

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

Monday, March 6, 2006 – 8:00 a.m.

Denver, CO

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

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

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

2.00 MI APPROVE OR MODIFY AGENDA - Nikolich 4 08:01 AM

**r04 DRAFT AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING
Monday 8:00AM -10:30AM**

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 0 08:05 AM

- 08:05 AM

4.00 II TREASURER'S REPORT - Hawkins 5 08:05 AM

4.01 - 08:10 AM

Category (* = consent agenda) 08:10 AM

Stds Board items	08:10 AM
-------------------------	-----------------

5.00 II Stds Board Actions (approved projects, standards, withdrawals) - Nikolich 2 08:10 AM

5.01 II - 08:12 AM

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

5.03 II List of Drafts to Sponsor Ballot - Nikolich 2 08:14 AM

5.04 II List of Drafts to Revcom - Nikolich 2 08:16 AM

5.05	II		-			08:18 AM
						08:18 AM
SA items						
5.06	II	802 Task Force update	-	Nikolich	5	08:18 AM
5.07	II	Michael Lindsay presentation update	-	Lindsay	5	08:23 AM
5.08	II	Get IEEE802 program update	-	Kenney	5	08:28 AM
5.09	II	802 attendance software	-	LaBelle/Camp	5	08:33 AM
5.10	II	Online Training Update	-	Thaler	5	08:38 AM
5.11	II	SA Staff Liaison - Update	-	Kipness	5	08:43 AM
5.12	II	Patent office request - update	-	Law/Mills	5	08:48 AM
5.13	II		-			08:53 AM
5.14	II		-			08:53 AM
5.15	II		-			08:53 AM
LMSC items						
5.16	MI	LMSC Meeting Fee Waivers	-	Nikolich	2	08:53 AM
5.17	II	Tutorial schedule	-	Nikolich	5	08:55 AM
5.18	II	JTC1/SC6 update	-	Marks/Thompson	5	09:00 AM
5.19	II	China Liaison update	-	Marks	5	09:05 AM
5.20	MI	P&P update	-	Sherman	15	09:10 AM
5.21	II	Architecture Group update	-	Jeffree	5	09:25 AM
5.22	II	Joint 802.21/P1900.2 meeting	-	Shellhammer	2	09:30 AM
5.23	II	notice of PARs under consideration	-	WG chairs	5	09:32 AM
5.24	II	Withdrawn PAR	-	Heile	5	09:37 AM
5.25	II	notice of Study Groups under consideration	-	WG chairs	5	09:42 AM
5.26	II	Appeal status	-	O'Hara/Nikolich	2	09:47 AM
5.27	II	EC Election/Confirmation update	-	Nikolich	2	09:49 AM
5.28	II	Revised Opening Plenary update	-	Nikolich	2	09:51 AM
5.29	ME	ITU-R M.1450	-	Lynch	5	09:53 AM
5.30	II	Need EC cooperation to meet RevCom submittal deadline	-	Grow	3	09:58 AM
5.31	II	Utilizing ITU-T as an international standardization path	-	Mills	2	10:01 AM
5.32	MI	Online training cost	-	Thaler	5	10:03 AM
5.33	II	JTC1/SC31 update	-	Heile	2	10:08 AM
5.34	II		-			10:10 AM
5.35	II		-			10:10 AM
5.36	II		-			10:10 AM
5.37	II		-			10:10 AM
5.38	II		-			10:10 AM
5.39	II		-			10:10 AM
5.40	II		-			10:10 AM
5.41	II		-			10:10 AM
5.42	II		-			10:10 AM
5.43	II		-			10:10 AM
5.44	II		-			10:10 AM
5.45	II	Feedback on Roger Marks EC email ballot process	-	Nikolich	2	10:10 AM
5.46	DT	EC meeting schedule (rules, SA, etc.)	-	Nikolich	3	10:12 AM

ADJOURN SEC MEETING - Nikolich 10:15 AM

6.00 PL IEEE 802 PLENARY MEETING STARTS - Nikolich 60 11:00 AM

6.01 PL IEEE 802 PLENARY MEETING ENDS 12:00 PM

ME - Motion, External MI - Motion, Internal

DT- Discussion Topic II - Information Item

Special Orders

Motion: to approve the agenda as modified.

Moved: Sherman/Rajkumar

Passes: 16/0/0

5

3.00 * APPROVE / MODIFY MINUTES OF PREVIOUS MEETING - Nikolich 0 08:05 AM

- 08:05 AM

4.00 II TREASURER'S REPORT - Hawkins 5 08:05 AM

IEEE Project 802
Statement of Operations
Nov 05 Plenary Session
Vancouver, BC
As of Mar 5, 2006

Session Income				Actual	Budget	Deviation
Net Registrations				1,429	1,200	229
68%	978	Early Registrations	@ \$300	293,400	216,000	77,400
	8	Early cancellations	@ \$300	-2,400		
	27	Cancellations	@ \$250	-6,750		
32%	451	Registrations	@ \$400	180,400	192,000	(11,600)
	4	Cancellation	@ \$350	-1,400		
	0	On-site registrations	@ \$400	0		
	1	Other	@ \$100	100		
Registraion Subtotal				462,239	408,000	54,239
	0	Deadbeat Payment	@ \$350	0	0	0
Interest				34	60	(26)
Other				2,240	0	2,240
TOTAL Session Income				464,513	408,060	56,453

Session Expenses				Actual	Budget	
Audio Visual Rentals				9,230	15,000	5,770
Audit				0	0	0
Bank Charges				379	278	(101)
Copying				3,757	3,500	(257)
Credit Card Discounts & Fees				13,487	10,800	(2,687)
Equipment Expenses				20,565	9,000	(11,565)
Get IEEE 802 Contribution				103,425	93,750	(9,675)
Insurance				0	0	0
Meeting Administration				87,759	76,838	(10,921)
Misc Expenses				3,755	20,500	16,745
Networking				62,234	54,388	(7,846)
Phone & Electrical				375	2,100	1,725
Refreshments				123,238	100,000	(23,238)
Shipping				13,676	4,500	(9,176)
Social				46,734	40,000	(6,734)
Supplies				303	500	197
TOTAL Session Expense				488,916	431,154	(57,762)
Other Income/Expense				(46,328) *		
NET Session Surplus/(Deficit)				(70,731)	(23,094)	(47,637)

Analysis				Actual	Budget	Deviation
Refreshments per registration				86	83	(3)
Social per registration				33	33	1
Meeting Admin per registration				61	64.03	3
Surplus/(Loss) per registration				(49)	(19)	(30)
Pre-Registration ratio				0.68	0.60	

Cash on hand as of Jan 31, 2006	308,789
Reserve for invoiced expenses for prior sessions	-1200
Reserve for other outstanding commitments	(7,500)
Income received for current session	(60,000)
Expenses prepaid for current session	28,588
Expenses prepaid for future sessions	0
Petty cash fund (F2F)	2,000

