IEEE member to attend. There is a registration fee, to defray the cost of the session. At Plenary sessions these are administered by the IEEE 802 LMSC organization. Whereas, the Interim sessions are normally managed by our sponsoring host. This is in-addition to your individual hotel accommodation, and travel expenses. Click here to view an [Example Plenary and Interim Session Agenda](#), or review the latest Combined Tentative Agenda for the next IEEE 802.11 WG Session below.

FUTURE SESSIONS

For Year 2005	<i>Interim Sessions to be Allocated if Required</i>	Session	Type
March 13th-18th	Hyatt Regency Atlanta, GA, USA - Session Hotel General Information Only	90	Plenary
	802.11 WG, TGs, SGs, SC & AHC Combined Agendas includes the WG Objectives & WG Graphic	XLS Rev.0	
	Session Registration & Hotel Information	Click Here	
May 15th-20th	<i>Cairns, Queensland, Australia ⁽¹⁾</i>	91	Interim*
July 17th-22nd	Hyatt Regency San Francisco, CA, USA - General Information - Booking TBD	92	Plenary
September 18th-23rd	Hyatt Regency Orange County, CA, USA - General Information - Booking TBD	93	Interim*
November 13th-18th	Hyatt Regency Vancouver, BC, Canada - General Information - Booking TBD	94	Plenary
For Year 2006	<i>Interim Sessions to be Allocated if Required</i>	Session	Type
January	<i>To Be Determined ⁽²⁾</i>	95	Interim*
March 12th-17th	Hyatt Regency New Orleans, LA, USA - General Information - Booking TBD	96	Plenary
May	<i>To Be Determined ⁽²⁾</i>	97	Interim*
July 16th-21st	Manchester Grand Hyatt, San Diego, CA, USA - General Information - Booking TBD	98	Plenary
September	<i>To Be Determined ⁽²⁾</i>	99	Interim*
November 12th-17th	Hyatt Regency Dallas, TX, USA - General Information - Booking TBD	100	Plenary

802.11 WG Communication

IEEE 802.11 Web Site: www.ieee802.org/11/

Members Site: www.802wirelessworld.com

EMAIL REFLECTORS

Working Group	stds-802-11@listsev.ieee.org	This reflector is for official Technical business of the 802.11 Working Group, Study Groups, Standing Committees, and AdHoc Groups. WG Letter Ballots, Technical discussions and Questions, Comments on presentations and documents, are welcome.
Task Group e	stds-802-11-tge@listsev.ieee.org	These reflectors are for official Technical business of each 802.11 Task Group community. Technical discussions and Questions, Comments on presentations and documents, are welcome.
Task Group k	stds-802-11-tgk@listsev.ieee.org	
Task Group m	stds-802-11-tgm@listsev.ieee.org	
Task Group n	stds-802-11-tgn@listsev.ieee.org	
Task Group p	stds-802-11-tgp@listsev.ieee.org	
Task Group r	stds-802-11-tgr@listsev.ieee.org	
Task Group s	stds-802-11-tgs@listsev.ieee.org	
Task Group t	stds-802-11-tgt@listsev.ieee.org	
Task Group u	stds-802-11-tgu@listsev.ieee.org	
Task Group v	stds-802-11-tgv@listsev.ieee.org	

The Email Reflectors are closed and restricted to those on the list to reduce SPAM. Membership of all reflectors is strictly controlled and adheres to the current WG Policies and Procedures. To send to a list you must use your exact email address that is subscribed as the 'From' address.

To be added to the 802.11 reflectors please review: www.ieee802.org/11/Email_Subscribe.html

Do Not send subscription requests directly to the email reflectors, see above information.

