

AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING

Monday, March 10, 2003 - 8:00 a.m.

Hyatt Hotel– DFW Airport, TX

5 1. MEETING CALLED TO ORDER

Paul Nikolich called the meeting to order at 8:00 am. Members in attendance were:

- Paul Nikolich - Chair, IEEE 802 LAN / MAN Standards Committee
- Geoff Thompson - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- 10 Mat Sherman - Vice Chair, IEEE 802 LAN / MAN Standards Committee
- Buzz Rigsbee - Executive Secretary, IEEE 802 LAN / MAN Standards Committee
- Bob O'Hara - Recording Secretary, IEEE 802 LAN / MAN Standards Committee
- Bill Quackenbush - Treasurer, IEEE 802 LAN/MAN Standards Committee
- Tony Jeffree - Chair, IEEE 802.1 - HILI Working Group
- 15 Bob Grow - Chair, IEEE 802.3 - CSMA/CD Working Group
- Bob Love - Chair, IEEE 802.5 - Token Ring Working Group
- Stuart Kerry - Chair, IEEE 802.11 - Wireless LANs Working Group
- Bob Heile - Chair, IEEE 802.15 – Wireless PAN Working Group
- Roger Marks - Chair, IEEE 802.16 – Broadband Wireless Access Working Group
- 20 Mike Takefman - Chair, IEEE 802.17 – Resilient Packet Ring Working Group
- Carl Stevenson - Chair, IEEE 802.18 – Regulatory TAG
- Jim Lansford - Chair, IEEE 802.19 – Coexistence TAG
- Mark Klerer - Chair, IEEE 802.20 – Mobile Broadband Wireless Access

25 The meeting was attended by approximately 20 IEEE 802 Working Group members and several IEEE Staff, including Jerry Walker, Judy Gorman, Sue Vogel, Karen Rupp, and Jennifer Longman.

Proposed Agenda

DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING

Monday, March 10, 2003 - 8:00AM -10:30AM

Airport Hyatt - Dallas, TX

1.00		MEETING CALLED TO ORDER	-	Nikolich	1	08:00 AM
2.00	MI	APPROVE OR MODIFY AGENDA	-	Nikolich	4	08:01 AM
3.00	*	APPROVE / MODIFY MINUTES OF PREVIOUS MEETING	-	Nikolich	5	08:05 AM
4.00	II	TREASURER'S REPORT	-	Quackenbush	5	08:10 AM
4.01	II	Security ECSG update	-	Sala	5	08:15 AM
Category (* = consent agenda)						
Stds Board items						
5.00	II	December Stds Board Actions (approved projects, standards, withdrawals)	-	Nikolich	2	08:20 AM
5.01	II	Stds due for Maintenance and/or revision	-	Nikolich	2	08:22 AM
5.02	II	expiring PARs (802.3af)	-	Nikolich	2	08:24 AM
5.03	II	PARS to NesCom	-	Nikolich	2	08:26 AM
5.04	II	Drafts to Sponsor Ballot	-	Nikolich	2	08:28 AM
5.05	II	Drafts to Revcom	-	Nikolich	2	08:30 AM
SA items						
5.06	II	get IEEE 802 update	-	J. Walker	2	08:32 AM

5.07	II	SA conformance to drafts policy	-	G. Thompson	2	08:34 AM	
5.08	II	SA position statement policy	-	Nikolich	2	08:36 AM	
5.09	II	802 Task Force update	-	Nikolich	2	08:38 AM	
5.10	II	Funding Model Task Force update	-	J. Carlo	2	08:40 AM	
5.11	II	Request to SA board to clarify recirc ballot rules (5.4.3.2 of Ops Manual)	-	Sherman	10	08:42 AM	
5.12	II	IEEE Standards Edition Policy	-	Longman	2	08:52 AM	
5.12.1	II	Interpretation by ProCom	-	Grow	2		
		LMSC items					08:54 AM
5.13	MI	LMSC Meeting Fee Waivers	-	Nikolich	2	08:54 AM	
5.14	II	Tutorial schedule	-	Nikolich	1	08:56 AM	
5.15	II		-			08:57 AM	
5.16	II	Operating Rules update	-	M. Sherman	10	08:57 AM	
5.17	II	802.19 TAG Status/Plans for the week	-	Lansford	5	09:07 AM	
5.18	II	802 Handoff CFI	-	Marks	2	09:12 AM	
5.19	II	802 enews letter/PR - status update	-	Klerer	2	09:14 AM	
5.20	II	802.18 Radio Regulatory TAG Status Update	-	Stevenson	5	09:16 AM	
5.21	II	802.3aj maintenance PAR update	-	Grow	2	09:21 AM	
5.22	II	802.3ak 10GBASE-CX4 PAR update	-	Grow	2	09:23 AM	
5.23	II	802.11 maintenance PAR update	-	Kerry	2	09:25 AM	
5.24	II	802.11n High Throughput PAR update	-	Kerry	2	09:27 AM	
5.25	II	1802.16.3 10-66 GHZ Conformance Tests PAR update	-	Marks	2	09:29 AM	
5.26	MI	Confirmation of Carl Eklund as Vice Chair of 802.16	-	Marks	2	09:31 AM	
5.27	ME	Endorsement of External Candidate for IEEE Fellow	-	Marks	10	09:33 AM	
5.28	II	Update on 802.20 WG, including Naming	-	Klerer	5	09:43 AM	
5.29	II	refund policy	-	Quackenbush	2	09:48 AM	
5.30	MI	Approval of SOW & RFP for meeting services	-	Quackenbush	15	09:50 AM	
5.31	II	Database status	-	Rigsbee	5	10:05 AM	
5.32	II	Meeting Network Services update	-	Heile	2	10:10 AM	
5.33	II		-			10:12 AM	
5.34	II	IEEE patent policy - change to 802 procedures?	-	Jeffree	10	10:12 AM	
5.35	II		-			10:22 AM	
5.36	II	Computer Society SAB update	-	Nikolich	2	10:22 AM	
5.37	II	IEEE-USA CCIP (Committee on Communications and Information Policy)	-	J. Thatcher	5	10:24 AM	
5.38	II	Exhibits at meetings policy review	-	Nikolich	2	10:29 AM	
5.39	II		-			10:31 AM	
5.40	DT	SEC meeting schedule (rules, SA, etc.)	-	Nikolich	5	10:31 AM	
		ADJOURN SEC MEETING	-	Nikolich		10:36 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

Motion: to approve the agenda
Moved: Jeffree/Grow, Passes 10/0/0

IEEE Project 802
Statement of Operations
November, 2002 Plenary Meeting
Koloa, Kauai, Hawaii
As of February 28, 2003

Meeting Income	Actual	Budget
Net Registrations	871	800
591 Registrations @ \$250	147,750	
280 Registrations @ \$300	84,000	
9 Cancellation @ \$50	450	
0 Cancellations @ \$150	0	
0 Other @	0	
Registraion Subtotal	232,200	208,000
0 Deadbeat Payment @ \$300	0	0
Interest	105	150
Other	0	375
TOTAL Meeting Income	232,305	208,525
Meeting Expenses	Actual	Budget
Audio Visual Rentals	9,942	10,000
Audit	0	0
Bank Charges	239	230
Copying	371	6,000
Credit Card Discounts & Fees	6,158	5,824
Equipment Expenses	601	5,000
Get IEEE 802 Contribution	65,100	60,000
Insurance	(220)	0
Meeting Administration	50,656	49,680
Misc Expenses	2,260	2,000
Networking	9,328	10,000
Phone & Electrical	1,712	2,000
Refreshments	58,402	60,000
Shipping	10,311	3,000
Social	52,411	41,000
Supplies	168	400
TOTAL Meeting Expense	267,438	255,134
NET Meeting Income/Expense	(35,133)	(46,609)
Reserve for uninvoiced expenses	3,000	
Expenses from prior meetings	0	
Reserve for outstanding commitments	7,000	
Expenses prepaid for current meeting	9,200	
March 2003 Operating Reserve	151,649	
Worst Case Hotel Cancellation Penalties	128,633	

**IEEE Project 802
Statement of Operations
802.1/802.3 January, 2003 Interim Meetings
Vancouver, BC, Canada
As of February 28, 2003**

Meeting Income	Actual	Budget
Net Registrations	276	220
190 Registrations @ \$275	52,250	
86 Registrations @ \$325	27,950	
5 Cancellation @ \$50	250	
0 Cancellations @ \$150	0	
0 Other @	0	
Registration Subtotal	80,450	61,600
0 Deadbeat Payment @ \$300	0	0
Interest	0	0
Other	1,386	0
TOTAL Meeting Income	81,836	61,600
Meeting Expenses	Actual	Budget
Audio Visual Rentals	2,083	5000
Audit	0	
Bank Charges	30	30
Copying	77	110
Credit Card Discounts & Fees	1,664	1848
Equipment Expenses	0	0
Get IEEE 802 Contribution	0	0
Insurance	0	0
Meeting Administration	18,813	15932
Misc Expenses	0	550
Networking	1,699	2000
Phone & Electrical	283	1000
Refreshments	39,296	31469.9
Shipping	773	1500
Social	0	0
Supplies	235	275
TOTAL Meeting Expense	64,952	59,715
NET Meeting Income/Expense	16,884	1,885

LMSC Budget

	2002				2003				2003
	St. Louis <i>Actual</i>	Vancouver <i>Actual</i>	Kauai <i>Actual</i>	2002	Vancouver <i>Budget</i>	Dallas (DFW) <i>Budget</i>	San Francisco <i>Budget</i>	Albuquerque <i>Budget</i>	
	<i>March</i>	<i>July</i>	<i>Nov</i>		<i>January .1/.3 Interims</i>	<i>March</i>	<i>July</i>	<i>Nov</i>	
Meeting Income:									
Registrations	972	952	871		240	900	950	875	
Preregistration fee	250	250	250		275	300	300	300	
On-site registration fee	300	300	300		325	350	350	350	
Average Fee	264	274	267		280	313	313	313	
Subtotal	257,000	260,725	232,200	749,925	67,200	281,250	296,875	273,438	851,563
Bank Interest	149	148	105	403	0	150	150	150	450
Other	300	765	0	1,065	0	0	0	0	0
TOTAL Income	257,449	261,638	232,305	751,393	67,200	281,400	297,025	273,588	852,013
Meeting Expenses:	March	July	Nov	2002	January	March	July	Nov	2003
Audio Visual Rentals	10,508	10,991	9,942	31,441	5,000	10,000	10,000	10,000	30,000
Audit	5,454	0	0	5,454	0	4,508			4,508
Bank Charges	162	245	239	646	30	230	230	230	690
Copying	4,194	845	371	5,409	120	5,500	5,500	5,500	16,500
Credit Card Discounts	6,703	6,925	6,158	19,786	1,882	7,875	8,313	7,656	23,844
Equipment Purchase/Repair	0	5,174	601	5,776	0	7,000	7,000	7,000	21,000
IPF/Escrow/Free 802 Stds	72,900	71,400	65,100	209,400	0	67,500	71,250	65,625	204,375
Insurance	1,944	770	(220)	2,494	0	3,000	0	0	3,000
Meeting Planners	54,670	53,636	50,656	158,962	16,744	51,775	63,213	59,406	174,394
Misc Expenses	207	3,717	2,260	6,184	600	500	500	2,000	3,000
Network	7,478	4,114	9,328	20,920	2,000	25,000	25,000	25,000	75,000
Phone & Electrical	1,110	603	1,712	3,425	1,000	2,100	2,100	2,100	6,300
Refreshments	62,566	35,928	58,402	156,896	36,019	67,500	71,250	61,250	200,000
Shipping	1,966	2,485	10,311	14,761	1,500	3,000	2,000	3,700	8,700
Social	30,288	23,220	52,411	105,919	0	27,000	28,500	26,250	81,750
Supplies	17	643	168	827	300	168	168	168	503
TOTAL Meeting Expense	260,165	220,696	267,438	748,300	65,195	282,656	295,023	275,885	853,564
NET to Operating Reserve	(2,716)	40,942	(35,133)	3,094	2,005	(1,256)	2,002	(2,298)	(1,552)
Opening Reserve	152,741	150,025	190,967		155,834	155,834	154,578	156,580	
Projected Closing Reserve	150,025	190,967	155,834		157,839	154,578	156,580	154,283	
Projected Closing Cash	148,025	188,967	153,834			152,578	154,580	152,283	
Meeting Contracts Liability					17,433	111,200	107,400	45,150	

IEEE P802 Link Security Executive Committee Study Group

Status Report

Dallas, March 10-12, 2003

January Meeting Summary

- **Lengthy discussions on Requirements, PAR and 5 criteria, scenarios, and placement of the project.**
- **SG agreed to recommend placing the project in 802.1**
 - In favor: 26; Against: 0; Abstain: 12
- **Agreed on a work plan**
 - Decide the scenarios
 - Analyze the architecture and partition the problem
 - Define PAR(s)
 - Have 3 tutorials in March on major related areas: EPON, Bridging, Security

SEC Email Ballot

- **SEC motion to ratify SG's recommendation:**

(Email ballot from February 11 2PM EST to February 21 2PM EST)

– MOTION: "The SEC resolves that the Link Security Study Group will become a study group of the 802.1 HiLi working group, effective from the start of the March 802 Plenary meeting."