Operating Reserve following this session	270,677
---	----------------

* Online ed	\$	18,834
P&P	\$	16,129
Legal	\$	11,365
Tot Other	\$	46,328

IEEE Project 802
Estimated Statement of Operations
March 2006 Plenary Session
Denver, Co
As of March 5, 2006

Meeting Income	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>
Registrations	1,400	1,200	200
Registration income	616,000	528,000	88,000
Cancellation refunds	(12,320)	(10,560)	
Deadbeat collections	0	0	0
Bank interest	60	60	0
Other income	0	0	0
TOTAL Meeting Income	603,740	517,500	86,240
Meeting Expenses	<i>Estimate</i>	<i>Budget</i>	<i>Variance</i>
Audio Visual Rentals	15,000	15,000	0
Audit		8,000	8,000
Bank Charges	500	500	0
Copying	3,750	3,500	(250)
Credit Card Discount	17,248	14,784	(2,464)
Equipment Expenses	70,000	9,000	(61,000)
Get IEEE 802 Contribution	105,000	90,000	(15,000)
Insurance	3,500	3,500	0
Meeting Administration	84,658	75,064	(9,594)
Misc Expenses	2,000	500	(1,500)
Network	54,950	65,000	10,050
Phone & Electrical	2,100	2,100	0
Refreshments	126,000	96,000	(30,000)
Shipping	10,000	6,500	(3,500)
Social	56,000	42,000	(14,000)
Supplies	1,000	1,000	0
Other Discounts		0	0
TOTAL Meeting Expense	551,706	432,448	(119,258)
Other Income/Expense	79,659		
NET Meeting Income/Expense	131,693	85,052	46,641
Analysis			
Refreshments per registration	90	80	(10)
Social per registration	40	35	(5)
Meeting Administration per registration	60	63	2
Networking per registration	39	54	15
Get IEEE 802 Contribution per registratio	75	75	0
Surplus/Deficit per registration	94	71	23
Pre-registration rate	0.600	0.600	
Previous operating reserve	270,677		
NET Meeting Income/Expense	131,693		
Projected operating reserve	402,370		

Tasks

Treasury tasks, week of Mar 2006 plenary:

- **Future budgets readied for approval**
 - London VAT issue
 - Request approval Friday or via email ballot
- **Get 802 budget renewal**
- **L50 form completion**
 - Asset tracking becoming an issue
- **Audit for 2005**
- **Ongoing**
 - Registration counters
 - Staff phone use
 - VeriLAN contract
 - F&B

4.01

-

Category (* = consent agenda)

Stds Board items

5.00

II

Stds Board Actions (approved projects, standards, withdrawals)

-

Nikolich

2

08:16 AM

Dec 2005

SA Standards Board Actions

Standards Approved

New:

P802.1ad/D6.0 Virtual Bridged Local Area Networks - Amendment 4: Provider Bridges

P802.15.3b/D05 WPAN: Amendment to MAC Sublayer

P802.16e/D12 Amendment for Combined Fixed and Mobile Operation in Licensed Bands

Revisions:

P802.1Q/D5.0 Virtual Bridged Local Area Networks

Reaffirmations:

none

Administrative Withdrawals:

802.11F at Feb 2006 SB ballot

Dec 2005

SA Standards Board Actions

Projects Approved

New:

P802.16i - Mobile Management Information Base

Under consideration by NesCom (vote to close 7MAR): P802.11y and P802.22.1

Revisions:

none

Reaffirmations:

none

5.01 II

-

5.02 II PARS to NesCom

-

Nikolich

2

08:21 AM

Draft PARs to NesCom

- **P802.1AS:** Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks
- **P802.15.3a:** PAR withdrawal
- **P802.16j:** Mobile Multihop Relay
- **P802.16k:** Amendment to 802.1D on 802.16 Bridging
- **P802.19:** Recommended Practice on Methods for Assessing Coexistence of Wireless Networks
- **P802.20:** PAR Extension
- PARS of interest outside 802
 - none

Draft Standards to Sponsor Ballot

- 802.1ak conditional approval
- 802.3ap conditional approval

Additions to the original slide presented at the meeting:

802.1ak conditional approval

802.3ap conditional approval

5

5.04 II List of Drafts to Revcom

- **Nikolich**

2 08:24 AM

Draft Standards to RevCom

- 802.1AE
- 802.3as, 802.3-2005/Cor-1 may request EC email ballot
- 802.15.4revb
- 802.16/conformance04 (maybe-pending return ratio)

Additions to the slide presented at the meeting:

- 802.1ae
- 802.3as
- 5 802.3-2005/cor1
- 802.15.4REVb
- 802.16/conformance04

5.05 II

-

SA items

5.06 II

802 Task Force update

-

Nikolich

5

08:26 AM

IEEE Staff Introductions

- **Karen Kenney:** Associate Managing Director, Business Administration
- **Michelle Turner:** Project Editor
- **Michael Fischer:** Program Manager, Document Development
- **Susan Vogel:** Manager, Technical Committee Programs
- **Susan Tatiner:** Associate Managing Director, Technical Program Development
- **Michael Kipness:** Staff Liaison
- **Jennifer McClain Longman:** Managing Editor, Standards Information and Industry Publishing
- **Bob LaBelle:** Manager, Networks and Telecommunications
- **Clyde Camp:** Staff support for 802.11, 802.20, 802.15, 802.3
- **Michael Lindsay:** IEEE SA Counsel

- **Michael Lightner,** IEEE president (will be present at opening plenary meeting)

IEEE-SA/802 Task Force

- Meeting held at November 2005 Plenary Session
 - Topics:
 - 1) MyBallot/MyProject update: Grow/Vogel
 - 2) Declaration of Affiliation update: Kenney
 - 3) European Patent Office: Mills
 - 4) SC6 TAG meetings in conjunction with 802 sessions: Thompson
 - Participants:
 - 802- Nikolich, Thompson, Law, Grow, Mills
 - SA Staff-Kenney, Vogel, Kipness, Turner

IEEE-SA/802 Task Force tentative agenda

- myBallot/myProject update
- 802 Online Training update
- Get IEEE 802™ update
- Attendance Software update
- European Patent Office update

- Wednesday 1-3pm

5.07 II Michael Lindsay presentation update - Lindsay 5 08:33 AM

Michael Lindsay will present on the IEEE Code of Ethics as it applies to anti-trust. He will also present on IEEE intellectual property policies.