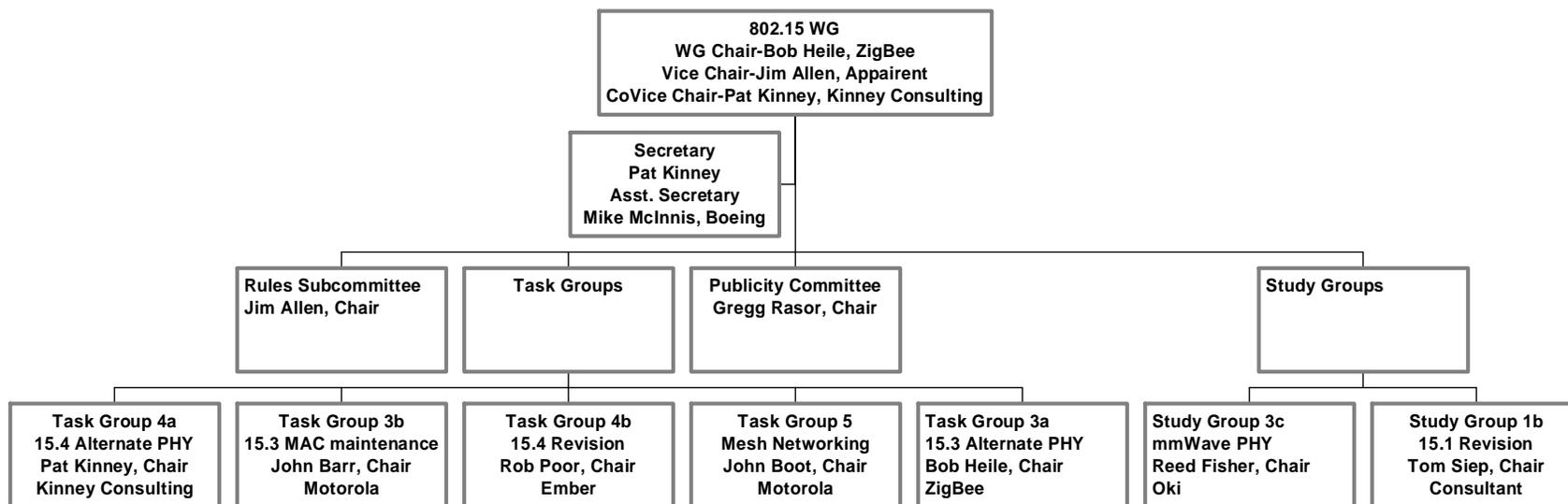


35th Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

March 14-18, 2004

**Hyatt Regency Peachtree
Atlanta, Georgia, USA**

802.15 Functional Organization Chart



To add your name to the WG/SG/TG reflectors
please go to www.ieee802.org/15

Objectives of the Atlanta Session

March 14-18, 2004

TASK GROUP 1a OBJECTIVES FOR THE MEETING

- 1. Revision completed and approved**

TASK GROUP 3a OBJECTIVES FOR THE MEETING

- 1. Conduct PHY proposal down selection process**
- 2. Other contributions (as required and as down-selection process allows)**

TASK GROUP 3b OBJECTIVES FOR THIS MEETING:

- 1. Review results of Letter Ballot 29 and commence comment resolution.**

Objectives of the Atlanta Session

March 14-18, 2004

TASK GROUP 4a OBJECTIVES FOR THIS MEETING:

- 1. Determine the full list of valid proposals**
- 2. Conduct "low hurdle" downselection if more than six proposals**
- 3. Conduct panel discussion with remaining proposers**

TASK GROUP 4b OBJECTIVES FOR THIS MEETING:

- 1. Review results of Letter Ballot 28 and commence comment resolution.**

Objectives of the Atlanta Session

March 14-18, 2004

TASK GROUP 5 OBJECTIVES FOR THIS MEETING:

- 1. Review Proposals**
- 2. Revise Project Plan**

STUDY GROUP 1b OBJECTIVES FOR THIS MEETING

- 1. Determine whether to move forward or disband.**

STUDY GROUP 3C OBJECTIVES FOR THIS MEETING

- 1. Secure approval on PAR & 5C**

Atlanta Session Graphic

R1	35th IEEE 802.15 WPAN MEETING																
	Hyatt Regency Atlanta , USA March 13-18, 2005																
The graphic below describes the weekly session of the IEEE P802.15 WG in graphic form																	
	SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY											
07:00-07:30				802.15 AC MEETING													
07:30-08:00																	
08:00-08:30		802 EC MEETING	TG4b	TG3b	TG4a	PC with 802.11	SG3c	SG1b	TG4a	TG4b	SG3c	TG4a	TG4b	SG1b	802.15 WG CLOSING		
08:30-09:00																	
09:00-09:30																	
09:30-10:00																	
10:00-10:30																	
10:30-11:00		Break		Break	Break	Break											
11:00-11:30		802 PLENARY	TG4b	TG3b	TG4a	TG1a									802.15 WG CLOSING		
11:30-12:00																	
12:00-12:30		Lunch on Your Own															
12:30-13:00																	
13:00-13:30		802.15 Opening Plenary															
13:30-14:00																	
14:00-14:30																	
14:30-15:00		TG3a	TG4b	TG3b	TG4a	TG5	TG3a	TG3b	TG4a	TG4b	SG3c	TG4a	TG4b	TG3b			
15:00-15:30																	
15:30-16:00		Break		Break	Break	Break	Break	Break	Break	Break	Break	Break	Break	Break			
16:00-16:30	11 / 15 / R-REG LEADERSHIP MEETING																
16:30-17:00		TG3a	TG3b	TG4a	TG4b	TG4b	TG3b	TG4a	TG5	TG3a	TG3b	TG4a	TG4b	TG3a	TG4a	TG4b	TG3b
17:00-17:30	NEW MEMBERS ORIENTATION																
17:30-18:00																	
18:00-18:30																	
18:30-19:00	Dinner	Dinner on your own	Tut 1	Dinner on your own	Tut 4												
19:00-19:30																	
19:30-20:00																	
20:00-20:30	Optional Meeting Time	Optional Meeting Time	TG4a	Tut 2	Optional Meeting Time	TG4a	Tut 5										
20:30-21:00																	
21:00-21:30	802.15 AC MEETING																
21:30-22:00																	
22:00-22:30																	

LEGEND

TG1a
TG3a
TG3b
TG4a
TG4b
TG5

Task Group 1a Bluetooth Revision Project
Task Group 3a -High Rate Alt PHY
Task Group 3b -HIGH RATE MAC maintenance
Task Group 4a - Low Rate Alternative PHY
Task Group 4b - 15.4 enhancements
Task Group 5 - mesh networking

PC
TUT
SEC
SG3c
AC
SG1b

Publicity Committee
IEEE 802 Tutorials 1, 2, 3 and 4
802 SPONSOR EXECUTIVE COMMITTEE
millimeter wave Study Group
802.15 ADVISORY COMMITTEE
Study Group 1b 15.1 enhanced rate

Upcoming Sessions

- May 15-20, 2005, Cairns, QLD, Australia- *Interim Meeting**.
- July 17-22, 2005, Hyatt Regency San Francisco, San Francisco, CA USA, 802 *Plenary Meeting*.
- September 18-23, 2005, Hyatt Garden Grove, CA USA, *Interim Meeting**.
- November 13-18, 2005, Hyatt Regency Vancouver, Vancouver, BC, Canada, 802 *Plenary Meeting*.
- January 15-20, 2006, Hyatt Waikoloa Village, Big Island, HI USA, *Interim Meeting**.
- March 12-17, 2006, Hyatt Regency New Orleans, LA USA, 802 *Plenary Meeting*.