MOVER: Tony Jeffree

SECOND: Bob Grow

Motion Failed. Disapprove: 6; Approve: 5; Abstain: 0; Did Not Vote: 3
(See discussion at: <http://www.ieee802.org/secmail>)

Reasons:

- Decision needs to be made in the Plenary meeting
- An email from Ken Alonge (Chair 802.10) suggesting placing the project in 802.10 (<http://www.ieee802.org/secmail/msg03244.html>)

Meeting Objectives

- **Hear Presentations and Tutorials**
- **Agree on initial set of scenarios and objectives**
- **Discuss requirements, threat models and architecture models**
- **Discuss PAR definition**
 - One or more than one PAR
 - Project(s) definition: Scope and Purpose
- **Next meeting goals**

Motion: SEC resolves to place the Link Security SG in 802.1

Moved: Jeffrey/Thompson

5 **Moved: Postpone consideration of the motion to the closing SEC meeting on Friday.**

Moved: Jeffrey/Kerry

Passes: 13/0/1

5.00 II December Stds Board Actions (approved projects, standards, withdrawals) - Nikolich 2 08:20 AM

Dec 2002 and Jan 2003 Standards Board Actions

- **P1541** Binary Prefixes approved as a Trial Standard for two years

New Projects Approved

- **P802.1y** (C/LM) Local and Metropolitan Area Networks - Media Access Control (MAC) Bridges - Amendment 3: Technical and Editorial Corrections
 - ***Recommendation:*** Approve request for withdrawal.
- **P802b** (C/LM) Standard for Local and Metropolitan Area Networks - Overview and Architecture - Amendment 2: Registration of Object Identifiers
 - ***Recommendation:*** Defer new PAR pending the receipt of an updated PAR.
- **P802.1ad** (C/LM) Standard for Local and Metropolitan Area Networks - Virtual Bridged Local Area Networks - Amendment 4: Provider Bridges
 - ***Recommendation:*** Approve new PAR until December 2006.
- **P802.11j** (C/LM) Amendment to STANDARD [FOR] Information Technology- Telecommunications and information exchange between systems-Local and Metropolitan networks-Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: 4.9 GHz – 5 GHz Operation in Japan
 - ***Recommendation:*** Approve new PAR until December 2006.
- **P802.11k** (C/LM) Amendment to STANDARD [FOR] Information Technology- Telecommunications and information exchange between systems-Local and Metropolitan networks-Specific requirements-Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Radio Resource Measurement of Wireless LANs
 - ***Recommendation:*** Approve new PAR until December 2006, changing the scope as follows:
 - “This project will define Radio Resource Measurement enhancements to provide interfaces to higher layers for radio and network measurements.”

New Projects Approved

- **P802.15.3a** (C/LM) Amendment to Standard for Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements – Part 15.3: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications: Higher Speed Physical Layer Extension for the High Rate Wireless Personal Area Networks (WPAN)
Recommendation: Approve new PAR until December 2006.
- **P802.15.4** (C/LM) STANDARD FOR Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Part 15: Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (WPAN)
Recommendation: Approve revised PAR until December 2004.
- **P802.16d** (C/LM) Amendment to IEEE Standard for Local and Metropolitan Area Networks - Part 16: Air Interface for Fixed Broadband Wireless Access Systems - Detailed System Profiles for 2-11 GHz
Recommendation: Approve new PAR until December 2006.
- **P802.16e** (C/LM) Amendment to IEEE Standard for Local and metropolitan area networks - Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems – Amendment for Physical and Medium Access Control Layers for Combined Fix and Mobile Operation in Licensed Bands
Recommendation: Approve new PAR until December 2006.
- **P1802.16.2** (C/LM) Standard for Conformance to IEEE Standard 802.16 - Part 2: Test Suite Structure and Test Purposes (TSS&TP) for 10-66 GHz WirelessMAN-SC Air Interface
Recommendation: Approve new PAR as amended until December 2006.

New Projects Approved

- **P802.17a** (C/LM) Standard for Information Technology – Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks – Common Specifications - Part 3: Media Access Control (MAC) Bridges
- ***Recommendation:*** Approve new PAR until December 2006, changing the purpose as follows:
- “The purpose is to amend the 802.1D transparent bridge standard recognition of the 802.17 Media Access Control (MAC).”
- **P802.20** (C/LM) Local and Metropolitan Area Networks - Standard Air Interface for Mobile Broadband Wireless Access Systems Supporting Vehicular Mobility - Physical and Media Access Control Layer Specification
- ***Recommendation:*** Approve new PAR until December 2006.
- **P802.1D** (C/LM) Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Bridges
- ***Recommendation:*** Approve PAR for the revision of a standard until December 2006.

Standards Approved

- **P802.1s/D15 (C/LM)** Standard for Local and Metropolitan Area Networks – Amendment to 802.1Q Virtual Bridged Local Area Networks: Multiple Spanning Trees
 - Recommendation: APPROVE [Editorial staff shall change ‘Standard’ in the title to ‘Standards’.]
- **P802.16c/D4 (C/LM)** Amendment to IEEE Standard for Local and Metropolitan Area Networks – Part 16: Air Interface for Fixed Broadband Wireless Access Systems – Detailed System Profiles for 10-66 GHz
 - Recommendation: APPROVE

Reaffirmations

- **802.2-1989 (R1997)** Local Area Networks: Logical Link Control
 - [Also **802.2a-1993 (R1997)** + **802.2b-1993 (R1997)** + **802.2c-1997** + **802.2d-1993 (R1997)** + **802.2e-1993 (R1997)** + **802.2f-1997** + **802.2h-1997**]
 - *Sponsor states that a reaffirmation ballot will be initiated.*
 - Recommendation: Extend until December 2003.
- **802.5-1997** IEEE Standard for Local Area Networks: Token Ring Access Method and Physical Layer Specifications
 - [Also **802.5j-1997** + **802.5r-1997** + **802.5t-2000** + **802.5v-2001** + **802.5w-2000**]
 - *Sponsor states that a reaffirmation ballot will be initiated.*
 - Recommendation: Extend until December 2003.

Withdrawn Standards

- **802.6-1990 (R1997)** Local and Metropolitan Area Networks: Distributed Queue Dual Bus (DQDB) Subnetwork of a Metropolitan Area Network (MAN)
 - [Also **802.6d-1993 (R1997)** + **802.6f-1993 (R1997)** + **802.6j-1995 (R1997)**]
 - *Sponsor concurs with administrative withdrawal.*
 - Recommendation: Administrative Withdrawal.
- **802.7-1989 (R1997)** Local Area Networks: IEEE Recommended Practice: Broadband Local Area Networks
 - *Sponsor concurs with administrative withdrawal.*
 - Recommendation: Administrative Withdrawal.

The chair would like to entertain a Motion:

Direct the SEC Chair (or his designee) to initiate letter ballots to move the 802.6 and 802.7 WGs from the 'HIBERNATING' to 'DISBANDED' state.

Moved: _____ Seconded: _____

Motion: Direct the SEC Chair to initiate letter ballots to move the 802.6 and 802.7 working groups from the HIBERNATING to DISBANDED state.
Jeffrey/Grow, Passes: 14/0/0

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Reaffirmation Status

Std. 802.11-1999 Reaffirmation: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications
complete; 73 yes 1 no

802.2-1989 (R1997) Logical Link Control
[also 802.2a-1993 (R1997) + 802.2b-1993 (R1997) + 802.2c-1997
+ 802.2d-1993(R1997) + 802.2e-1993 (R1997) + 802.2f-1997 + 802.2h-1997]
In process;

802.5-1997 Token Ring Access Method and Physical Layer Specifications [also 802.5j-1997 + 802.5r-1997 + 802.5t-2000 + 802.5v-2001 + 802.5w-2000]
(I believe this was replaced by 8802-5 Third edition, 1998 and Third edition 1998 Amendment 1 Fiber Optic Media 1998)
In process;

Standards Due for 5 year review end of 2003

Withdrawal approved by SEC 11/2002, requested to RevCom 03/2003:

802.1B-1992 (R1998) Local and Metropolitan Area Network: LAN/MAN Management
[Also 802.1k-1993 (R1998)]

802.1E-1990 (R1998) Standard for Local Area Network: System Load Protocol
[Also 802.1m-1993 (R1998)]

802.1F-1993 (R1998) Local and Metropolitan Area Networks: Common
Definitions and Procedures for IEEE 802 Management Information

REAFFIRMATION ----IN PROCESS:

802.2-1989 (R1997) Local Area Networks: Logical Link Control
[Also 802.2a-1993 (R1997) + 802.2b-1993 (R1997) + 802.2c-1997 + 802.2d-1993
(R1997) + 802.2e-1993 (R1997) + 802.2f-1997 + 802.2h-1997 + 802.5p-1993]

802.5-1997 IEEE Standard for Local Area Networks: Token Ring Access Method
and Physical Layer Specifications
[Also 802.5j-1997 + 802.5r-1997 + 802.5t-2000 + 802.5v-2001 + 802.5w-2000]

TBD:

802.1Q-1998 IEEE Standards for Local and Metropolitan Area Networks:
Virtual Bridged Local Area Networks
[Also 802.1s-2002 + 802.1u-2001 + 802.1v-2001]
{The following PARs might be affected: P802.1z and P802.1ad}

802.10-1998 IEEE Standard for Interoperable LAN/MAN Security (SILS)
[Also 802.10a-1999 + 802.10c-1998]

Must provide reaffirm, revise, extend or withdraw recommendation by 10/21/2003

Expiring PARs

- P802.3af Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)
- P802.11b-1999/Cor 1-200x
Corrigenda to IEEE 802.11b-1999

Must finish, extend or withdraw PARs before 10/21/2003

PARs to NesCom

- **802.3**
 - .3aj Maintenance Revision #7
 - .3ak Physical Layer and Management Parameters for 10 Gb/s Operation, Type 10GBASE-CX4
- **802.11**
 - .11m Technical Corrections and Clarifications
 - .11n MAC and PHY specifications: Enhancements for Higher Effective Throughput
- **802.16**
 - 1802.16.3 Radio Conformance Tests (RCT) for 10-66 GHz WirelessMAN-SC™ Air Interface

Drafts to Sponsor Ballot

- Dot1
 - 802.1aa Port Based Access corrections
- Dot11
 - 802.11e QoS Enhancement
 - 802.11h Spectrum Management of 802.11a
 - 802.11i MAC Security Enhancements

Drafts in Sponsor Ballot

- Dot1
 - 802a Ethertypes for prototype and vendor-specific protocol development
- Dot3
 - 802.3 af DTE Power
- Dot11
 - 802.11e QoS Enhancement
 - 802.11g Higher Rate 2.4 GHz PHY
 - 802.11h Spectrum Management of 802.11a
 - 802.11i MAC Security Enhancements
- Dot15
 - 802.15.2 Coexistence
 - 802.15.3 High Rate
 - 802.15.4 Low Rate
- Dot16
 - 802.16.2a Fixed Wireless Coexistence Amendment
 - 1802.16.1 PICs 10-66GHz SC interface

Drafts to RevCom

- New
 - **P802.11F/D5** (C/LM) Trial-Use Recommended Practice for Multi-Vendor Access Point Interoperability Via an Inter-Access Point Protocol Across Distribution Systems Supporting IEEE 802.11 Operation
- Reaffirmation
 - **802.11-1999** (C/LM) IEEE Standard for Information Technology - Telecommunications and Information Exchange Between Systems - Local and Metropolitan Area Networks - Specific Requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications [Also: **802.11a-1999**; **802.11b-1999**; **802.11b-1999/Cor1-2001**; and **802.11d-2001**]

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The background features a large, light gray watermark of the IEEE Standards Association logo, which consists of a diamond shape containing a stylized 'I' and 'E' with arrows pointing outwards.

***Get IEEE 802™
Update 6***

IEEE Standards Association

Jerry Walker, Director

IEEE 802 SEC Meeting

10 March 2003

Dallas, TX



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Going Forward

- **Accept 2004 Program Budget**
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URL: <http://standards.ieee.org/getieee802/terms.html>

(Modified 6 March 2003)



A meeting on Wednesday from 10-11am is scheduled for further discussion of the program.

5.07 II SA conformance to drafts policy

- G. Thompson

2

08:34 AM

SA Conformance to Drafts Policy

- A new policy for addressing inappropriate vendor claims of conformance to drafts will be implemented.
- The procedures are as follows:
 - A) IEEE policy with respect to claims of compliance to drafts is outlined in the draft copyright statement, which states:
 - This document is an unapproved draft of a proposed IEEE Standard. As such, this document is subject to change. **USE AT YOUR OWN RISK!** Because this is an unapproved draft, this document must not be utilized for any conformance/compliance purposes.
 - B) The IEEE cannot prevent accurate claims of compliance or conformance. However, deceptive claims can be addressed.
 - If deceptive claims of compliance or conformance are found, the Sponsor (e.g., IEEE 802 SEC) should be informed.
 - The Sponsor will forward a letter describing the issues, along with evidence of such claims, to the Secretary of the IEEE-SA Standards Board.
 - The Secretary (Judith Gorman) will respond appropriately on behalf of the IEEE-SA.

The letter will be copied to the Sponsor and the WG chair.

Several SEC members expressed the opinion that the letter does not accomplish the purpose of discouraging the claim of conformance to a draft.

5 There will be a meeting Wednesday from 9-10 to conduct further discussion on this topic.

5.08 II SA position statement policy

- Nikolich

2

08:36 AM

SA Position Policy Statement

- SA proposed rules change addresses 802's concern—see below text:

- **IEEE-SA STANDARDS BOARD OPERATIONS MANUAL**
- **5.1.4 Statements to external bodies.**
- Each IEEE Standards Sponsor shall have policies and procedures in place concerning the creation and handling of public statements prior to sending any such statements in any format to any body other than the IEEE Standards Association. These procedures should state a means for determining a the Sponsor statement or recommendation and a methodology for presentation of those statements or recommendations. These procedures shall also conform both to the IEEE-SA procedures as administrated by the IEEE-SA Board of Governors (BOG) and stated in subclause 6.5 of the *IEEE Standards Association Operations Manual* and to the rules in Section 15 of the *IEEE Policies*.
- Each statement shall clearly state the group creating this statement in its opening paragraph, and shall include in that paragraph the exact sentence that “this document does not necessarily represent a position of either the IEEE or the IEEE Standards Association.”
- Electronic copies of all such public statements shall be sent to the Secretary of the IEEE-SA Standards Board and to the Secretary of the IEEE-SA BOG.
- If the Sponsor wants to submit an entity position statement on standards that represents the viewpoint of the IEEE Standards Association, the rules in the *IEEE Standards Association Operations Manual* shall be followed. If the Sponsor wishes to go to another IEEE entity (as defined in Section 15 of the *IEEE Policy and Procedures*) to have that entity offer a position statement on a standards matter, they shall can do so only after agreement from the IEEE-SA BOG.
- **RATIONALE:** The proposed changes clarify the types of statements that Standards Sponsors should produce (compared to the IEEE-SA BOG), and also clarifies the manner that those statements should be handled.