5

5.08 II Get IEEE802 program update - Kenney 5 08:35 AM

Get IEEE 802® Update 14 For LMSC November Plenary

Karen Kenney, Associate Managing Director,
Business Administration

March 2006
Denver, CO



Get IEEE 802® Update 13

Downloads

- **Program to date** **2,245,303**
- **Year to date 2005** **488,935**
- **Weekly average** **8,467**
- **Most requested**
 - **802.11™, .11a, .11b, .11i, .11g**
 - **802.3™**
 - **802.15.4**
 - **802.16**

Get IEEE 802® Update 13

User Type (YE 2005)

USER	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total
Academic/Student:	18,326	6,522	22,635	20,406	17,747	15,902	14,332	15,926	18,372	19,174	19,435	15,052	203,829
Other:	6,651	2,058	7,079	6,511	6,367	6,728	5,947	6,246	6,646	6,769	6,361	6,364	73,727
Network equipment manufactu	4,803	1,270	4,542	4,813	4,164	4,657	4,403	4,706	4,402	4,279	4,524	3,611	50,174
Public network service provide	2,863	814	2,806	3,337	2,674	3,105	2,792	2,893	2,878	2,978	3,439	2,861	33,440
Network Software Developer/N	3,419	1,103	3,683	2,991	3,357	3,200	2,804	3,082	2,945	3,047	3,237	2,793	35,661
Systems Administrator:	2,429	880	2,804	2,471	2,335	2,255	1,974	2,279	2,586	2,336	2,396	2,476	27,221
Standards Developer:	1,770	742	1,618	1,728	1,390	1,441	1,477	1,580	1,250	1,528	1,602	1,460	17,586
Network silicon manufacturer:	1,093	307	1,146	1,168	990	831	951	973	896	882	812	791	10,840
Private network service provid	1,340	436	1,410	1,449	1,435	1,318	1,195	1,210	1,215	1,471	1,421	1,104	15,004
Government:	1,265	301	1,372	1,209	1,183	1,321	1,426	1,356	1,497	1,384	1,304	1,142	14,760
Journalist/Analyst/Author	743	311	603	651	555	473	478	556	597	533	682	511	6,693
Curious Citizen													-
Total	44,702	14,744	49,698	46,734	42,197	41,231	37,779	40,807	43,284	44,381	45,213	38,165	488,935

Get *IEEE 802*® Update 13

User Type (4/03-12/05)

USER	PTD Total
Academic/Student:	603,333
Other:	229,212
Network equipment manufacturer:	160,746
Public network service provider:	103,074
Network Software Developer/Manufacturer	99,280
Systems Administrator:	81,422
Standards Developer:	53,997
Network silicon manufacturer:	42,264
Private network service provider:	49,833
Government:	45,970
Journalist/Analyst/Author	18,573
Curious Citizen	74
Total	1,487,778

Get *IEEE 802*® Update 13

Program Entries

March 2006 – July 2006

Std On or about

802.11e™ 11 May 06

802.16f 1 Jun 06

802.13™ 9 Jun 06

Get IEEE 802® Update 13

Approvals

<u>IEEE Std</u>	<u>Tentative Pub Date</u>
802.16-2004/Cor1	28 Feb 2006
802.16e	28 Feb 2006
802.1ad	7 Apr 2006
802.1Q	7 Apr 2006
802.15.3b	24 Apr 2006

Get *IEEE 802*® Update 13

Reminders/Updates

- Approve 2007 budget at closing EC meeting, 10 March 2006

Proposal: Database Tools Development

IEEE-SA 802 LMSC
Executive Committee

Bob LaBelle – IEEE-SA IT Manager
Clyde Camp – OSS Program Manager

6 March 2006 Denver/802 Plenary



Current Status

(Ignoring all that has gone before ...)

- **From an 802 perspective,**
 - **802.11 and 802.15 urgently need attendance database tools to manage large numbers of attendees and contributions**
 - **802.XX could benefit from these tools as well**
 - **All 802 work/task groups are encouraged to utilize the same tool-set to manage attendance tracking, validation, membership calculations and document distribution**
 - **Action has been passed to the Executive Committee**

Current Status (cont)

- **From an IEEE Perspective, we would like to:**
 - **Provide a common tool-set for attendance/membership tracking across the SA**
 - **Provide a consistent individual database with secure Individual Unique Identifiers across the SA**
 - **Participants with interests in multiple sponsors or societies should not have to maintain multiple contact information**
 - **Provide a consistent document storage/retrieval system across the SA**
 - **Provide a secure set of Sponsor/WG development tools across the SA**

IEEE-SA Staff Proposal

- **IEEE-SA will develop near-term attendance database tools to alleviate pressure on wireless groups - available no later than June '06**
 - Hosted CGI-scripts
 - Excel macros or simple database structures
 - SA-supported but possibly throw-away tools
- **IEEE-SA will develop a complete proposal to meet full 802 needs for decision by November 2006 Plenary**
 - Unique Personal ID Mechanism
 - Meeting Registration
 - Attendance & Membership Calculation
 - Contribution Document & Content Management

Key Contacts

- **IEEE Staff Contacts**
 - Bob LaBelle, Project Lead
 - Clyde Camp
 - Terry Lee
 - Karen Kenney
- **IEEE 802 Contacts**
 - Buzz Rigsbee
 - John Hawkins
 - ??????

Questions?

Karen Kenney clarified that the interim solution to address the immediate needs of 802.11 and 802.15 will be provided by internal IEEE programmers, without charge to IEEE.

5 Several opinions were expressed that the actions assigned in the November 802 EC meetings have not been completed, particularly that an RFP has not been started and a guideline for requirements has not been created.

Paul asked Buzz to come to the closing EC meeting with an update on this situation.

5.10 II Online Training Update

- **Thaler**

5 08:49 AM



IEEE

Training update

6 March 2006

Pat Thaler

Newcomer training

- New to IEEE 802?
- New to IEEE standards development?
- What's an EC, a PAR, all those dots ...?

Join us for:

Newcomer Training.

Monday, 6 March, 10 to 11 AM

Centennial A through E

Taught by David Law

On-line training

IEEE Standards process course

- ~ 150 screens
- Duration ~ 3 hours
 - Self-paced
 - Can be taken in multiple sessions
- Development completed
- Beta test completed
- Expect to go on-line within the next week

Thanks to all our reviewers

- 1st Draft reviewers:
 - IEEE Staff coordinated by Sue Vogel
 - Bob Grow who did a particularly good job of suggesting alternate text where needed
 - Michael Lynch
- Our beta testers

Pat asked that the working group chairs ask their vice chairs to volunteer to present the newcomer training session, since the chairs will be in the EC meeting at the time the training will be given.

Pat indicated that the course we develop will need to be periodically updated.