IEEE 802.16

Working Group on Broadband Wireless Access

Roger Marks, Chair



IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)

802 LMSC Opening Plenary

14 March 2005

Atlanta, GA, USA

802.16 Membership

- **220 Members**
- **127 Potential Members**
- **177 Official Observers**
- **Registration for session (by Sunday)**
 - **272 (Primary and Secondary)**

802.16 Interim Sessions

- #33: 30 August - 2 September 2004
 - Seoul, Korea (288 people)
- #35: 24-27 January 2005
 - Sanya, China (313 people)
- #37: May 2005
 - Sorrento, Italy
- #39: September 2005
 - Taipei

Task Group e

- **Brian Kiernan: Chair**
- **Ron Murias: Editor**

- **Sponsor Ballot: first recirc complete**
 - **~550 comments to resolve**

NetMan Task Group

- **Phil Barber, Chair**
- **802.16f: MIB**
 - **WG Letter Ballot complete**
 - **Will ask EC to forward for Sponsor Ballot**
- **802.16g: Management Plane Procedures and Services**
 - **Call for comments; inputs to consider**

Maintenance Task Group

- **Jon Labs, Chair**
- **P802.16-2004/Cor1: Corrigendum**
 - **To IEEE Std 802.16-2004**
- **Completed Working Group Letter Ballot yesterday**
- **Comments to resolve this week**

Task Group C

- **Gordon Antonello, Vice Chair**
- **Series of conformance standards**
- **Current activity:**
 - **P802.16/Conformance 04 (PICS)**
 - **Several rounds of Call for Comments on Working Document**

802.16's Study Group on Licensed-Exempt Coexistence

- **Mariana Goldhamer, Chair**
- **PAR P802.16h approved in Dec 2004**
 - Amendment on *Improved Coexistence Mechanisms for License-Exempt Operation*
- **Second meeting: this week**

802.16 Officers

- **Chair: Roger Marks**
- **Vice Chair: Ken Stanwood**
- **Secretary: Dean Chang**

Resources

- **local server:**
 - **<http://mercury.WirelessMAN.org>**
[10.0.1.16]
- **permanently:**
 - **<http://WirelessMAN.org>**



IEEE 802.17 Resilient Packet Ring

Session # 27

Monday Plenary Start Time

1:15 pm @ Geneva Room
International Tower-LL2



Past Interims



- December 13, 2004
 - Teleconference
- January 25/26/27, 2005
 - Interim Session in Ottawa
- February 15, 2005
 - Teleconference



Work This Week

- Maintenance / Interpretation Task Force
 - 802.17 Base Standard
- 802.17b Spatially Aware Sublayer
 - Finalization of Requirements
 - Selection of technical method



802.17 Meeting Schedule



	Mon	Tues	Wed	Thurs
8:00-10:00		802.17b	802.17b	802.17b
10:00-12:00			802.17 Maintenance	Plenary
13:00-16:00	Plenary Start 1:15pm	802.17b	802.17b	Plenary
16:00-18:00	802.17 Maintenance	802.17 Maintenance		



Proposed Interim Sessions



- April
 - 802.17b Conference Call
- May
 - 802.17b Meeting
 - Location Ottawa / Piscataway
- June
 - 802.17b Conference Call

802.18 RR-TAG Opening Report

- Report on Jan 05 Interim Meeting
- Objectives for this Meeting

Report on Jan 05 Interim Meeting

- Held joint session with 802.22
 - Discussed filing reply comments on the FCC TV band NPRM
 - After an interesting discussion it was decided not to file reply comments
- Reviewed 3 UK Ofcom consultations

Planned Objectives for This Meeting

- Complete comments on the 3 Ofcom consultations:
 - Covers spectrum framework review, implementation of changes and UWB
 - Three drafting groups:
 - Jim Raab – spectrum framework review
 - John Notor – implementation plan
 - Winston Caldwell – UWB

Please consider (active) participation in 802.18!