Jim Carlo confirmed that the rule change was adopted at the BoG meeting and that there was also a change to the IEEE-SA SB rules. He said the use of the word "position" is reserved to the BoG.

5.09 II 802 Task Force update

- Nikolich

2

08:38 AM

IEEE-SA/802 Task Force

- Teleconference held February 19, 2003
 - Topics:
 - Get IEEE 802 program update
 - Claims of Conformance to Drafts
 - Standards Editions
 - Participants:
 - 802- Paul, Geoff
 - BoG- Jim Carlo
 - SA Staff- Angela Ortiz, Karen Rupp, Yvette Ho-Sang, Sue Vogel
 - Schedule a meeting this week:
 - recommend Wed 9-10AM?

Meeting scheduled Wednesday 1-2pm for further discussion.

5.10 II Funding Model Task Force update

- J. Carlo

2

08:40 AM

IEEE SA BoG

Funding Model Task Force Update

- Jim Carlo
 - Alternative sources of funding SA
 - Increase membership dues
 - Project initiation fee
 - Corporate membership dues

Goals:

Better allocate revenue sources to cost sources

Identify alternative sources of revenue

- 5 1. Fee to initiate a project
- 2. Entity standards
- 3. SA membership fee
- 4. Sponsor balloting fee (not for developers or WG members)

10

5.11 II Request to SA board to clarify recirc ballot rules (5.4.3.2 of Ops Manual) - Sherman 10 08:42 AM

Rules for Recirculation Ballots

Authors:

Matthew Sherman
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AT&T Labs - Research
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Stuart J. Kerry
Chair, IEEE 802.11
Philips Semiconductors, Inc.
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Date: March 9th, 2003

- Next three slides extracted from IEEE 802.11-03/130
 - Provided by John Kowalski, Sharp Labs

802.11 Operating Rules

- NO explicit requirement for recirculation ballot
- However, (Section 1) “The 802.11 WG operates under the Operating rules of IEEE Project 802, LAN/MAN Standards Committee ([ref. \[rules3\]](#)) and the hierarchy of rules under which IEEE Project 802 operates.”

Relevant text from 802 Operating Rules

“The Working Group Chair determines if and how negative votes in an otherwise affirmative letter ballot are to be resolved. Normally, the Working Group meets to resolve the negatives or assigns the task to a ballot resolution group. There is a recirculation requirement. For guidance on the recirculation process see Section 5.4.3.2 Resolution of comments, objections, and negative votes in the IEEE-SA Standards Board Operations Manual.”

And, from Section 5.4.3.2 in the IEEE-SA Standards Board Operations Manual...

(<http://standards.ieee.org/guides/opman/sect5.html#5.4>)

“Further resolution efforts, including additional recirculation ballots, may be required if additional negative votes (with new technical comments) result. However, once 75% approval has been achieved, the IEEE has an obligation to the majority to review and publish the standard quickly. Therefore, once 75% approval has been achieved, the IEEE requirements for consensus have been met. Efforts to resolve negative votes may continue for a brief period; however, should such resolution not be possible in a timely manner, the Sponsor should forward the submittal to RevCom.”

Problems with existing Recirc. Rules

- Not clear how to treat recirculated drafts based on recirc. results
 - Open for interpretation
- 802 Rules for WG recirculations reference Sponsor recirculation rules as “Guidance” only
 - Okay, but perhaps should be more than guidance
 - Or perhaps separate rules for WG recirc

Possible Interpretations

- Recirculation passes with higher Approval level than last ballot
 - Replace prior approved draft with new draft
- New recirculation higher than 75% but less approval than last ballot
 - Replace prior approved draft with new draft
 - Fall back to prior approved draft
 - Fall back only in draft sections where consensus was lost
- Recirculation falls below 75% approval
 - Fall back to last draft
 - Start from scratch

Possible courses of action

- Leave existing rules ambiguous
- Write 802 rules to clarify
 - Sponsor ballot
 - WG ballot
- Request SA to clarify rules

Straw Poll 1

- What does the SEC prefer to:
 - Leave existing rules ambiguous
 - Write 802 rules to clarify
 - Request SA to clarify rules
 - Abstain from question

Straw Poll 2

- When Sponsor Recirc. draft meets 75% approval requirement but has less approval than prior draft, what does SEC feel should be the most likely or required course of action:
 - Replace prior approved draft with new draft
 - Fall back to prior approved draft
 - Fall back only in draft sections where consensus was lost
 - Abstain from question

Straw Poll 3

- When WG Recirc. draft meets 75% approval requirement but has less approval than prior draft, what does SEC feel should be the most likely or required course of action:
 - Replace prior approved draft with new draft
 - Fall back to prior approved draft
 - Fall back only in draft sections where consensus was lost
 - Abstain from question

Straw Poll 4

- When Recirc. draft falls below the 75% approval requirement, what does the SEC feel should be the most likely or required course of action:
 - Fall back to prior approved draft
 - Run new ballot from scratch

Straw poll 1: What does the SEC prefer to do:

- 1. Leave things alone: 0
- 2. Write 802 rules to clarify: 5
- 5 3. Request SA to clarify: 3
- 4. Abstain: 6

Straw poll 2: When a sponsor recirculation draft meets 75% approval requirement but has less approval than a prior draft:

- 1. Replace prior draft
- 10 2. Fall back to prior approved draft
- 3. Fall back only in draft sections where consensus was lost
- 4. Abstain

This will be taken offline for further discussion. Wednesday 8-9am.

- 15 Judy Gorman: You can not arbitrarily go back to the prior draft.



IEEE

Recap of IEEE-SA Editions Policy

Jennifer Longman

Definition of “Edition”

- A document that cleans up accumulated material by rolling in amendments and corrigenda into the base.
- The document contains NO NEW technical material (no new work).

IEEE-SA Policy for Editions

- Editions may be created to assist working groups during standards development.
- They will be created on a case-by-case basis and on a slower pace. (As a second priority to publishing a new standard, amendment or corrigenda.)
- The source file of the consolidated document will be made available only to the Technical Editor and WG Chair.

IEEE-SA Policy for Editions

- Editions DO NOT supercede the standard, and therefore will not be included in the GET IEEE 802 program, however, the IEEE-SA may choose to offer the Edition for sale.
- An Edition may be sold as a draft until the working group reviews the entire document.
- The Editions are not new work, so awards are not issued.
- Chairs should discuss whether an Edition is appropriate with the Publishing Manager.

Tracking Projects

- Working Group Chairs are responsible for managing documents, and therefore they should track when a revision or reaffirmation is required.
- RevCom can deny approval of any additional amendments if the requirements are not met.
- Jennifer Longman needs to meet with each 802 Chair to help track the revision and/or reaffirmation schedules.

Thank You

5.12a II IEEE Interpretation process

- Grow

2

08:52 AM

Proposed change to the interpretation process before ProCom next week.

5.13 MI LMSC Meeting Fee Waivers

- Nikolich

2

08:54 AM

5

Meeting Fee Waivers

March 2002

- The following fees have been waived for the March 2002 meeting by the chair.
 - IEEE-SA Staff Participants
 - Jerry Walker, Susan Vogel, Jennifer Longman, Judy Gorman, Karen Rupp
 - Student partial waiver (\$100)
 - Gerald Nadeau from UNH (certified by B. Grow)

Tutorial Schedule

Monday	Tuesday
SA Overview 12-12:45pm	
Link Security: Bridging 6:30-7:30pm	802 Handoff CFI 6:00-7:30pm
Link Security: EPONs 7:30-8:30pm	Ultra Wide Band 7:30-9:00pm
Link Security: 802.10 8:30-9:30pm	Mesh Networks 9:00-10:30pm
	21

5.15	II		-		08:57 AM
5.16	II	Operating Rules update	-	M. Sherman	10 08:57 AM

Operating Rules Update

Author:

Matthew Sherman
2nd Vice Chair, IEEE 802
AT&T Labs - Research
mjsherman@att.com

Date: March 10th, 2003

- Met with Rules Subcommittee 3/9/03
 - Summary of outcome here

- Approved changes to be incorporated
 - TAG Rules Changes
 - Slipped through crack –(by 4/15/03)

- In process ballots (To be voted for approval Friday)
 - SEC Electronic Ballots (Matthew Sherman)
 - Minor changes to resolve open issues (R4 on 3/9/03)
 - Want new OPEN reflector for Ballot distribution
 - All LMSC members may subscribe to monitor ballots
 - Change title to Policies and Procedures (Matthew Sherman)
 - Minor changes to correct typos (R5 on 3/9/03)

- Forthcoming ballots (To be voted to Ballot Friday)
 - Appeals rules (Matthew Sherman)
 - Required by 5.1.1 of SA OM
 - Model after section 5.8 of SA OM
 - Review usage of terms “Executive Committee” and “SEC” (Matthew Sherman)
 - Editorial clarification
 - Minimum sponsor ballot / recirc durations (Bob Grow)
 - “Unpaid Attendees” rules (Bill Quackenbush)

- Note on Project Plan
 - Very poor result from last meeting
 - Still one outstanding input
 - Am considering rules changes to increase response
 - I don't want to do this
 - Will circulate on reflector tonight
 - Please provide inputs with your status reports at end of week

Project: IEEE P802.19 Coexistence TAG

Submission Title: March 2003 Plenary Meeting Status and Plans

Date Submitted: 10 March, 2003

Source: Jim Lansford, Company Mobilian Corporation

Address 7431 NW Evergreen Pkwy, Hillsboro, OR 97124

Voice:+1 405 377 6170, FAX: +1 425 671 6099, E-Mail: jim.lansford@mobilian.com

Re:

Abstract: Meeting document for Dallas plenary

Purpose: For discussion

Notice: This document has been prepared to assist the IEEE P802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release: The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.19.

802.19 Status/Plans for March Plenary

Jim Lansford, Interim Chair
802.19 Coexistence TAG
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Status

- Web site and reflector up
- Approx 60 attendees at interim meeting
- Charter and Operating Rules documents in third revision
 - Expect TAG to vote this week
- Guideline document drafted by Mat Sherman
 - Goes into TAG for completion
- Engaged with 802.15.3a process
- Engaged with 802.11n (HTSG) process
- Official liaison established with TIA TR-41
 - Scott Roleson of HP
- Discussion with 802.18 about coexistence issues at FCC

Plans for Dallas

- **Officer elections**
 - No quorum in Ft. Lauderdale
- **Vote on Charter and Operating Rules**
 - In third revision
- **Presentation in 802.15.3a**
 - Begin reviewing first 24 proposals
 - Joint session in Singapore to review
 - Presentation in 802.19 meeting from 802.15.3a
- **Presentation in 802.11n**
 - Review coexistence criteria from prior 802.19 presentations and 802.15.3a discussion
- **Begin work on Coexistence Guideline document (Mat Sherman's)**
- **Discussion of further upcoming work**
 - Appendix for 802.15.2 for 802.11g
 - TIA cordless phone coexistence
 - Spectrum etiquette
- **Sessions on Wednesday 1-3PM and 3:30-5:30PM**

Proposed agenda for meeting

		Item		Presenters	Duration	Start Time
	*	Call to order & Opening Remarks	-	Chair	5	01:00 PM
2	MI	Review and approval of agenda	-	Chair	5	01:05 PM
3	MI	Review and approval of minutes from Ft. Lauderdale	-	Chair	5	01:10 PM
4	DT	Summary of activities since January interim	-	Chair	20	01:15 PM
5	MI	Officer elections	-	Chair	20	01:35 PM
6	MI	Summary and vote on third Draft of 802.19 Charter	-	Chair	20	01:55 PM
7	MI	Summary and vote on third draft of 802.19 Operating Rules	-	Chair	25	02:15 PM
8	DT	Discussion of Coexistence Guide document	-	Lansford/Sherman	20	02:40 PM
9	II	Break	-		30	03:00 PM
10	DT	Coexistence Issues for UWB	-	John Santoff	20	03:30 PM
11	DT	802.15.3a Coexistence Review Discussion	-	Jim Lansford	20	03:50 PM
11	DT	High Throughput Coexistence Discussion	-	Jim Lansford	20	04:10 PM
11	DT	Next steps for 802.19	-	Chair	15	04:30 PM
11	II	Closing Remarks	-	Chair	5	04:45 PM
11	MI	Adjourn	-	Chair	0	04:50 PM

Tuesday 2-3pm for further discussion of the “coexistence call to arms”

5.18 II 802 Handoff CFI - Marks 2 09:12 AM
Roger Marks discussed the Handoff call for interest that is scheduled for Tuesday 6-7:30pm and specifically asked for participation from members of 802.1.

5

5.19 II 802 enews letter/PR - status update - Klerer 2 09:14 AM

Mark Klerer thanks those that contributed their input prior to the meeting. The bulletin has been posted on a private link that will be distributed by email to the chairs. Mark asks for final inputs by March 18. Mark thanks Roger Marks for providing him with excellent material with which to start.

10

5.20 II 802.18 Radio Regulatory TAG Status Update - Stevenson 5 09:16 AM
Carl reviewed the documents filed with the FCC, as approved via the email reflector.