5

5.11 II SA Staff Liaison - Update

- **Kipness**

5 08:58 AM

2006 PAR Form

802 Executive Committee

Mike Kipness, Program Manager
6 March 2006
Denver, CO



PAR Form for 2006

- **A new PAR Form will rollout on 3 April 2006**
- **Web-based – Will move from screen to screen**
- **When submitting Modified PARs/PARs for the Revisions of Standards, information available from previously approved PARs will be automatically populated on the form**
- **You will still be able to distribute the form amongst your group for review**
- **Programming of the form is still in process**
- **New form will be demonstrated at the 29 March 2006 NesCom meeting**

Sample Screen

PAR Submission=>Page 1-**Amendment to an Existing Standard 802.11-1999** (168638576.14603)

1.1 Assigned Project Number P (Please leave blank if not available)

[INSTRUCTIONS](#): Note: New project numbers are assigned by the IEEE Standards Department. Please confer with IEEE staff if a specific project number is desired.

1.2 DATE OF SUBMISSION (YYYY-MM-DD)

1.3 Type of Document:

- Standard for { document stressing the verb "shall" }
- Guide for { document in which good practices are suggested, stressing the verb "may" }
- Recommended Practice for { document stressing the verb "should" }

[INSTRUCTIONS](#): For the submitter's reference,

Standards are documents with mandatory requirements. Standards are generally characterized by the use of the verb "shall."

Recommended practices are documents in which procedures and positions preferred by the IEEE are presented. Recommended practices are generally characterized by the use of the verb "should."

Guides are documents in which alternative approaches to good practice are suggested, but no clear-cut recommendations are made. Guides are generally categorized by the use of the verb "may."

For the purpose of this document, standards, recommended practices, and guides are generically referred to as IEEE Standards.

1.4 Life Cycle: Full Use Trial Use

[INSTRUCTIONS](#): A standard can be designated trial-use or full-use.

A standard can be designated for trial-use when a draft satisfies the standards-developing group (i.e., subcommittee or working group), but needs input from a very broad constituency. This is a preferred alternative to the widespread distribution of unapproved drafts. Such a draft requires a letter ballot of the sponsor and approval by the IEEE-SA Standards Board as a trial-use standard. Trial-use standards are effective for no more than two years from the date of publication. If no comments are received during the trial period, the standard is subject to adoption as a full-use standard upon receipt of written recommendation from the sponsor and approval by the IEEE-SA Standards Board.

1.5 Amendment # (3 lowercase letters)

Save and Continue

Save and Come Back Later

Reset



5.12 II Patent office request - update

- Law/Mills

5 09:01 AM

EPO Access to IEEE 802 drafts

- EPO requested access to IEEE 802 drafts
 - Approved at November closing EC meeting [Item 9.04]
- BoG motion
 - Move that the BOG endorse in principle a program to make available IEEE working group material to patent offices and patent agents, etc., with the appropriate IEEE-SA legal/financial controls in place.
 - Unanimously approved
- IEEE-SA Standard Board chartered Ad Hoc
 - Task to address the "legal/financial controls".
 - Initial focus is EPO access to IEEE 802 drafts
 - Want applicable to all POs and WGs

EPO Access to IEEE 802 drafts

- Proposal
 - Create EPO Username and Password
 - Each WG appoint somebody to provide list of draft directories
 - Need to make sure only IEEE-SA copyright material
 - Access added to these directories
 - List also used to produce a ‘EPO access Home page’
 - No fee
 - Best effort of IEEE-SA part
 - License agreement drafted

A question was asked about how this interacts with IEEE record retention policy. The answer was that it was not discussed.

Another question was whether we should ask the other SDOs for permission to make their draft material available, along with our own, if it is available to our members. The response was that this would be additional work and is not desirable.

5

- 5.13 II -
- 5.14 II -
- 5.15 II -

LMSC items

- 5.16 MI LMSC Meeting Fee Waivers - Nikolich 2 09:09 AM

Email Ballot recap

		(yes/no/abs/dnv)
• 12 DEC	APP 802.16e Press Release	9/0/0/7
• 02 FEB	APP 802.11 Press Release	16/0/0/0
• 03 MAR	APP \$68.7k for network equipment	12/1/3/0

--question: how did the EC like Roger's balloting system (12DEC vote)

Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
 - IEEE-SA Staff Participants
 - Karen Kenney, Michelle Turner, Michael Kipness, Susan Vogel, Susan Tatiner, Michael Fischer, Michael Lindsay, Clyde Camp, Bob LaBelle, Jennifer McClain Longman, Walter Pienciak
 - Invited Participants
 - Michael Lightner
 - 802.19&1900.2 joint meeting attendees (strictly limited to joint meeting)
 - Stephen Berger, Jim Hoffmeyer, Todd Martin (DARPA SETA), Kalle Konston (Joint Spectrum Center and FCC TAC), Doug Sicker (Univ. of CO & former FCC), Dale Hatfield (former FCC chief engineer), Dirk Grunwald, Tim Brown, John Chapin

Tutorial Schedule

Monday	Tuesday
1) 802.16 Mobile Multihop Relay 6:30-8:00PM (Roger Marks, sponsor)	3) Open 6:30-8:00PM
2) IEEE and Integrity in Standards Development 8:00-9:30PM (Paul Nikolich, sponsor)	4) Open 8:00-9:30PM
	24

5.18 II JTC1/SC6 update - Marks/Thompson 5 09:14 AM

SC6 dual fast track ballot closes 7 March 2006. The outcome is unknown. It has been highly contentious. An ad hoc meeting of the US TAG will occur this week to discuss the outcome of the ballot and items for the SC6 meeting in Prague.

5.19 II China Liaison update - Marks 5 09:15 AM

5 In addition to the issues of the preceding agenda item, there will be a series of meetings in Beijing during April to acquaint the Chinese with the IEEE Standards Association. One item to be discussed is a draft MOU with the CCSA.

10 The CCSA (Chinese Communications Standards Association) is the only independent standards body in China. They sent a delegation to the US in December. Paul Nikolich and Roger Marks met with them. This meeting led to the drafting of an MOU.

5.20 MI P&P update - Sherman 15 09:19 AM

EC

LMSC Policy and Procedures Update

Author:

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

Date: March 6th, 2006

Summary of P&P Activities

- Updated LMSC P&P dated January 4, 2006
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Two P&P revisions ballot conducted
 - Approval votes for Friday
- One new P&P revision being proposed
 - Vote for electronic ballot on Friday
- Three Comment Resolution / Review sessions held
- Support to WG on issues such as documentation numbering
- Interpretations by Paul on topics such as
 - Definition of ‘affiliation’
 - Powers of chair, types of votes, etc

Status on P&P Revisions

Current LMSC P&P Revision Ballots

- WG Plenary (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/doc00522.doc>
 - Allow WG to hold Plenary independent of LMSC
 - Reduce quorum and membership roll of issues
 - Initial intent would not carry
 - Insufficient support
 - Compromise: allow for WG interim meeting without quorum
 - Requires 11 months prior notice if no quorum
 - Vote for approval Friday

- Editorial* (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/bin00243.bin>
 - Addresses assorted editorial issues
 - Vote for approval Friday