- **802.18 needs consistent participation from all wireless WGs**
 - Our charter is to provide balanced representation of the interests of all of the wireless WGs before the FCC and other regulatory bodies
 - WG chairs who have not yet done so are encouraged to appoint liaisons to 802.18 *who are able to and will actually attend 802.18 as their primary group*
 - Other members of wireless WGs who can attend 802.18 as their primary group, or at least substantially, are also encouraged to participate
 - Remember ... attendance in 802.18 meetings counts towards maintaining your voting rights in your “home WG”

March 2005

IEEE 802.19

Wireless Coexistence TAG

Steve Shellhammer
shellhammer@ieee.org

TAG Officers

Office	Officer	Appointment Date
Chair	Steve Shellhammer	March 2004
Vice Chair	Tom Siep	March 2004
Secretary	Steve Whitesell	March 2004
Editor	David Cypher	March 2005

Plan for the Week

- **Joint meeting with 802.11n**
 - Discuss Coexistence Assurance (CA) document requirements
- **Joint meeting with 802.15.4b**
 - Discuss Coexistence Assurance (CA) document requirements
- **Liaison report from IEEE 1073**
- **Information about IEEE 1900.2**
 - WG being formed on wireless coexistence formed. Sponsored by the EMC and Communication societies
- **Submissions on the coexistence assurance (CA) methodology document**
 - What is a CA document?
 - Coexistence Methodology guidelines – A call to contribution
 - Reflections on TGn development and proposal for 802.19

Meeting Times This Week

- **Tuesday**
 - 8 AM – 12:30 PM
 - 4 – 6 PM (Joint meeting with 802.15.4b)
- **Wednesday**
 - 8 AM – 10 AM (Joint meeting with 802.11n)
- **Thursday**
 - 1:30 PM – 6:00 PM

802 Opening March 2005 Plenary 802.20 Session #13

Jerry Upton- Chair

jerry.upton@ieee.org

Gang Wu – Procedural Vice Chair

Eshwar Pittampalli – Liaison Vice Chair

Logistics

- No Electronic sign-in - - Manual Sign In Books
- 802.20 has 14 meeting slots you need to participate in 11 meeting slots to get participation credit.
- Attendees shall state their Affiliation in the manual sign in book per Appendix B of the 802.0 Version 1.0 Policies & Procedures (802.20 PD-05). This is a requirement for obtaining a voting token.
- 802.20 and 802.21 Grant Reciprocal Maintenance Attendance Credit in addition to .18 & .19, please state your home group when signing in
- Local website: <http://neptune/mbwa/index.html>
- Meeting Room - - Regency VI – Atrium Tower Ballroom Level

Objectives for the Session

1. Primary Objective is Closure of Evaluation Criteria, Traffic Models, and Channel Models Documents
2. Consensus on Technology Selection Process

802.20 Opening Session Starts at 1:30PM
Regency VI – Atrium Tower Ballroom Level



Joint Opening Plenary

IEEE 802.21 Session #7

Media Independent Handover Services

Atlanta, Georgia

Ajay Rajkumar

ajayrajkumar@lucent.com

WG Officers

- Chair Ajay Rajkumar
ajayrajkumar@lucent.com
- Vice-Chair Michael Williams
Michael.G.Williams@nokia.com
- Secretary Xiaoyu Liu
xiaoyu.liu@samsung.com
- Editor Vivek G. Gupta
vivek.g.gupta@intel.com



IEEE 802.21

Meeting Server Details

Handover Server IP address: **10.0.1.21**

Host Name : **handover**

External website: <http://www.ieee802.org/21>

On site meeting website: <http://10.0.1.21>

On site alternate website name: <http://handover/>

On site web portal: <http://ieee802.facetoface-events.com/plenary/attendee>

Meeting Logistics

- No electronic attendance again
 - Manual attendance with signup sheets circulated during meetings
- Voting Members have 802.21 indication on their badges
 - For any VM badge problems please send email to Michael Williams, Vice-Chair with cc to Chair

Session Time and Location

- Location: Hyatt Regency, Atlanta, GA
 - Atrium Tower Ballroom Level, Regency V
- Time:
 - Monday:
 - Afternoon: 1.30 pm – 6.00 pm
 - Tuesday to Thursday:
 - Morning: 8.00 am – 12.00 pm
 - Afternoon: 1.00 pm – 6.00 pm
- Total number of 14 sessions
 - To get attendance credit towards voting membership for this interim, one would require 75% attendance in 11 sessions