802.18 RR-TAG Opening Report

- Report on January Interim Meeting
- Report on Feb. Teleconference Meeting
- Objectives for this Meeting
- Update on Significant Regulatory Issues

Report on January Interim Meeting

- **Held brief joint sessions WNG SC (Denis Kuwahara)**
- **Prepared and approved 2 regulatory filings for FCC**
 - 18-03-005r0-80218_Cmts_SPTF_Report.doc
 - Comments on FCC SPTF Report
 - Passed SEC review and was filed January 27, 2003
 - 18-03-006r0-80218_Cmts_ET-02-380.doc
 - Comments on FCC NOI on unlicensed spectrum
 - Opportunistic sharing of unused TV channels
 - Possible allocation of 3650-3700 MHz band for unlicensed
 - Passed SEC review, filing deadline April 7, 2003

Report on February Teleconference Meeting

- **Prepared and approved 2 regulatory filings for FCC**
 - 18-03-009r0_80218_Rep_Cmts_SPTF_Report.doc
 - Reply Comments on FCC SPTF Report
 - Passed SEC review and was filed February 28, 2003
 - 18-03-010r0_80218_Opp_Pet_RM-10641.doc
 - Opposition to a Petition for Rulemaking
 - Petition sought onerous point of sale recordkeeping on sales of a wide variety of radio equipment, including Part 15
 - Petition envisioned open access to information by local law enforcement, despite federal preemption of local regulation
 - Petition sought onerous labeling requirements
 - Passed SEC review and was filed February 27, 2003

Planned Objectives for This Meeting

- Prepare regulatory documents as time permits (will prioritize at 802.18 opening plenary)
- Hold joint meetings or briefings with other groups, if necessary
- Try to complete final draft of 802.18 operating rules for submission to SEC for review and approval at closing SEC meeting (*time permitting – much other work to do*)

Significant Pending Regulatory Issues (1)

- USG now supporting 5 GHz Allocation, FCC working on NPRM
 - Result of compromise on DFS threshold between industry participants and NTIA/DoD (part of ITU-R process on the DFS DNR)
 - USG changed its position to recent “CITEL” meeting “on-the-fly” and fully supported allocation of both 5150-5350 and 5470-5725 MHz
 - US position to WRC-03 will support allocation of both 5150-5350 and 5470-5725 MHz for “wireless access systems, including RLANs” (according to M.1450-1)
 - FCC appears to be intent in issuing NPRM before WRC-03
- FCC NOI on unlicensed spectrum (ET 02-380)
 - Unlicensed use of unused TV channels, 3650-3700 MHz
 - Comments prepared and approved, awaiting filing deadline

Significant Pending Regulatory Issues (2)

- Petition for Rulemaking by National Translator Assoc. (RM-10666)
 - Could compromise potential for sharing of unused TV frequencies contemplated in ET 02-380 by loading the band with more TV signals
 - Study Petition and consider preparing Opposition (or at least request delay until after ET 02-380 “plays out”)
- Possibility of additional unlicensed spectrum adjacent to 2.4 GHz?
 - FCC cancels some “Big LEO MSS” licenses, reclaims spectrum
 - R&O and NPRM in IB 01-185/IB 02-364 seeks comment on reallocation of reclaimed spectrum (at para. 272):

“Finally, we seek comment on the possibility of re-allocating any returned Big LEO spectrum. Under the plan adopted in this Order, spectrum in the 2483.5-2492.5 MHz and 2498-2500 MHz bands could be available for other uses. For instance, we seek comment on allowing unlicensed devices to operate in any returned spectrum.”
 - Is the potentially available spectrum useful?
 - Would adding 2483.5-2492.5 allow use of 4 channels in the US?

Significant Pending Regulatory Issues (3)

- Allen-Boxer (Senate) and Honda (House) Unlicensed Spectrum Bills
 - Letters of support? (or at least at “Thank you for your help” letters)
 - Assistance in obtaining co-sponsors?
 - WFA Legislative Committee active in this area, but 802 support could help
- Potential expanded Amateur threat to 2.4 GHz band
 - ARRL is promoting use of 802.11b equipment under Part 97 on channels 2-5 with up to 100W TX power and antenna gains of 14-15 dBi (omni) - higher gain directional antennas are obviously feasible
 - ARRL Board approved motion authorizing request to FCC to change Part 97 SS TPC threshold from 1W to 10W (this limit is already easy to avoid)
 - As of latest info, ARRL has not yet filed anything with FCC (monitoring situation)
 - FCC OET has been advised of this development
 - Need to determine our response strategy

Significant Pending Regulatory Issues (4)

- FCC Meeting, Thursday, March 13 at 0930 EST
 - Will consider NOI on receiver standards as part of spectrum policy
 - Will consider changes in MMDS and ITFS rules (.16 interest?)
 - 802.18 will monitor and report

- 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”
 - 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 sessions counts towards maintaining your voting rights in your (one) “home WG”

5.21 II 802.3aj maintenance PAR update - Grow 2 09:21 AM

Bob Grow indicated that he was asked to change the PAR to a revision and amendment.

5.22 II 802.3ak 10GBASE-CX4 PAR update - Grow 2 09:23 AM

New work for adding copper interface for 10G Ethernet.

5.23 II 802.11 maintenance PAR update - Kerry 2 09:25 AM

Stuart Kerry summarized the maintenance aims of the PAR.

5.24 II 802.11n High Throughput PAR update - Kerry 2 09:27 AM

The WG letter ballot on this PAR did not pass. The issue was backward compatibility. If this is not resolved in the WG this week, it will be removed from the Nescom agenda.

5.25 II 1802.16.3 10-66 GHZ Conformance Tests PAR update - Marks 2 09:29 AM

Roger Marks called attention to the PAR that was circulated 30 days in advance of this meeting.

5.26 MI Confirmation of Carl Eklund as Vice Chair of 802.16 - Marks 2 09:31 AM

Motion: Tom confirm Carl Eklund as vice chair of the 802.16 working group through the end of the March 2003 802 Plenary.

Moved: Marks/Kerry

Passes: 13/0/0

5.27 ME Endorsement of External Candidate for IEEE Fellow - Marks 10 09:33 AM

TO ENDORSERS:

Your name has been submitted as an endorser for the IEEE Fellow grade nomination of the individual whose name appears on the reverse side of this form. For your information, the IEEE Bylaw requirements for Fellow grade are described below.

Who is Ineligible to Serve as an Endorser for an IEEE Fellow Candidate?

No member of the Board of Directors, the Fellow Committee, the IEEE Technical Society/Council Evaluation Committee reviewing the nomination, or IEEE staff. In addition, a nominator may not serve as an endorser for a nomination he/she is submitting.

Who is Eligible to Serve as an Endorser for an IEEE Fellow Candidate?

Any person, including non-members, maybe an Endorser.

Instructions for Preparing the Endorsement Form.

In some cases, the significance of a candidate's contributions and/or achievements may be best understood and evaluated by a recognized individual outside the electrical and electronics engineering profession, and thus not likely to be an IEEE Fellow. Although an endorsement of a candidate is optional, the submission of such material will contribute to the evaluation process and should not be overlooked. An endorsement will strengthen a nomination if it contains information on specific contributions that, in the opinion of the endorser, qualify the candidate for IEEE Fellow grade. All endorsements must be submitted on an IEEE Endorsement Form. This form can be downloaded from the IEEE Fellow Web site at the following URL: <http://www.ieee.org/fellows>.

An IEEE Section, Chapter, Committee, or Board to which the candidate has contributed time and talents, may endorse the nomination through its executive body. A non-IEEE organization or individual may also provide an endorsement.

If you are willing to serve as an endorser, please supply the information requested and return it to the Fellow Committee at IEEE, 445 Hoes Lane, Piscataway, New Jersey, USA, 08854, 732.981.0060 on or before **15 March**.

SUMMARY OF IEEE BYLAW REQUIREMENTS FOR FELLOW GRADE

The grade of Fellow recognizes unusual distinction in the profession and shall be conferred only by invitation of the Board of Directors upon a person of outstanding and extraordinary record of accomplishments in any of the IEEE fields of interest. The accomplishments that are being honored should contribute importantly to the advancement of engineering science and technology.

IEEE, FELLOW COMMITTEE
445 HOES LANE, PISCATAWAY, New Jersey, USA, 08854 PHONE: 732.981.0060

Telephone #

Fax#

Email

Moved: To approve the endorsement letter of Michael Marcus for IEEE Fellow.

Moved: Marks/Stevenson

Passes: 11/1/1

5

5.28 II Update on 802.20 WG, including Naming

- Klerer

5

09:43 AM

Session No. 1 of IEEE 802.20

Mobile Broadband Wireless Access

10 – 13, March 2003
Dallas, TX, USA

Mark Klerer

Interim Chair – IEEE 802.20

smklerer@ieee.org

March 10, 2003

Meeting Objectives

- Presentation on:
 - Channel models for MBWA
 - Data Traffic Models for MBWA
 - Networking considerations for MBWA including Handoff
 - Evaluation criteria for MBWA systems
 - Initial contributions on basic elements of MBWA systems
- Agreement on working group name
- Working Group Officer Elections

Membership and Voting

- 802.20 has 8 meetings during this weeks session. Anyone attending 6 meetings during the week will have voting rights.
- No votes will be taken until Thursday evening.
- Anyone who has attended at least 5 sessions prior to Thursday evening will be entitled to vote Thursday evening
- Officer elections will be held Thursday evening. Initial nominations Wednesday afternoon

Logistics

- Mirror website at <http://neptune/mbwa/>
- Manual attendance logs are primary in determining meeting participation
- Electronic entries on Pluto will used to start building the membership database.

5.29 II refund policy - Quackenbush 2 09:48 AM

5 Bill discussed the evolution of the refund process. Previously refunds were made to anyone that did not attend the meeting, without requiring the person to request the refund. The process is changing to require that the person must request a refund by 6pm PST of the Monday after the close of the plenary session.

5.30 MI Approval of SOW & RFP for meeting services - Quackenbush 15 09:50 AM

10 The material from Face to Face has been delivered to Buzz about a month ago. Buzz indicated that a full review will be conducted this week. HE believes that the bidding process can begin after this meeting.

5.31 II Database status - Rigsbee 5 10:05 AM

Fine tuning to be done this week. March 20 will begin the 1-year maintenance period of the contract. Progress payment will be made.

5.32 II Meeting Network Services update - Heile 2 10:10 AM

15 Bob mentioned that Ideal Communications is developing software for attendance and voting. They also provided significant support when the main server was not delivered. Ideal provided their own laptops to fill the gap. There will be a meeting at 6pm Thursday to discuss network services.

5.33 II - 10:12 AM

20

5.34 II IEEE patent policy - change to 802 procedures? - Jeffrey 10 10:12 AM

25 Tony Jeffrey summarized his suggestions made by email about change to procedure to increase the awareness of the IEEE patent policy by those attending the 802 meetings. He asked whether there is support for a procedural change proposal to change how we communicate the policy.

Geoff Thompson indicated that there was a recent court decision that provides significant incentive for SDOs to ensure their policy is communicated properly.

5.35 II - 10:22 AM

30

5.36 II Computer Society SAB update - Nikolich 2 10:22 AM

Computer Society SAB

- Funding Question

IEEE-USA CCIP

**Committee on Communications
and Information Policy**

<http://www.ieeeusa.org/committees/CCIP/>

2003 Planned Activities

March 2003

CCIP Mission Statement

- **The Committee on Communications and Information Policy (CCIP) promotes formulation of sound legislation, regulation and policies relating to communications, computer and information technology development. Committee members have focused on such issues as spectrum efficiency, high-performance computing, digital high-resolution systems, personal communications systems, the national information infrastructure, and privacy and security of the infrastructure. CCIP is part of the Technology Policy Activities of IEEE-United States of America (IEEE-USA).**

2003 Projects

- **Secure Information Systems - Luke Maki**
- **Universal Access – Michael Bloom**
- **Broadband Deployment - Alan McAdams**
- **Mandatory Copy Controls - Jean Camp & Stan Klein**
- **Nanotechnology - Tom Pearsall**
- **Spectrum Utilization and Digital Television - Judy Boggess (workshop under consideration)**
- **Standards and Interoperability - Stan Klein**
- **Internet Taxation - Jim Isaak**
- **Wireless: Cellular and PCS - Amir Zaghloul and Ferdo Ivanek**

Other

- **Continued efforts:**
 - Privacy On-Line
 - Secure Information Technology
- **Conference on Secure IT planned for May 20 in Gaithersburg**
- **Review of policy statement on SPAM**
- **Discussion of additional projects**
 - Digital Rights Management
 - Open Source Format – Stan Klein
 - Voting Standards – Jim Carlo
 - Privacy on Line – Jean Camp
 - SPAM - Peter Soltesz

Roger asked if there is a call for comments made when position statements are in development.
Jim Carlo indicated that all draft position statements are open to anyone.