* - You must change the file extension from 'bin' to 'pdf' to view the file

Proposed LMSC P&P Revision Ballots

- Document Numbers (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/doc00523.doc>
 - Eliminates entire of Clause 19 on Document number
 - Concerns & Resolutions
 - Groups don't follow the contents of Clause 19 today
 - SA places requirements at PAR time
 - Don't need to reiterate here
 - Don't specify internal document system
 - New documentation server will 'self enforce'
 - Vote to send to ballot on Friday

Other Matters

Comment Resolution / Review

Meetings Conducted

- 5.5 hours total
- 02/09 – Two hours Telecon (1 hour used)
 - WG Plenary
- 02/23 – Two hours Telecon (1 hour used)
 - Editorial
- 03/05 – 3.5 hour Sunday Night ‘P&P Review’
 - Reviewed revisions in process
 - Reviewed ‘Document Numbers’ proposed change
 - Discussed LMSC P&P interpretations for 802.11
 - Powers of chair / Use of Robert’s Rules
 - Types of votes / WG Ballots / Elections / Special votes
 - Meaning of ‘Technical’
 - Discussed definition of affiliation
 - Paul provided formal interpretation of definition in SA Rules

Extract From IEEE SA SB Bylaws

- From Standards Board Bylaws dated Feb 2006

5.2.1.1 Openness

Openness is defined as the quality of being not restricted to a particular type or category of participants. All meetings involving standards development and all IEEE Sponsor ballots shall be open to all interested parties. Each individual participant in IEEE Standards activities shall disclose his or her affiliations when requested. A person who knows, or reasonably should know, that a participant's disclosure is materially incomplete or incorrect should report that fact to the Secretary of the IEEE-SA Standards Board and the appropriate Sponsor(s).



LMSC Chair's Interpretation

- Base interpretation of 'Affiliation' on text in 802.20 WG P&P (Appendix B)
 - http://grouper.ieee.org/groups/802/20/P_Docs/IEEE%20802.20%20PD-05.doc
 - Taken from 'ANSI Essential requirements'
 - <http://public.ansi.org/ansionline/Documents/Standards%20Activities/American%20National%20Standards/Procedures,%20Guides,%20and%20Forms/ER0106.doc>
- Add footnote clarifying meaning of member
 - 'For the purposes of this requirement, "member" is the equivalent of an 802 participant.'

Chair Interpretation of Affiliation*

‘Affiliation’ as used in the IEEE SA Standards board bylaws should be interpreted in accordance with the text below

2.1 Openness

Timely and adequate notice of any action to create, revise, reaffirm, or withdraw a standard, and the establishment of a new consensus body shall be provided to all known directly and materially affected interests. Notice should include a clear and meaningful description of the purpose of the proposed activity and shall identify a readily available source for further information. In addition, the name, affiliation [1] and interest category of each member of the consensus body shall be made available to interested parties upon request.

[1] “Affiliation” refers to the entity that the consensus body member represents (which may or may not be that person’s employer). If the consensus body member is serving in an individual capacity, then the name of the individual, that person’s employer, sponsor and interest category should be available. Contact information is not required.

* - For the purposes of this requirement, “member” is the equivalent of an 802 participant.

EC Motion

To adopt the interpretation of ‘affiliations’ on slide 10 of this presentation and make binding on the members of the LMSC pending further clarification from IEEE-SA

Moved: M. Sherman

2nd: R. O’Hara

For:

Against:

Abstain:

Moved: To adopt and make binding the interpretation of “affiliations” shown below, pending clarification from the IEEE-SA.

5 “Affiliation’ as used in the IEEE SA Standards board bylaws should be interpreted in accordance with the text below.

2.1 Openness

10 Timely and adequate notice of any action to create, revise, reaffirm, or withdraw a standard, and the establishment of a new consensus body shall be provided to all known directly and materially affected interests. Notice should include a clear and meaningful description of the purpose of the proposed activity and shall identify a readily available source for further information. In addition, the name, affiliation [1] and interest category of each member of the consensus body shall be made available to interested parties upon request.

15 [1] “Affiliation” refers to the entity that the consensus body member represents (which may or may not be that person’s employer). If the consensus body member is serving in an individual capacity, then the name of the individual, that person’s employer, sponsor and interest category should be available. Contact information is not required.

20 * - For the purposes of this requirement, “member” is the equivalent of an 802 participant.”

Moved: Sherman/O’Hara
Passes: 15/0/1

5.21 II Architecture Group update - Jeffree 5 09:37 AM

25 Architecture group met Sunday to update the issues list. Good material was received on the commonality of 802 standards and management. Next meeting will start taking on particular issues from the issues list and determine what can be done about them.

5.22 II Joint 802.21/P1900.2 meeting - Shellhammer 2 09:40 AM

Joint Meeting of 802.19 and P1900.2

Steve Shellhammer

P1900.2

- Project 1900.2 was formed in 2005 to develop a Recommended Practice on Coexistence and Interference Analysis
- At the suggestion of the 802 chair (Paul Nikolich) the 802.19 TAG established a Liaison relationship with P1900.2
- The two groups have exchanged several liaison presentations but have never met face-to-face

Opportunity for a Joint Meeting

- The 1900.2 chair (Steve Berger) noticed that the two groups would be meeting the same week within driving distance
 - Week of March 6, 2006
 - IEEE 802.19 in Denver, CO
 - IEEE 1900.2 in Boulder, CO
- So we decided to hold a single joint meeting in Denver on Monday March 6 from 4-6 PM

Joint Meeting

- Scope
 - The scope of this meeting is to exchange information about that ongoing tasks in the two groups
- Purpose
 - The purpose is to identify any potential areas of collaboration
- Benefits to 802
 - It is important for 802.19 to understand the work of 1900.2 so as to avoid duplication of effort
 - In particular, our new PAR mentions P1900.2 as a related project and we want to avoid a conflict

Waver of 802 Registration Fee

- The 802 chair (Paul Nikolich) has agreed to wave the 802 registration fee for members of 1900.2 to attend only this single two-hour joint meeting
- This needs to be confirmed by the executive committee
- The list of people whose registration fee is given on the next slide

List of 1900.2 Members Attending Joint Meeting

- Stephen Berger
- Jim Hoffmeyer
- Todd Martin
- Kalle Konston
- Doug Sicker
- Dale Hatfield
- Dirk Grunwald
- Tim Brown
- John Chapin

Notice of PARs and SGs under consideration

- WG chairs to report
 - PARs reported earlier in the agenda
 - SGs?
 - 802.1-congestion management study group
 - 802.3-call for interest on 10G EPON, potential study group
 - 802.11-extension of contention based protocol sg
 - 802.15-body area networking sg
 - 802.16- extension of mobile multihop relay sg
 - 802.19- extension of coexistence project sg
 - 802.21- pre-authentication project possibility
 - 802.22- extension of protection of low power devices sg

5.24 II Withdrawn PAR - Heile 5 09:44 AM

In the January session 802.15.3a agreed that they were irreconcilably deadlocked. The working group unanimously approved withdrawal of the PAR. It is on the agenda for the Standards Board.