Agenda Summary - Session #7

- Continued contributions evaluation of proposals with more explanations. This is in response to Call for Proposals on the following work items
 - Media Independent Handover (MIH) Model
 - Event/Trigger Service Model
 - Information Service
- Presentation of Updated Proposals during this session
 - Remaining Harmonized proposals with text explaining the details
- Further discussion on
 - Possible Differences/Similarities between proposed solutions
 - Evaluation Criteria and Down Selection Process
- Liaison/Interaction with other groups
 - Working Joint Session with 802.11u
 - Interaction with 802.16g (NETMAN)
 - Response to IETF link indication draft
 - IETF DNA WG Chair presentation

Future Sessions

- Interim: May 15th – 20th
 - Cairns, Australia. Meeting co-located with 802.11/15/18/19/20/22
- Plenary: July 17th – 22nd, Hyatt Regency
 - San Francisco, CA, USA. Co-located with all 802 groups
- Interim: September 18th – 23rd, Hyatt Regency
 - Orange County, CA, USA. Meeting co-located with 802.11/15/18/19/20/22
- Plenary: November 13th – 18th, Hyatt Regency
 - Vancouver, BC, Canada. Co-located with all 802 groups

802.22 Opening Report – March 2005

IEEE P802.22 Wireless RANs

Date: 2005-03-14

Authors:

Name	Company	Address	Phone	email
Carl R. Stevenson	WK3C Wireless LLC	4991 Shimerville Rd., Emmaus, PA 18049-4955	+1 610-841-6180	carl.stevenson@ieee.org

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>

802.22 WG Opening Report

- **Report on meetings to date**
- **Objectives for this Meeting**

Report on November 2004 Plenary

- **1st meeting of the 802.22 WG**
 - Peak attendance of 114
 - 76 met the 75% attendance requirement and gained voting rights
 - With liaison appointments and voting rights at chair's discretion to other WG/TAG chairs, total number of voters is currently 84
- **WG P&P draft discussed, edited, and approved**
- **Scope of PAR, WG objectives, and workplan discussed**
- **Election of officers held**
 - Supervised by Paul Nikolich and IEEE-SA Staff
 - Carl R. Stevenson (WK3C Wireless LLC) elected WG Chair
 - Gerald Chouinard (Communications Research Centre of Canada) elected WG Vice-chair

Report on January 2005 Interim

- **Had a full schedule of meetings**
 - 8:00 am – 6:00 pm Monday through Thursday
 - 8:00 am – 12:00 noon Friday
- **One meeting slot was a joint meeting with 802.18**
 - Discussed whether Reply Comments on the TV band NPRM were required
 - Decided that Reply Comments from .18 (or 802) were impractical, given timing and divergent opinion in several areas
- **Agreed on milestone goals to get to sponsor ballot by January 2007**
- **Remainder of meeting slots dedicated to work on requirements document outline/draft**
- **Authorized ad hoc groups (PHY/MAC/General) to hold teleconference meetings until the March 2005 plenary to advance drafting work on the requirements document**

Objectives for this session

- **Have a full schedule of meetings**
 - 8:00 am – 6:00 pm Monday through Thursday
 - 8:00 am – 12:00 noon Friday
- **Wednesday PM1 meeting slot - discuss coexistence**
 - Marianna Goldhammer, Chair of .16h
 - Steve Shellhammer, Chair of .19
- **Remainder of meeting slots dedicated to work on requirements document outline/draft**
 - Unclear if we can finish/approve this week
 - Schedule says finish/approve by end of May 2005 interim
 - However, if we can finish/approve this week, we could issue a call for preliminary proposals to be presented at the May 2005 interim
 - This would allow more time for proposal evaluation/merger/consolidation
 - Goal is to avoid contention in the process of arriving at a baseline for 1st draft
 - If not, will authorize ad hoc groups (PHY/MAC/General/etc.) to hold teleconference meetings until the May 2005 interim, as needed to finish

The meeting was adjourned at 12:00 noon

- 5 Respectfully submitted,
Bob O'Hara
Recording Secretary