5.38 II Exhibits at meetings policy review

- Nikolich

2

10:29 AM

Exhibits at meetings

- IEEE Policy and Procedures Manual
 - 10.2.23 - EXHIBITORS AT MEETINGS
 - Exhibits of vendor products, distribution of literature, sales presentations, and similar activities are discouraged at standards meetings as they detract from and compete with the normal standards development process. **Any exceptions are to be discussed by the relevant committee leadership and approved only with a clear understanding of the operational criteria and potential consequences of such a function.**

5.39	II		-		10:31 AM
5.40	DT	SEC meeting schedule (rules, SA, etc.)	-	Nikolich	5 10:31 AM

SEC Chair's Meetings

TIME	Purpose	Who	Location
MON			
4:00			
TUES			
9:00-10:00			
11:00			
2:00-3:00	Coexistence	Jim Lansfor	
3:00			
4:00			
WED			
8:00-9:00	Recirculation Rules Clarification	Mat Sherman	
9:00-10:00			
10:00-11:00	Get IEEE 802 Budget	Jerry W	
1:00-2:00	802 Task Force (draft conformance, position statements)	Paul N.	
4:00			
THU			
8:00			
10:00			
12:00			
2:00			
6:00-7:00	Network Services discussion	Bob Heile	

Motion: to adjourn
Moved: Jeffree/Rigsbee
Passes: 13/0/0

5

The meeting was adjourned at 10:26am

Monday, March 10, 2003 Opening 802 Plenary Meeting

Called to order at 11:00am by Paul Nikolich

5

IEEE802 Monday Plenary Agenda

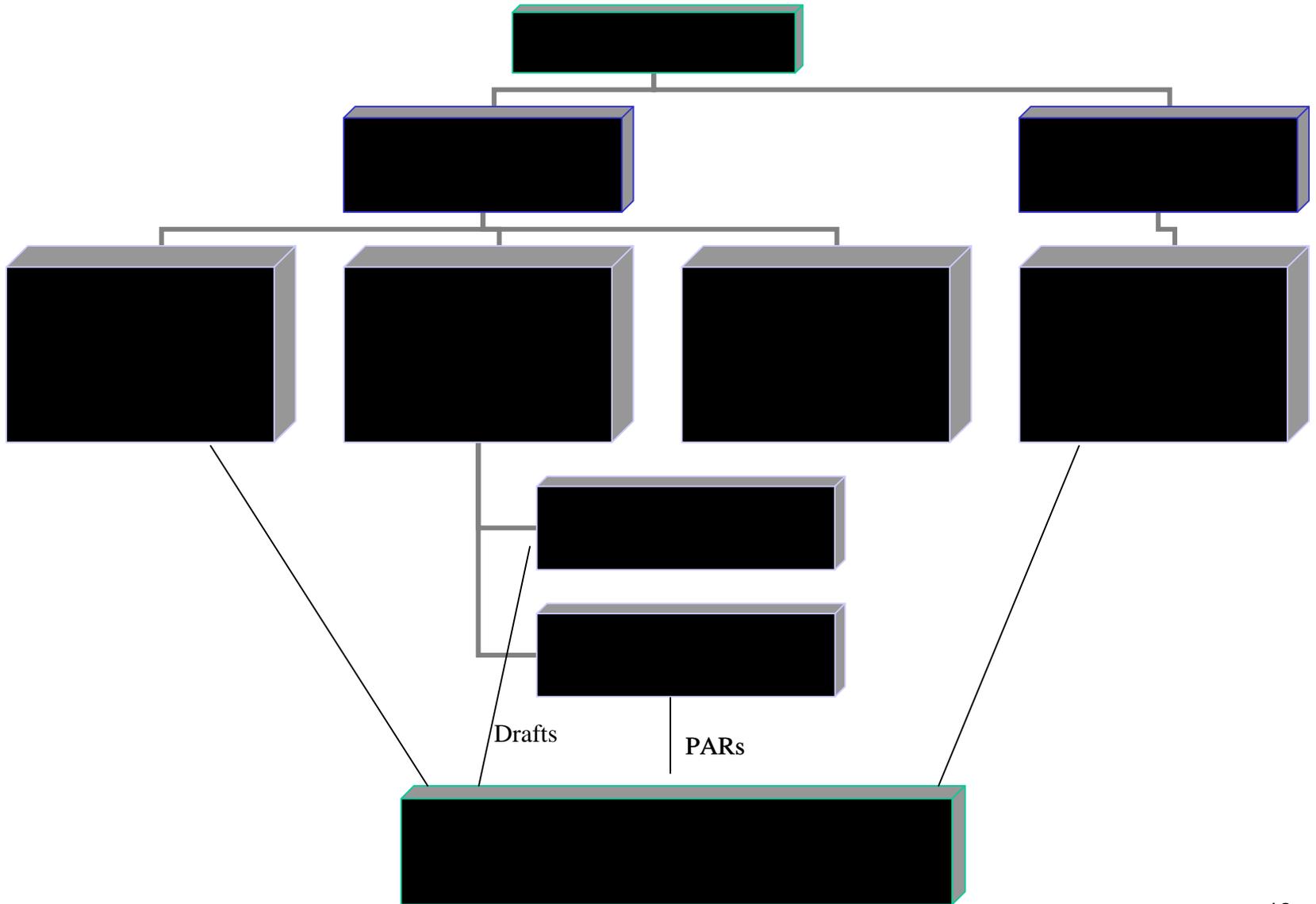
- 11:00 Welcome Nikolich
- 11:02 Patent Policy and Membership Rules Thompson
- 11:04 IEEE 802 Operating Rules changes Sherman
- 11:06 Treasurer's Report Quackenbush

- 11:10 802.1 Architecture & Interworking Jeffree
- 11:15 Security ECSG Sala
- 11:20 802.3 CSMA/CD (Ethernet) Grow
- 11:25 802.11 WLAN (Wireless Local Area Network) Kerry
- 11:30 802.15 WPAN (Wireless Personal Area Network) Heile
- 11:35 802.16 BWA (Broadband Wireless Access) Marks
- 11:40 802.17 RPR (Resilient Packet Ring) Takefman
- 11:45 802.18 Radio Regulatory TAG Stevenson
- 11:50 802.19 Coexistence TAG Lansford
- 11:55 802.20 Mobile BWA Klerer

- 12:00 Tutorials Nikolich
- 12:01 Meeting Arrangements Rigsbee
- 12:02 ADJOURN

Welcome to Dallas

- Lots of work!



IEEE 802 ORGANIZATION

SPONSOR EXECUTIVE COMMITTEE (SEC)

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

**802.15
WPAN**
Bob Heile

**802.16
BWA**
Roger Marks

**802.17
ResPackRing**
Mike Takefman

**802.18 TAG
Radio Regulatory**
Carl Stevenson

**802.19 TAG
Coexistence**
Jim Lansford

**802.20
MBWA**
Mark Klerer

**ECSSG
Security**
Dolors Sala

TREASURER
Bill
Quackenbush

APPOINTED OFFICERS

1st VICE CHAIR
Geoff Thompson

2nd VICE CHAIR
Mat Sherman

EXECUTIVE SECY
Buzz Rigsbee

RECORDING SECY
Bob O'Hara

HIBERNATION

802.2 LLC (Dave Carlson)

802.5 Token Ring (Bob Love)

802.4 Token Bus (Paul Eastman)

802.6 DQDB (Jim Mollenauer)

802.7 Broadband TAG (P Nikolich)

802.9 ISLAN (D. Vaman)

802.10 Security (Ken Alonge)

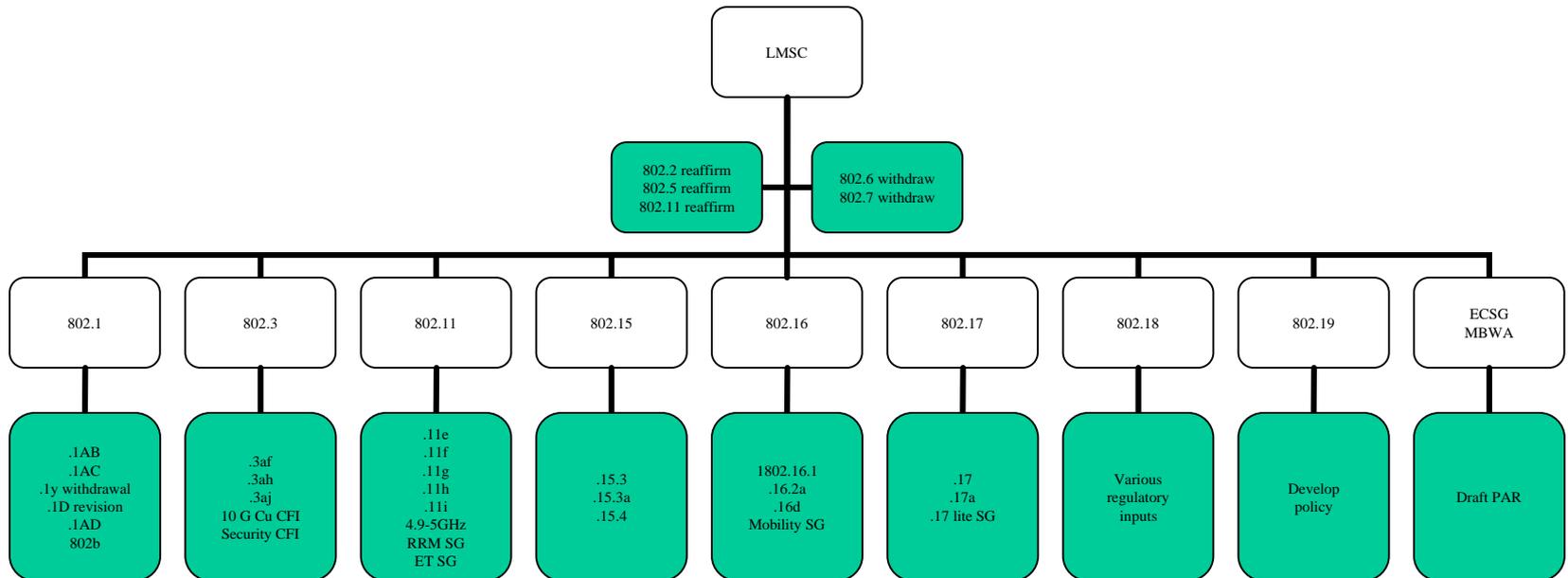
802.12 Demand Priority (Pat Thaler)

DISBANDED

802.8 Fiber Optic TAG (C. Benson)

802.14 CATV (Robert Russell)

>35 projects and activities



Patent Policy

(from Jan 2002 SA Bylaws)

6. Patents

IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard. This assurance shall be provided without coercion and prior to approval of the standard (or reaffirmation when a patent 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 the proposed IEEE standard against any person or entity using the patent(s) to comply with the standard or

b) A statement that a license 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.

IEEE 802 Membership

5.1.3 Membership

All persons participating in the initial meeting of the Working Group become voting members of the Working Group. Thereafter, voting membership in a Working Group is established by participating in the meetings of the Working Group at two out of the last four Plenary sessions, and (optionally) a letter of intent to the Chair of the Working Group. Membership starts at the third Plenary session. One duly constituted interim Working Group or task group meeting may be substituted for the Working Group meetings at one of the two Plenary sessions (See 5.1.3.5 Meetings and Participation).

Members of the Working Group who have not achieved voting status are known as observers. Liaison members are those designated individuals who provide liaison with other working groups or standards bodies.

Geoff Thompson read the entire section on patent policy to those present.

Rules changes (Mat Sherman)

Mat recapped the concluded and ongoing rules change ballots.

5

New rules changes to expect to begin on Friday

Set of Appeals rules

Clarification of nomenclature (SEC, executive committee)

Minimum ballot periods

10

Unpaid attendees

Pending Rules Changes

- TAG Rules Changes
- Working Group Electronic Balloting
- Quorum/membership gain & loss

IEEE Project 802
Statement of Operations
November, 2002 Plenary Meeting
Koloa, Kauai, Hawaii
As of February 28, 2003

Meeting Income	Actual	Budget
Net Registrations	871	800
591 Registrations @ \$250	147,750	
280 Registrations @ \$300	84,000	
9 Cancellation @ \$50	450	
0 Cancellations @ \$150	0	
0 Other @	0	
Registration Subtotal	232,200	208,000
0 Deadbeat Payment @ \$300	0	0
Interest	105	150
Other	0	375
TOTAL Meeting Income	232,305	208,525
Meeting Expenses	Actual	Budget
Audio Visual Rentals	9,942	10,000
Audit	0	0
Bank Charges	239	230
Copying	371	6,000
Credit Card Discounts & Fees	6,158	5,824
Equipment Expenses	601	5,000
Get IEEE 802 Contribution	65,100	60,000
Insurance	(220)	0
Meeting Administration	50,656	49,680
Misc Expenses	2,260	2,000
Networking	9,328	10,000
Phone & Electrical	1,712	2,000
Refreshments	58,402	60,000
Shipping	10,311	3,000
Social	52,411	41,000
Supplies	168	400
TOTAL Meeting Expense	267,438	255,134
NET Meeting Income/Expense	(35,133)	(46,609)
Reserve for uninvoiced expenses	3,000	
Expenses from prior meetings	0	
Reserve for outstanding commitments	7,000	
Expenses prepaid for current meeting	9,200	
March 2003 Operating Reserve	151,649	
Worst Case Hotel Cancellation Penalties	128,633	

**IEEE Project 802
Statement of Operations
802.1/802.3 January, 2003 Interim Meetings
Vancouver, BC, Canada
As of February 28, 2003**

Meeting Income	Actual	Budget
Net Registrations	276	220
190 Registrations @ \$275	52,250	
86 Registrations @ \$325	27,950	
5 Cancellation @ \$50	250	
0 Cancellations @ \$150	0	
0 Other @	0	
Registration Subtotal	80,450	61,600
0 Deadbeat Payment @ \$300	0	0
Interest	0	0
Other	1,386	0
TOTAL Meeting Income	81,836	61,600
Meeting Expenses	Actual	Budget
Audio Visual Rentals	2,083	5000
Audit	0	
Bank Charges	30	30
Copying	77	110
Credit Card Discounts & Fees	1,664	1848
Equipment Expenses	0	0
Get IEEE 802 Contribution	0	0
Insurance	0	0
Meeting Administration	18,813	15932
Misc Expenses	0	550
Networking	1,699	2000
Phone & Electrical	283	1000
Refreshments	39,296	31469.9
Shipping	773	1500
Social	0	0
Supplies	235	275
TOTAL Meeting Expense	64,952	59,715
NET Meeting Income/Expense	16,884	1,885