5.25 II notice of Study Groups under consideration - WG chairs 5 09:45 AM

- 5 802.1: congestion management
- 802.3: 10gig EPON
- 802.11: contention based protocol extension
- 802.15: body area networking
- 802.16: mobile multihop relay extension
- 10 802.17: none
- 802.18: none
- 802.19: coexistence project extension
- 802.20: none
- 15 802.21: preauthentication for inter-technology handover
- 802.22: protection of low powered licensed devices extension

5.26 II Appeal status - O'Hara/Nikolich 2 09:50 AM

Appeal update

- Canchi appeal withdrawn 1FEB2006
- Wieczorek/Oprescu/Mollenauer appeal status
 - appeal hearing to be held Wednesday 4-5pm
 - appeal panel: Mat Sherman (chair), Pat Thaler, Mike Takefman
- Yaghoobi/Puthenkulam appeal received 16FEB2006
 - Appellee: Jerry Upton
 - Attempt to informally resolve at this session, else hearing will be scheduled for July 2006 plenary session

Elections

- Leadership elections to be held in all WG/TAGs
- Closing EC meeting
 - Confirmation of Elections
 - Election of 802 LMSC Chair
 - Confirmation of Appointed Members
 - Extension of Member Emeritus position
 - Confirmation of Appointed Individual

Paul indicated that the secretary must have the letter of support before the confirmation in the Friday closing EC meeting.

5.28 II Revised Opening Plenary update - Nikolich 2 09:55 AM

Paul summarized the agenda of the opening plenary meeting.

5.29 ME ITU-R M.1450 - Lynch 5 09:57 AM

5 Mike indicated that review of the document sent to the EC on 25 February is essential to be able to approve a motion on Friday to send the document in order to meet the deadline for ITU submission.

5.30 II Need EC cooperation to meet RevCom submittal deadline - Grow 3 09:58 AM

10 Bob Grow indicated that there are two projects that have not yet had the first sponsor ballot that will probably complete with a single recirculation ballot. In order to meet the June SB agenda deadlines, a shorter EC email ballot will be necessary to grant conditional approval after the first sponsor ballot closes.

One project is the 2005 corrigendum 1 that is only three pages of text.

5.31 II Utilizing ITU-T as an international standardization path - Mills 2 10:05 AM

15 Steve attended a meeting in Geneva with the director of ITU-T to discuss cooperation with ITU-T. IEEE-SA has been invited to join as a sector member, with fees waived. A “shared documents” approach has been suggested as a possible path to international standardization.

Carl Stevenson has volunteered to participate in the effort to investigate this course of action.

5.32 MI Online training cost - Thaler 5 10:10 AM

20 **Moved: To approve an additional \$4,000.00 for on-line training IEEE Standards Process course to cover increased course size.**

Moved: Thaler/Stevenson

25 Pat indicated that we increased the size (number of slides) and time of the course during its development. The vendor has requested that we cover a portion of their increased costs to develop the course.

Passes: 16/0/0

5.33 II JTC1/SC31 update - Heile 2 10:12 AM

30 Bob indicated that SC31 there is an asset tracking project for RFID in 2.4GHz that is similar to 802.15.4a. The 15.4a draft has been distributed to the working party as part of the comment resolution of the current ballot. Bob would like to harmonize the two standards.

5.34 II -

5.35 II -

5.36 II -

5.37 II -

5.38 II -

5.39 II -

5.40 II -

5.41 II -

5.42 II -

5.43 II -

5.44 II -

5.45 II Feedback on Roger Marks EC email ballot process - Nikolich 2 10:15 AM

5.46 DT EC meeting schedule (rules, SA, etc.) - Nikolich 3 10:16 AM

35

EC meetings for the week

- Monday 8-9:30pm continuation of IEEE Standards Development Q&A (Lindsay)
- Tuesday 9-11am reserved (Paul)
- Tuesday 11am-1pm open
- Tuesday 1-3pm Attendance SW and Document Management discussion (Rigsbee)
- Tuesday 4-6pm open
- Wed 8-10am open
- Wed 10-1pm open
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-4pm getIEEE 802 budget review (Hawkins)
- Wed 4-5pm appeal hearing (Sherman)
- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thurs 5-7pm 'open office' (802 Chair Paul Nikolich, Stds Board Chair Steve Mills, IEEE SA Past President Jim Carlo and IEEE Staff Karen Kenney)

ADJOURN SEC MEETING

- **Nikolich**

10:17 AM

Moved: to adjourn.

Moved: Stevenson/Rigsbee

5 Passes: 14/1/0

6.00 PL IEEE 802 PLENARY MEETING STARTS

- **Nikolich**

60 11:00 AM

IEEE802 Monday Plenary Agenda

- 11:00 Welcome Nikolich
- 11:02 802 Overview and Status Update EC members
 - WG/TAG status slides available at www.ieee802.org/minutes/mar2006
- 11.15 open mike Q&A all
- 11:30 SA presentation M Lindsay
- 11:45 Q&A all
- 11:55 General announcements/Meeting Arrangements Rigsbee
- 12:00 ADJOURN

IEEE 802 ORGANIZATION

EXECUTIVE COMMITTEE (EC)