LMSC Budget

	2002				2003				2003
	St. Louis <i>Actual</i>	Vancouver <i>Actual</i>	Kauai <i>Actual</i>		Vancouver <i>Budget</i>	Dallas (DFW) <i>Budget</i>	San Francisco <i>Budget</i>	Albuquerque <i>Budget</i>	
Meeting Income:	<i>March</i>	<i>July</i>	<i>Nov</i>	2002	<i>January .1/.3 Interims</i>	<i>March</i>	<i>July</i>	<i>Nov</i>	
Registrations	972	952	871		240	900	950	875	
Preregistration fee	250	250	250		275	300	300	300	
On-site registration fee	300	300	300		325	350	350	350	
Average Fee	264	274	267		280	313	313	313	
Subtotal	257,000	260,725	232,200	749,925	67,200	281,250	296,875	273,438	851,563
Bank Interest	149	148	105	403	0	150	150	150	450
Other	300	765	0	1,065	0	0	0	0	0
TOTAL Income	257,449	261,638	232,305	751,393	67,200	281,400	297,025	273,588	852,013
Meeting Expenses:	<i>March</i>	<i>July</i>	<i>Nov</i>	2002	<i>January</i>	<i>March</i>	<i>July</i>	<i>Nov</i>	2003
Audio Visual Rentals	10,508	10,991	9,942	31,441	5,000	10,000	10,000	10,000	30,000
Audit	5,454	0	0	5,454	0	4,508			4,508
Bank Charges	162	245	239	646	30	230	230	230	690
Copying	4,194	845	371	5,409	120	5,500	5,500	5,500	16,500
Credit Card Discounts	6,703	6,925	6,158	19,786	1,882	7,875	8,313	7,656	23,844
Equipment Purchase/Repair	0	5,174	601	5,776	0	7,000	7,000	7,000	21,000
IPF/Escrow/Free 802 Stds	72,900	71,400	65,100	209,400	0	67,500	71,250	65,625	204,375
Insurance	1,944	770	(220)	2,494	0	3,000	0	0	3,000
Meeting Planners	54,670	53,636	50,656	158,962	16,744	51,775	63,213	59,406	174,394
Misc Expenses	207	3,717	2,260	6,184	600	500	500	2,000	3,000
Network	7,478	4,114	9,328	20,920	2,000	25,000	25,000	25,000	75,000
Phone & Electrical	1,110	603	1,712	3,425	1,000	2,100	2,100	2,100	6,300
Refreshments	62,566	35,928	58,402	156,896	36,019	67,500	71,250	61,250	200,000
Shipping	1,966	2,485	10,311	14,761	1,500	3,000	2,000	3,700	8,700
Social	30,288	23,220	52,411	105,919	0	27,000	28,500	26,250	81,750
Supplies	17	643	168	827	300	168	168	168	503
TOTAL Meeting Expense	260,165	220,696	267,438	748,300	65,195	282,656	295,023	275,885	853,564
NET to Operating Reserve	(2,716)	40,942	(35,133)	3,094	2,005	(1,256)	2,002	(2,298)	(1,552)
Opening Reserve	152,741	150,025	190,967		155,834	155,834	154,578	156,580	
Projected Closing Reserve	150,025	190,967	155,834		157,839	154,578	156,580	154,283	
Projected Closing Cash	148,025	188,967	153,834			152,578	154,580	152,283	
Meeting Contracts Liability					17,433	111,200	107,400	45,150	

802[®] Working Group Award Recipients

- IEEE 802.1s[™]-2002
 - Tony Jeffree
 - Michael Seaman
 - Norman Finn

802[®] Working Group Award Recipients

- IEEE 802.16c[™]-2002
 - Roger B. Marks
 - Ken Stanwood
 - Carl Eklund

802[®] Working Group Award Recipients

- IEEE Std 802.3ae[™]-2002
 - Jeffrey Warren
- IEEE Std 802.11a[™]-1999
 - Stuart Kerry
- IEEE Std 802.11b[™]-1999
 - Stuart Kerry

802[®] Working Group Award Recipients

- IEEE Std 802.11b[™]-1999/
Corrigendum 1-2001
 - Stuart Kerry
- IEEE Std 802.11d[™]-2001
 - Stuart Kerry

IEEE P802 Link Security Executive Committee Study Group

Status Report

Dallas, March 10-12, 2003

January Meeting Summary

- **Lengthy discussions on Requirements, PAR and 5 criteria, scenarios, and placement of the project.**
- **SG agreed to recommend placing the project in 802.1**
 - In favor: 26; Against: 0; Abstain: 12
- **Agreed on a work plan**
 - Decide the scenarios
 - Analyze the architecture and partition the problem
 - Define PAR(s)
 - Have 3 tutorials in March on major related areas: EPON, Bridging, Security

SEC Email Ballot

- **SEC motion to ratify SG's recommendation:**

(Email ballot from February 11 2PM EST to February 21 2PM EST)

– MOTION: "The SEC resolves that the Link Security Study Group will become a study group of the 802.1 HiLi working group, effective from the start of the March 802 Plenary meeting."

MOVER: Tony Jeffree

SECOND: Bob Grow

Motion Failed. Disapprove: 6; Approve: 5; Abstain: 0; Did Not Vote: 3
(See discussion at: <http://www.ieee802.org/secmail>)

Reasons:

- Decision needs to be made in the Plenary meeting
- An email from Ken Alonge (Chair 802.10) suggesting placing the project in 802.10 (<http://www.ieee802.org/secmail/msg03244.html>)

Meeting Objectives

- **Hear Presentations and Tutorials**
- **Agree on initial set of scenarios and objectives**
- **Discuss requirements, threat models and architecture models**
- **Discuss PAR definition**
 - One or more than one PAR
 - Project(s) definition: Scope and Purpose
- **Next meeting goals**

802.1 – Activities & status

Tony Jeffree, 802.1 WG Chair

10th January 2002

Areas of work

- 802 Architecture
- Interworking between 802 technologies
 - “Technical Plenary” if needed
- MAC Bridging
 - “traditional” bridging
 - VLAN bridging
- LAN management
- Website: <http://www.ieee802.org/1/>

Status of current projects - (1)

- 802.1s - Multiple Spanning Tree support in VLANs
 - Now an approved IEEE Standard
 - Along with 802.1u, 802.1v, is currently being incorporated into a 2003 Edition of 802.1Q

Status of current projects - (2)

- P802.1d – Revision of 802.1D (formerly P802.1y)
 - Working Group ballot completed
 - Ballot comments to be reviewed
- P802.1z – Maintenance items for 802.1Q (including v)
 - Nothing so far identified
- P802.1aa – Maintenance items for 802.1X
 - Most of the WG ballot comments now addressed
 - Some changes to the state machines needed for compatibility with 802.11 use

Status of current projects - (3)

- P802a “Playpen Ethertypes”
 - Currently in Sponsor ballot recirculation
 - Will request conditional approval to forward to RevCom on completion
- Llink layer discovery (P802.1AB)
 - First Task Group ballot completed; comments to resolve
- 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 - (4)

- P802.1ad Provider Bridges:
 - PAR approved
- P802b registration procedures related to the use of OID arcs in 802:
 - PAR approved; initial draft will be balloted in March/April timeframe

IEEE 802.3 Working Group CSMA/CD (Ethernet) 10 March 2003

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

P802.3af DTE Power via the MDI

- Deliver DC power over the Ethernet cable (802.11 access points, Ethernet phones)
- Currently in Sponsor Ballot
 - D4.1 Sponsor recirculation ballot prior to meeting
 - Resolve ballot comments and revise draft
- Working toward June Standards Board

P802.3ah Ethernet in the First Mile

- Extend Ethernets capabilities for the access market.
 - 100Mb/s and 1000Mb/s point-to-point fiber
 - Local loop copper
 - Ethernet Passive Optical Network
 - Operations Administration and Maintenance
- Currently in Task Force review
 - D1.3 formal TF review prior to meeting
 - Resolve comments for new draft

P802.3aj Maintenance #7

- Implement changes to Std 802.3 from 802.3 change requests
- Currently in Working Group ballot
 - D2.1 WG recirculation ballot prior to meeting
 - Process comments and prepare for Sponsor Ballot

10GBASE-T Study Group

- 10 GbE PHY for operation over twisted pair copper cable
- SG formed in November
- Meeting plan
 - Technical proposals
 - Work on objectives, PAR and 5 Criteria

10GBASE-CX4 Study Group

- Extend XAUI interface to become a 10 GbE PHY for operation over twinax cable
- PAR submitted for consideration this week
- Targeting WG ballot upon PAR approval

Other Activities

- Interpretations of 802.3 and 802.3ae
 - 6 Interpretation requests requiring response
- Liaison Reports

IEEE 802.3 Standards

- IEEE Std 802.3-2002 (8 Mar 2002)
- IEEE Std 802.3ae-2002 (30 Aug 2002)
- IEEE Std 1802.3Rev-2001
- All available from Get IEEE 802
<http://standards.ieee.org/getieee802/802.3.html>

802.3 Officers

- 802.3 Chair: Bob Grow
(bob.grow@ieee.org)
- 802.3 Vice Chair: David Law
(david_law@3com.com)
- 802.3af DTE Power, 802.3 Secretary:
Steve Carlson (scarlson@esta.org)
- 802.3ah EFM: Howard Frazier
(millardo@dominetsystems.com)

This Week's Meetings

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

Bob notes that it is suspected that the soap dispenser in the rest rooms of this hotel is monitored by a sensor powered via 802.3af.

78th Session of the IEEE 802.11 WG

Wireless Local Area Networks

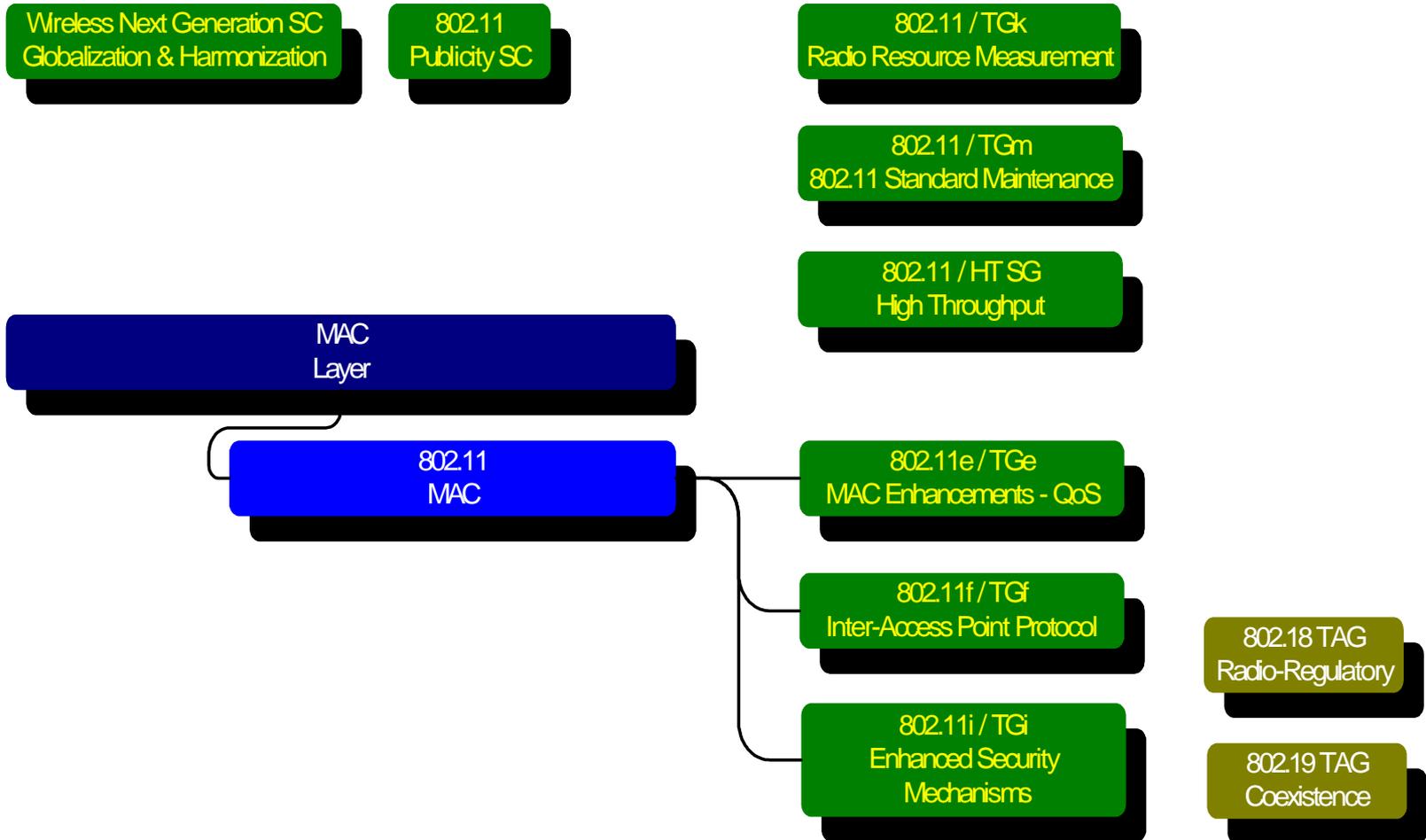
March 9th-14th, 2003, DFW, Dallas, TX, USA



www.ieee802.org/11

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

802.11 Activities MAC & Others



802.11 Functional Organization Chart



Archive, Mailing Lists, URLs

- Web Page: <http://www.ieee802.org/11/>
- Technical Reflector: stds-802-11@ieee.org
- General Mailing List: stds-802-11-m@ieee.org
- Joint 802.11/15 List: stds-802-11-jt11-15@ieee.org
- CAC List: stds-802-11-cac@ieee.org
- Voter/Nearly List: stds-802-11-voters@ieee.org

Lists restricted to those on the list to reduce SPAM. To send to the list you must use the exact email address on the list as the 'from' address. Alias addresses such as ieee.org will not work.

To add your name to IEEE mailing lists please send an e-mail to apetrick@icefyre.com

PLENARY		78TH IEEE 802.11 WIRELESS LOCAL AREA NETWORKS SESSION													
R3		Hyatt Regency DFW, International Parkway, P.O.Box 619014, DFW Airport, TX 75261, USA.													
		March 9th-14th, 2003													
		The graphic below describes the session of the IEEE P802.11 WG in graphic format.													
		SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY								
07:00-08:00						802.11 WG CHAIRs ADVISORY COMMITTEE									
08:00-10:00		802 SEC MEETING	TGH TGE HT SG TGK	TGH TGE TGG 11 / 15 PSC	TGK WNG SC TGI TGG	TGE TGI TGJ TGG	802.11 WG CLOSING PLENARY								
10:00-10:15			Break	Break	Break	Break	Break								
10:15-10:30															
10:30-12:00		802 PLENARY	TGH TGE TGG	11 / 15 PSC	802.11 WG MID-SESSION PLENARY	TGE TGI TGJ TGG	802.11 WG CLOSING PLENARY (Con't)								
12:00-13:00		Lunch	Lunch	Lunch	Lunch	Lunch	12:00 pm Hard Stop Time								
13:00-14:15		802.11 / 15 / 18 / 19 JOINT OPENING MEETING	TGH TGI TGG TGF	TGH TGF TGE TGG	TGE TGI TGJ TGK		802 SEC MEETING								
14:15-14:30		Break													
14:30-15:00		802.11 WG OPENING PLENARY													
15:00-15:15	802.11/15/18/19/20 LEADERSHIP MEETING	Break													
15:15-15:30		Break													
15:30-16:30		TGH TGE TGG TGI	TGH TGI TGG TGF	TGH TGF TGE TGG	TGE TGI HTSG TGK										
16:30-17:30	NEW MEMBERS ORIENTATION														
17:30-19:00	Break	Dinner	Dinner	Break	Dinner										
19:00-21:30	802.11 WG CHAIRs ADVISORY COMMITTEE (CAC)	TGH TGE TGG WNG SC	TGH TGI HT SG TGM	Social Evening	TGE TGI HT SG TGF			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 / ETSI BRAN and MMAC study groups administrative issues & co-ordination**
- **CAC Co-ordination with WG Chair**
- **IEEE 802.11-1999 Reaffirmation 2003 Update**

TASK GROUP E OBJECTIVES FOR THIS SESSION

802.11 - MAC Enhancements - QoS

CHAIR - JOHN FAKETSELIS / VICE-CHAR - DUNCAN KITCHIN

- **To resolve LB#51 comments, generate a new version of the draft and work towards submitting a recirculation Ballot**

TASK GROUP F OBJECTIVES FOR THIS SESSION

802.11 - Inter-Access Point Protocol

CHAIR - DAVE BAGBY

- **Review & process responses to Sponsor Ballot Recirculation 2**
- **Prepare revised draft**
- **Proceed to next stage (depends on Ballot result, unknown at time of agenda creation) of SB process**

TASK GROUP G OBJECTIVES FOR THIS SESSION

802.11 - 802.11b Data Rates >20 Mbit/s

CHAIR - MATTHEW SHOEMAKE / VICE-CHAIR - JOHN TERRY

- Resolve sponsor ballot comments
- Update to Draft 7.0
- Request Sponsor Recirculation Ballot on Draft 7.0

TASK GROUP H OBJECTIVES FOR THIS SESSION

802.11 - Spectrum Managed 802.11a

CHAIR - MIKA KASSLIN

- Review and process responses to Sponsor Ballot
- Prepare revised draft
- Update on progress in related matters

TASK GROUP I OBJECTIVES FOR THIS SESSION

802.11 - Enhanced Security Mechanisms

CHAIR - DAVE HALASZ

- Review and address comments from letter ballot 52

TASK GROUP J OBJECTIVES FOR THIS SESSION

802.11 - 4.9 - 5 GHz Operation in Japan

CHAIR - SHEUNG LI

- Review Japanese Regulatory and Standards Activities
- Review Proposed Draft Japan 4.9 - 5 GHz Specification
- Review Technical Presentations
- Update and Approve Draft Specification
- Decide Whether or Not to Forward to Letter Ballot

TASK GROUP K OBJECTIVES FOR THIS SESSION

802.11 - Radio Resource Measurements

CHAIR - RICHARD PAINE

- Draft RRM Vision and Architecture Document
- Final RRM Issues Document
- Technical Presentations

TASK GROUP M OBJECTIVES FOR THIS SESSION

802.11 - Standard Maintenance

CHAIR - BOB O'HARA

- Review scope and purpose from PAR to guide our work
- Review any interpretation requests that have been received
- Solicit further interpretation requests
- Plan work schedule to address interpretation requests

PUBLICITY STANDING COMMITTEE OBJECTIVES FOR THIS SESSION

802.11 - Publicity

CHAIR - BRIAN MATHEWS

[AL PETRICK FILLING IN FOR BRIAN MATHEWS]

- Reports from Wi-Fi Alliance & WiMedia Alliance
- Review text for 802News website update
- Preparation for May'03 Singapore IEEE 802 Wireless meeting

WNG STANDING COMMITTEE OBJECTIVES FOR THIS SESSION

802.11 - Wireless LANs Next Generation

CHAIR - TEIK-KHEONG "TK" TAN / VICE-CHAIR - BRUCE KRAEMER

- Updates from ETSI/BRAN, MMAC, 802.18 and IAG
- Review and discuss WIG activities and presentations
- Presentation from 3GPP SA2 (pending)
- Wireless Interworking activities – Wireless Interworking issues – security, roaming, QoS etc
- Prepare for IEEE Interim, May 2003

HT STUDY GROUP OBJECTIVES FOR THIS SESSION

802.11 - High Throughput

CHAIR - JON ROSDAHL

- Prepare Response to Letter Ballot 55
- Submit PAR and 5 criteria to 802 ExCom for creation of Task Group

Upcoming Meetings

- **May 12th-16th, 2003 - Singapore - *Interim***
- **July 20th-25th, 2003 - San Francisco, CA, USA - *Plenary***
- **September, 15th-19th, 2003 - TBD - *Interim***
- **November 9th-14th, 2003 - Albuquerque, NM, USA - *Plenary***

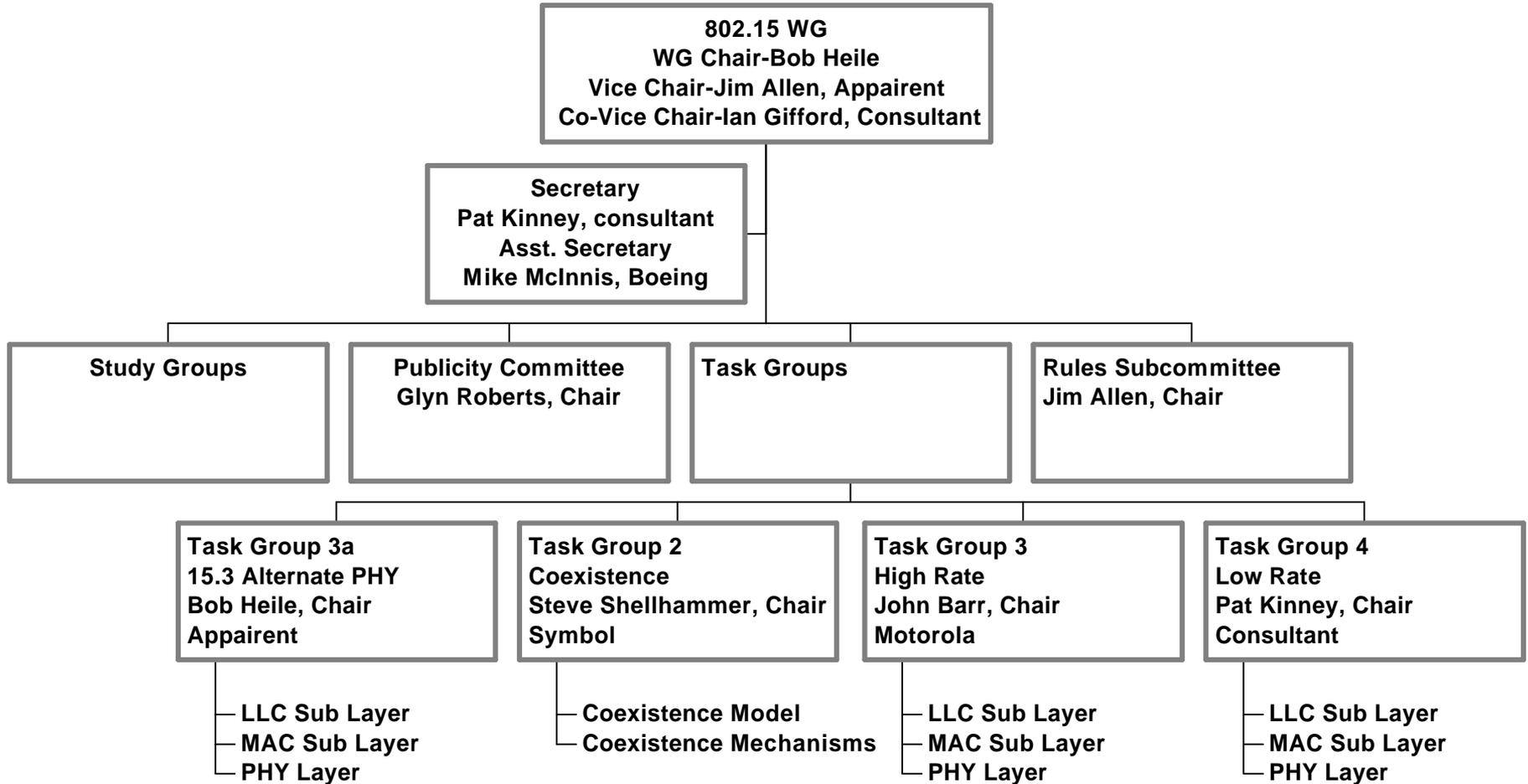


23rd Session of meetings of the IEEE 802.15 Working Group for Wireless Personal Area Networks

March 10-14, 2003

Hyatt Regency DFW

802.15 Functional Organization Chart



Archive, Mailing List, URLs

- Web Page: <http://www.ieee802.org/15/>
- General Mailing List: stds-802-wpan@ieee.org
- Voter/Nearly List: stds-802-15@ieee.org
- TG2 list: stds-802-15-2@ieee.org
- TG3 list: stds-802-15-3@ieee.org
- TG4 list: stds-802-15-4@ieee.org
- TG3a list: stds-802-15-sg3a@ieee.org
- Lists restricted to those on the list to reduce SPAM. To send to the list you must use the exact email address on the list as the 'from' address. Alias addresses such as ieee.org will not work.

To add your name to IEEE mailing list please send an e-mail
to alfvin@ieee.org

Objectives of the DFW Meeting

March 10-14, 2003

TASK GROUP 2 OBJECTIVES FOR THE MEETING

1. RECIRCULATION BALLOT COMMENT RESOLUTION

TASK GROUP 3 OBJECTIVES FOR THIS MEETING:

1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS

2. SPONSOR RECIRCULATION BALLOT COMMENT RESOLUTION

3. UPDATE DRAFT AS REQUIRED

4. SEEK APPROVAL TO SUBMIT TO REVCOM CONTINUOUS APPROVAL PROCESS

Objectives of the DFW Meeting

March 10-14, 2003

TASK GROUP 4 OBJECTIVES FOR THIS MEETING:

-
- 1. CONFERENCE CALL STATUS, INCLUDING APPROVAL OF ANY AD HOC BUSINESS**
 - 2. COMMENT RESOLUTION ON SPONSOR BALLOT RICIRCULATION**
 - 3. ZIGBEE RELATIONSHIP UPDATE**
 - 4. SEEK APPROVAL TO SUBMIT TO REVCOM CONTINUOUS APPROVAL PROCESS**

Objectives of the DFW Meeting

March 10-14, 2003

TASK GROUP 3a OBJECTIVES FOR THIS MEETING:

- 1. HEAR FIRST PASS RESPONSES TO THE CFP**
- 2. UPDATE THE CRITERIA DOC IF REQUIRED**
- 3. REFINE/UPDATE PROCESS AS REQUIRED**

R1		23rd IEEE 802.15 WPAN MEETING Hyatt Regency, DFW Airport March 9-14, 2003																																	
		The graphic below describes the weekly session of the IEEE P802.15 WG in graphic format																																	
		SUNDAY	MONDAY				TUESDAY				WEDNESDAY				THURSDAY				FRIDAY																
07:00-07:30				802.15 AC MEETING												802.15 AC MEETING																			
07:30-08:00																																			
08:00-08:30				802 SEC MEETING				TG3 ad hoc				TG3a				TG2				TG3				TG4				802.15 WG CLOSING							
08:30-09:00																																			
09:00-09:30																																			
09:30-10:00																																			
10:00-10:30				Break				Break				Break				Break																			
10:30-11:00				Break				PC with 802.11				802.15 WG MEETING				TG3a/TG3 Joint Session				802.15 WG CLOSING															
11:00-11:30				802 PLENARY				TG3 ad hoc				TG2				TG3				TG4															
11:30-12:00																																			
12:00-13:00				Lunch				Lunch				Lunch				Lunch				Lunch															
13:00-13:30		Optional Meeting Time & Network Setup		802.11 / 802.15 JOINT OPENING PLENARY				TG3a				TG2				TG3				TG4				802 SEC MEETING											
13:30-14:00				Break																															
14:00-14:15				802.15 OPENING PLENARY																															
14:15-14:30				Break																															
14:30-15:00																																			
15:00-15:15				Break				Break				Break				Break																			
15:15-15:30																																			
15:30-16:00		11/15 / R-REG LEADERSHIP MEETING																																	
16:00-16:30				TG2				TG3				TG3a				TG4				TG3a				TG2				TG3				TG4			
16:30-17:00		NEW MEMBERS ORIENTATION																																	
17:00-17:30																																			
17:30-18:30		Dinner		Dinner				Dinner				Break				Dinner																			
18:30-19:00		Optional Meeting Time										Social																							
19:00-19:30				Optional Meeting Time				Optional Meeting Time								Optional Meeting Time				Optional Meeting Time															
19:30-20:00				TG3a				TG3								Tut 1				Tut 3															
20:00-20:30																																			
20:30-21:00																																			
21:00-21:30				Tut 2																															

LEGEND

TG3a
TG2
TG3
TG4
AC

Alt 15.3 PHY Task Group
Task Group 2 - COEXISTENCE
Task Group 3 - HIGH RATE WPAN
Task Group 4 - LOW RATE
802.15 ADVISORY COMMITTEE

WNG
TUT
SEC

Wireless Next Generation
IEEE 802 Tutorials 1, 2, 3 and 4
802 SPONSOR EXECUTIVE COMMITTEE

Upcoming Meetings for 2003

- Interim-Singapore, May 12-16, 2003
- Plenary-San Francisco, July 20-25
- Interim-Balto-Wash, Sept 15-19, 2003
- Plenary-Albuquerque, NM Nov 9-14, 2003
- Interim-Vancouver, BC Jan 13-17, 2004