CHAIR
Paul Nikolich

WORKING GROUP/TAG CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Bob Grow

802.11
WLAN
Stuart J. Kerry

802.18 TAG
Radio Regulatory
Mike Lynch

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

802.17
ResPackRing
Mike Takefman

802.19 TAG
Coexistence
Shellhammer

802.20
MBWA
Jerry Upton

802.21
Handoff
AJ Rajkumar

802.22
WRAN
Stevenson

APPOINTED OFFICERS

1st VICE CHAIR
Mat Sherman

2nd VICE CHAIR
Pat Thaler

EXECUTIVE SECY
Buzz Rigsbee

RECORDING SECY
Bob O'Hara

TREASURER
John
Hawkins

**MEMBER
EMERITUS**
Geoff
Thompson

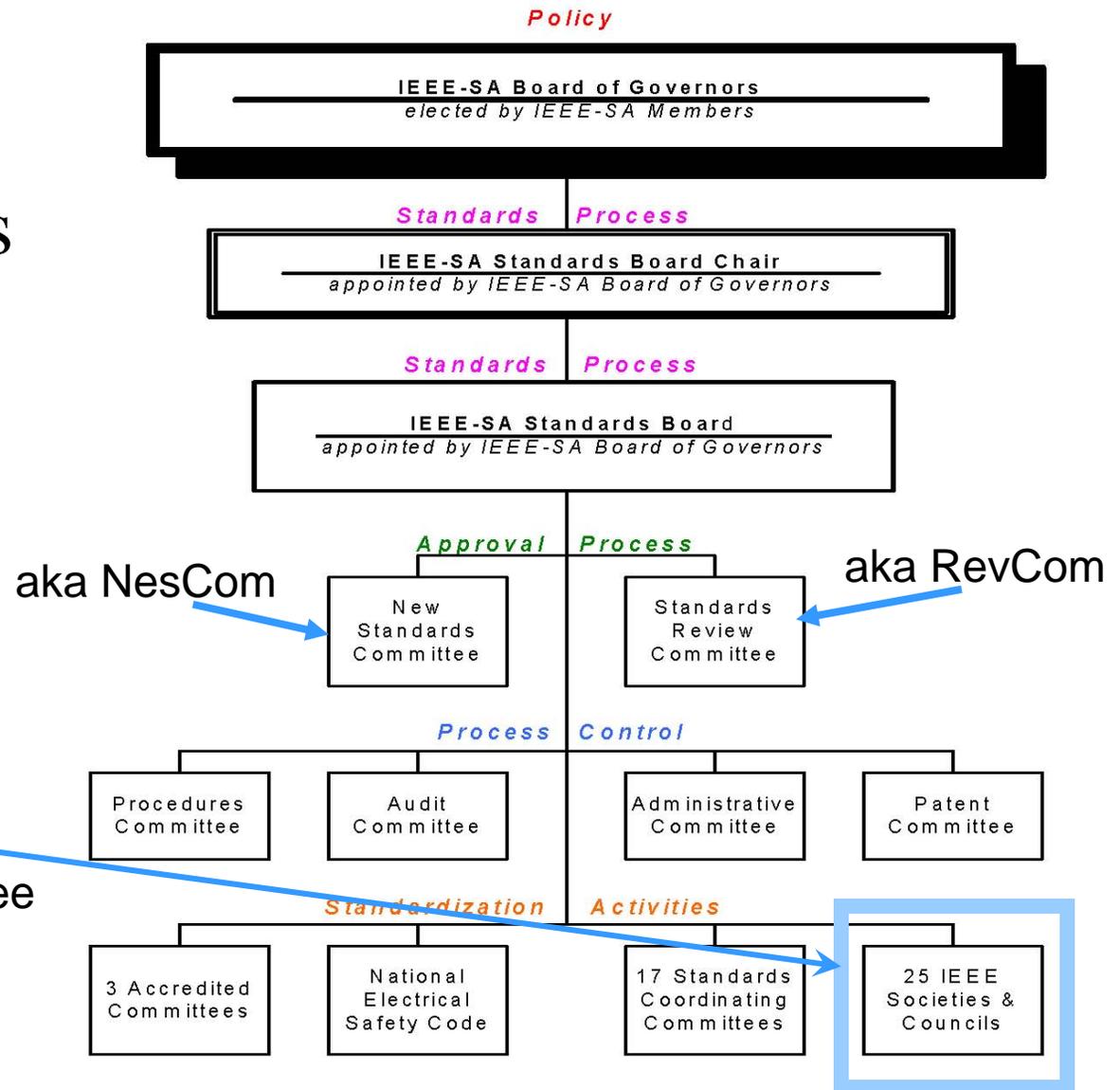
HIBERNATION

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

DISBANDED

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

IEEE Standards Organization



IEEE 802 is here:
a standards committee
formed by the
Computer Society

IEEE Staff Introductions

- **Karen Kenney:** Associate Managing Director, Business Administration
- **Michelle Turner:** Project Editor
- **Michael Fischer:** Program Manager, Document Development
- **Susan Vogel:** Manager, Technical Committee Programs
- **Susan Tatiner:** Associate Managing Director, Technical Program Development
- **Michael Kipness:** Staff Liaison
- **Jennifer McClain Longman:** Managing Editor, Standards Information and Industry Publishing
- **Bob LaBelle:** Manager, Networks and Telecommunications
- **Clyde Camp:** Staff support for 802.11, 802.20, 802.15, 802.3
- **Michael Lindsay:** IEEE SA Counsel

- **Michael Lightner,** IEEE president (will be present at opening plenary meeting)

Awards

- IEEE Std 802.3-2005
 - Pat Thaler, Michael Beck, Geoffrey Thompson, Benjamin Brown, Peter Bradshaw, Shimon Muller, Glen Cramer, David Kabal, David Law, Bob Grow, Piers Dawe
- IEEE Std 802.16f-2005
 - Roger Marks, Philip Barber, Joey Chou,

Patent Policy

(see next four slides)

Instructions for the WG Chair

- **At Each Meeting, the Working Group Chair shall:**
- **Show slides #1 and #2 of this presentation**
- **Advise the WG membership that:**
 - The IEEE's patent policy is consistent with the ANSI patent policy and is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
 - Early disclosure of patents which may be essential for the use of standards under development is encouraged;
 - Disclosures made of such patents may not be exhaustive of all patents that may be essential for the use of standards under development, and that neither the IEEE, the WG, nor the WG Chairman ensure the accuracy or completeness of any disclosure or whether any disclosure is of a patent that, in fact, may be essential for the use of standards under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
 - That the foregoing advice was provided and the two slides were shown;
 - That an opportunity was provided for WG members to identify or disclose patents that the WG member believes may be essential for the use of that standard;
 - Any responses that were given, specifically the patents and patent applications that were identified (if any) and by whom.

IEEE-SA Standards Board Bylaws on Patents

6. Patents

in Standards

IEEE standards may include the known use of essential patents and patent applications provided the IEEE receives assurance from the patent holder or applicant with respect to patents whose infringement is, or in the case of patent applications, potential future infringement the applicant asserts will be, unavoidable in a compliant implementation of either mandatory or optional portions of the standard [essential patents]. This assurance shall be provided without coercion. The patent holder or applicant should provide this assurance as soon as reasonably feasible in the standards development process. This assurance shall be provided no later than the approval of the standard (or reaffirmation when a patent or patent application becomes known after initial approval of the standard). This assurance shall be either:

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

This assurance is irrevocable once submitted and accepted and shall apply, at a minimum, from the date of the standard's approval to the date of the standard's withdrawal.

Inappropriate Topics for IEEE WG Meetings

- Don't discuss the validity/essentiality of patents/patent claims
- Don't discuss the cost of specific patent use
- Don't discuss licensing terms or conditions
- Don't discuss product pricing, territorial restrictions, or market share
- Don't discuss ongoing litigation or threatened litigation
- Don't be silent if inappropriate topics are discussed... do formally object.

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

**This slide set is available at
<http://standards.ieee.org/board/pat/pat-slideset.ppt>**

The (current) version of these slide can
always be found at:

<http://standards.ieee.org/board/pat/pat-slideset.ppt>

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

LMSC Policy and Procedures Update

Author:

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

Date: March 6th, 2006

What are the LMSC P&P?