2003-03-10

IEEE 802.16-03/09

IEEE 802.16

Working Group on

Broadband Wireless Access

Roger Marks, Chair



IEEE 802.16
Working Group on
Broadband Wireless Access
(BWA)

LMSC Plenary Meeting

10 March 2003

Hyatt Regency DFW

802.16 Sessions

- #22: 11-14 November 2003
–Kauai, Hawaii, USA
- #23: 13-16 January 2003
–San Jose, CA, USA
- #24: 10-13 March 2003
–Dallas, TX, USA

802.16 Membership

- **71 Members**
- **37 Potential Members**
- **22 Observers**

802.16 Projects: 10-66 GHz

Air Interface

IEEE Standard
802.16
Publ: Apr 2002
MAC
10-66 GHz PHY

Conformance

802.16c (Profiles)
Publ: Jan 2003

1802.16.1 (PICS)
Sponsor Ballot
Comment Res
March 2003

1802.16.2
PAR: Dec 2002

1802.16.3
PAR: Mar 2003?

1802.16.4
PAR: future

Coexistence

IEEE Standard
802.16.2
Publ: Sep 2001

802.16 Projects: 2-11 GHz

Air Interface

802.16a
2-11 GHz
Approved
Jan 2003

Conformance

802.16d (Profiles)
PAR: Dec 2002

Coexistence

802.16.2a
2-11 GHz
Through 2
Sponsor Ballot
recircs

802.16e
Mobile Extension
PAR Dec 2002

802.16 Leaders

- **Chair: Roger Marks**
- **Vice Chair: Carl Eklund**
 - **Election in Jan 2003 to fill vacancy**
- **Secretary: Dean Chang**
- **TGC Chair: Ken Stanwood**
- **TGd Chair: Gordon Antonello**
- **TGe Chair: Brian Kiernan**
- **TG2 Chair: Phil Whitehead**

Resources

- on LAN this week:
 - <http://mercury>
- permanently:
 - <http://WirelessMAN.org>

802 Handoff Call for Interest

- *"Handoff Mechanisms and their Role in IEEE 802 Wireless Standards"*
- Tuesday 6-7:30 pm
- Issue: a single 802 handoff interface to allow handoff among mixed 802 networks as well to and from non-802 systems.
- Tutorial and followup in November 2002
 - Hundreds of people
- Email reflector
- Will be discussing request for Study Group



IEEE 802.17 Resilient Packet Ring

Meeting # 13

Michael Takefman, Chair

<http://www.ieee802.org/17>
stds-802-17@ieee.org



Officers of RPRWG



- Chair Mike Takefman
- Vice-Chair Bob Love
- Secretary Vinay Bannai
- Web-Master John Hawkins
- Editor In Chief Tom Alexander



RPRWG

- New 802 Project approved by IEEE Standards Board on Dec. 7, 2000 as IEEE 802.17 Resilient Packet Ring Working Group
- The Resilient Packet Ring Working Group will define a Resilient Packet Ring Access Protocol for use in Local, Metropolitan and Wide Area Networks for transfer of data packets at rates scalable to many gigabits per second.
- The project will use existing Physical Layer specifications and may develop new PHYs where appropriate.

Meeting Goals

- Comment resolution on Draft 2.1
- Joint meeting with ITU-T SG 7/17
- Liaison response to ITU-T SG 15
 - Liaison addressed to 802
 - all WGs must see response and agree to it
 - Draft available Tuesday AM

Meeting Schedule

	Mon	Tues	Wed	Thurs
8-12	Fairness AH		Plenary	Plenary
	CR-A	CR-A	CR-A	
	CR-B	CR-B	CR-B	
		CR-C	CR-C	
12-6	Plenary	CR-A	CR-A	
		CR-B	CR-B	
		CR-C	CR-C	
6-12	CR-A	CR-A	CR-A	
	CR-B	CR-B	CR-B	
	CR-C	CR-C	CR-C	
	Liaison AH			



Next Interim Meeting



- TBD this afternoon
- Meeting 14a
 - May 12-15, 2003 or May 19-22
 - Montreal or Orlando
- Meeting 14b
 - June XX-YY, 2003 Ottawa

802.18 RR-TAG Opening Report

- Report on January Interim Meeting
- Report on Feb. Teleconference Meeting
- Objectives for this Meeting
- Update on Significant Regulatory Issues

Report on January Interim Meeting

- **Held brief joint sessions WNG SC (Denis Kuwahara)**
- **Prepared and approved 2 regulatory filings for FCC**
 - 18-03-005r0-80218_Cmts_SPTF_Report.doc
 - Comments on FCC SPTF Report
 - Passed SEC review and was filed January 27, 2003
 - 18-03-006r0-80218_Cmts_ET-02-380.doc
 - Comments on FCC NOI on unlicensed spectrum
 - Opportunistic sharing of unused TV channels
 - Possible allocation of 3650-3700 MHz band for unlicensed
 - Passed SEC review, filing deadline April 7, 2003

Report on February Teleconference Meeting

- **Prepared and approved 2 regulatory filings for FCC**
 - 18-03-009r0_80218_Rep_Cmts_SPTF_Report.doc
 - Reply Comments on FCC SPTF Report
 - Passed SEC review and was filed February 28, 2003
 - 18-03-010r0_80218_Opp_Pet_RM-10641.doc
 - Opposition to a Petition for Rulemaking
 - Petition sought onerous point of sale recordkeeping on sales of a wide variety of radio equipment, including Part 15
 - Petition envisioned open access to information by local law enforcement, despite federal preemption of local regulation
 - Petition sought onerous labeling requirements
 - Passed SEC review and was filed February 27, 2003

Planned Objectives for This Meeting

- Prepare regulatory documents as time permits (will prioritize at 802.18 opening plenary)
- Hold joint meetings or briefings with other groups, if necessary
- Try to complete final draft of 802.18 operating rules for submission to SEC for review and approval at closing SEC meeting (*time permitting – much other work to do*)

Significant Pending Regulatory Issues (1)

- USG now supporting 5 GHz Allocation, FCC working on NPRM
 - Result of compromise on DFS threshold between industry participants and NTIA/DoD (part of ITU-R process on the DFS DNR)
 - USG changed its position to recent “CITEL” meeting “on-the-fly” and fully supported allocation of both 5150-5350 and 5470-5725 MHz
 - US position to WRC-03 will support allocation of both 5150-5350 and 5470-5725 MHz for “wireless access systems, including RLANs” (according to M.1450-1)
 - FCC appears to be intent in issuing NPRM before WRC-03
- FCC NOI on unlicensed spectrum (ET 02-380)
 - Unlicensed use of unused TV channels, 3650-3700 MHz
 - Comments prepared and approved, awaiting filing deadline

Significant Pending Regulatory Issues (2)

- Petition for Rulemaking by National Translator Assoc. (RM-10666)
 - Could compromise potential for sharing of unused TV frequencies contemplated in ET 02-380 by loading the band with more TV signals
 - Study Petition and consider preparing Opposition (or at least request delay until after ET 02-380 “plays out”)
- Possibility of additional unlicensed spectrum adjacent to 2.4 GHz?
 - FCC cancels some “Big LEO MSS” licenses, reclaims spectrum
 - R&O and NPRM in IB 01-185/IB 02-364 seeks comment on reallocation of reclaimed spectrum (at para. 272):

“Finally, we seek comment on the possibility of re-allocating any returned Big LEO spectrum. Under the plan adopted in this Order, spectrum in the 2483.5-2492.5 MHz and 2498-2500 MHz bands could be available for other uses. For instance, we seek comment on allowing unlicensed devices to operate in any returned spectrum.”
 - Is the potentially available spectrum useful?
 - Would adding 2483.5-2492.5 allow use of 4 channels in the US?

Significant Pending Regulatory Issues (3)

- Allen-Boxer (Senate) and Honda (House) Unlicensed Spectrum Bills
 - Letters of support? (or at least at “Thank you for your help” letters)
 - Assistance in obtaining co-sponsors?
 - WFA Legislative Committee active in this area, but 802 support could help
- Potential expanded Amateur threat to 2.4 GHz band
 - ARRL is promoting use of 802.11b equipment under Part 97 on channels 2-5 with up to 100W TX power and antenna gains of 14-15 dBi (omni) - higher gain directional antennas are obviously feasible
 - ARRL Board approved motion authorizing request to FCC to change Part 97 SS TPC threshold from 1W to 10W (this limit is already easy to avoid)
 - As of latest info, ARRL has not yet filed anything with FCC (monitoring situation)
 - FCC OET has been advised of this development
 - Need to determine our response strategy

Significant Pending Regulatory Issues (4)

- FCC Meeting, Thursday, March 13 at 0930 EST
 - Will consider NOI on receiver standards as part of spectrum policy
 - Will consider changes in MMDS and ITFS rules (.16 interest?)
 - 802.18 will monitor and report

- 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”
 - 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 sessions counts towards maintaining your voting rights in your (one) “home WG”

Project: IEEE P802.19 Coexistence TAG

Submission Title: March 2003 Plenary Meeting Status and Plans

Date Submitted: 10 March, 2003

Source: Jim Lansford, Company Mobilian Corporation

Address 7431 NW Evergreen Pkwy, Hillsboro, OR 97124

Voice:+1 405 377 6170, FAX: +1 425 671 6099, E-Mail: jim.lansford@mobilian.com

Re:

Abstract: Meeting document for Dallas plenary

Purpose: For discussion

Notice: This document has been prepared to assist the IEEE P802.19. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.

Release: The contributor acknowledges and accepts that this contribution becomes the property of IEEE and may be made publicly available by P802.19.

802.19 Status/Plans for March Plenary

Jim Lansford, Interim Chair
802.19 Coexistence TAG
Jim.lansford@mobilian.com
+1 405 377 6170

Status

- Web site and reflector up
- Approx 60 attendees at interim meeting
- Charter and Operating Rules documents in third revision
 - Expect TAG to vote this week
- Guideline document drafted by Mat Sherman
 - Goes into TAG for completion
- Engaged with 802.15.3a process
- Engaged with 802.11n (HTSG) process
- Official liaison established with TIA TR-41
 - Scott Roleson of HP
- Discussion with 802.18 about coexistence issues at FCC

Plans for Dallas

- **Officer elections**
 - No quorum in Ft. Lauderdale
- **Vote on Charter and Operating Rules**
 - In third revision
- **Presentation in 802.15.3a**
 - Begin reviewing first 24 proposals
 - Joint session in Singapore to review
 - Presentation in 802.19 meeting from 802.15.3a
- **Presentation in 802.11n**
 - Review coexistence criteria from prior 802.19 presentations and 802.15.3a discussion
- **Begin work on Coexistence Guideline document (Mat Sherman's)**
- **Discussion of further upcoming work**
 - Appendix for 802.15.2 for 802.11g
 - TIA cordless phone coexistence
 - Spectrum etiquette
- **Sessions on Wednesday 1-3PM and 3:30-5:30PM**

Proposed agenda for meeting

		Item		Presenters	Duration	Start Time
	*	Call to order & Opening Remarks	-	Chair	5	01:00 PM
2	MI	Review and approval of agenda	-	Chair	5	01:05 PM
3	MI	Review and approval of minutes from Ft. Lauderdale	-	Chair	5	01:10 PM
4	DT	Summary of activities since January interim	-	Chair	20	01:15 PM
5	MI	Officer elections	-	Chair	20	01:35 PM
6	MI	Summary and vote on third Draft of 802.19 Charter	-	Chair	20	01:55 PM
7	MI	Summary and vote on third draft of 802.19 Operating Rules	-	Chair	25	02:15 PM
8	DT	Discussion of Coexistence Guide document	-	Lansford/Sherman	20	02:40 PM
9	II	Break	-		30	03:00 PM
10	DT	Coexistence Issues for UWB	-	John Santoff	20	03:30 PM
11	DT	802.15.3a Coexistence Review Discussion	-	Jim Lansford	20	03:50 PM
11	DT	High Throughput Coexistence Discussion	-	Jim Lansford	20	04:10 PM
11	DT	Next steps for 802.19	-	Chair	15	04:30 PM
11	II	Closing Remarks	-	Chair	5	04:45 PM
11	MI	Adjourn	-	Chair	0	04:50 PM

Session No. 1 of IEEE 802.20

Mobile Broadband Wireless Access

10 – 13, March 2003
Dallas, TX, USA

Mark Klerer

Interim Chair – IEEE 802.20

smklerer@ieee.org

March 10, 2003

Meeting Objectives

- Presentation on:
 - Channel models for MBWA
 - Data Traffic Models for MBWA
 - Networking considerations for MBWA including Handoff
 - Evaluation criteria for MBWA systems
 - Initial contributions on basic elements of MBWA systems
- Agreement on working group name
- Working Group Officer Elections

Membership and Voting

- 802.20 has 8 meetings during this weeks session. Anyone attending 6 meetings during the week will have voting rights.
- No votes will be taken until Thursday evening.
- Anyone who has attended at least 5 sessions prior to Thursday evening will be entitled to vote Thursday evening
- Officer elections will be held Thursday evening. Initial nominations Wednesday afternoon

Logistics

- Mirror website at <http://neptune/mbwa/>
- Manual attendance logs are primary in determining meeting participation
- Electronic entries on Pluto will be used to start building the membership database.

Tutorial Schedule

Monday	Tuesday
SA Overview 12-12:45pm	
Link Security: Bridging 6:30-7:30pm	802 Handoff CFI 6:00-7:30pm
Link Security: EPONs 7:30-8:30pm	Ultra Wide Band 7:30-9:00pm
Link Security: 802.10 8:30-9:30pm	Mesh Networks 9:00-10:30pm
	21

Introduction of Jim Carlo, IEEE-SA President-elect

Meeting arrangements (Buzz Rigsbee)

Parking is free, if parking stub is validated by the Bell desk

Bus will be running to the Grapevine Mall (free)

5 Social is Wednesday evening, will have Texas BBQ theme.

The meeting was adjourned at 12:05pm

Respectfully Submitted,
Bob O'Hara
Recording Secretary

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