- P&P is short hand for Policies and Procedures
- LMSC P&P are the ‘rules’ that govern the IEEE 802 LMSC
- LMSC P&P can be found at
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Working groups also have P&P
- Other ‘Governance’ documents from
 - IEEE Standards Association
 - IEEE Computer Society

Summary of P&P Activities

- Updated LMSC P&P dated January 4, 2006
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Two P&P revisions ballot conducted
 - Approval votes for Friday
- One new P&P revision being proposed
 - Vote for electronic ballot on Friday
- Three Comment Resolution / Review sessions held
- Support to WG on issues such as documentation numbering
- Interpretations by Paul on topics such as
 - Definition of ‘affiliation’
 - Powers of chair, types of votes, etc

Current LMSC P&P Revision Ballots

- WG Plenary (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/doc00522.doc>
 - Allow WG to hold Plenary independent of LMSC
 - Reduce quorum and membership roll of issues
 - Initial intent would not carry
 - Insufficient support
 - Compromise: allow for WG interim meeting without quorum
 - Requires 11 months prior notice if no quorum
 - Vote for approval Friday

- Editorial* (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/bin00243.bin>
 - Addresses assorted editorial issues
 - Vote for approval Friday

* - You must change the file extension from 'bin' to 'pdf' to view the file

Proposed LMSC P&P Revision Ballots

- Document Numbers (Matthew Sherman)
 - <http://grouper.ieee.org/groups/802/secmail/doc00523.doc>
 - Eliminates entire of Clause 19 on Document number
 - Concerns & Resolutions
 - Groups don't follow the contents of Clause 19 today
 - SA places requirements at PAR time
 - Don't need to reiterate here
 - Don't specify internal document system
 - New documentation server will 'self enforce'
 - Vote to send to ballot on Friday

Questions?

- Contact Matthew Sherman
 - matthew.sherman@baesystems.com

On Line Training

- On line training should be available starting next week
- Newcomer training instituted this week

Tutorial Schedule

Monday	Tuesday
1) 802.16 Mobile Multihop Relay 6:30-8:00PM (Roger Marks, sponsor)	3) Open 6:30-8:00PM
2) IEEE and Integrity in Standards Development 8:00-9:30PM (Paul Nikolich, sponsor)	4) Open 8:00-9:30PM
	55

EC meetings for the week

- Monday 8-9:30pm continuation of IEEE Standards Development Q&A (Lindsay)
- Tuesday 9-11am reserved (Paul)
- Tuesday 11am-1pm open
- Tuesday 1-3pm Attendance SW and Document Management discussion (Rigsbee)
- Tuesday 4-6pm open
- Wed 8-10am open
- Wed 10-1pm open
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-4pm getIEEE 802 budget review (Hawkins)
- Wed 4-5pm appeal hearing (Sherman)
- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thurs 5-7pm 'open office' (802 Chair Paul Nikolich, Stds Board Chair Steve Mills, IEEE SA Past President Jim Carlo and IEEE Staff Karen Kenney)

IEEE and Integrity in Standards Development

- Michael Lindsay

IEEE and Integrity in Standards Development

Remarks for the 802 Plenary Session

Michael A. Lindsay

Legal Counsel to IEEE

March 6, 2006



Summary

- Review of IEEE Ethics provisions
- Interplay of law and ethics
- IEEE and Intellectual Property
- Indemnification Policy

Fundamentals of IEEE Process

- Due process
- Openness
- Consensus
- Balance
- Right of appeal

IEEE Member Pledge

- “We, the members of the IEEE, in recognition of the importance of our technologies in affecting the quality of life throughout the world, and in accepting a personal obligation to our profession, its members and the communities we serve, do hereby commit ourselves to the highest ethical and professional conduct.”

IEEE Code of Ethics (available at
http://www.ieee.org/portal/site/mainsite/menuitem.818c0c39e85ef176fb2275875bac26c8/index.jsp?&pName=corp_level1&path=about/whatis&file=code.xml&xsl=generic.xsl&)

Member Pledge and Standards

Public Interest Is Paramount

- "accept responsibility in making engineering decisions consistent with the safety, health and welfare of the public"
- "disclose promptly factors that might endanger the public"

Ethics, Conflicts, and Disclosure

- "avoid real or perceived conflicts of interest whenever possible"
- "disclose [conflicts] to affected parties"
- "reject bribery in all its forms"

Ethics, Standards, and Relevant Competence

- "be honest and realistic in stating claims or estimates based on available data"
- "undertake technological tasks for others only if qualified by training or experience, or after full disclosure of pertinent limitations"
- "seek, accept, and offer honest criticism of technical work, to acknowledge and correct errors"

Ethical Behavior and the Law

- members of SDOs “often have economic incentives to restrain competition”
- “the product standards set by such associations have a serious potential for anticompetitive harm”

Allied Tube & Conduit Corp. v. Indian Head, Inc.,
486 US 492 (1988)

Examples of Behavior

- “[T]he steel group voters were instructed where to sit and how and when to vote by group leaders who used walkie-talkies and hand signals to facilitate communication.”
- Each participant in IEEE standards development should his or her own independent and individual judgment

-- Allied Tube

Examples of Behavior, cont'd

- “Few of the steel group voters had any of the technical documentation necessary to follow the meeting.”

-- Allied Tube
- Participants in IEEE standards development should read -- and have the education, training, and background to understand -- technical proposals

Examples of Behavior, cont'd

- "None of them spoke at the meeting to give their reasons for opposing the proposal to approve polyvinyl chloride conduit."
- Participants in IEEE standards development should come to meetings prepared, listen attentively, and actively participate

-- Allied Tube

“[W]e look to see whether the process of standard-setting has been abused to seek an unfair competitive advantage and whether the proposed standard is the product of any anticompetitive conduct on the part of the organization or its members.”

U.S. Justice Department – American Welding Soc’y Business Review Letter (Oct. 7, 2002) (available at <http://www.usdoj.gov/atr/public/busreview/200310.htm>)

The Enforcement Process

- Federal investigations
 - E.g., FTC's *Rambus-JEDEC* investigation
 - Interviews and depositions of participants in standards process
- Private litigation

Some Specific Policies

IEEE and Essential Patents

- Permits (but does *not* require) the known use of essential patents in standards
- Requires disclosure of known patents (yours or anyone else's)
- Early disclosure encouraged
 - Critical to open nature of standard development
- WG Chair calls for disclosure at every meeting

Letters of Assurance

- Chair requests Letter of Assurance from potential IP owner
 - Formal request to for information concerning their patent and whether the patent holder will be willing to license that patent for use on reasonable and nondiscriminatory terms
- Potential responses:
 - Owner has essential patents and that they'll license them on RAND terms
 - Owner has essential patents and won't license them them
 - “Owner” isn't aware of any essential patents

Copyright Policy

- IEEE owns copyright of material published by IEEE, to “enhanc[e] the accessibility, distribution and use of information” and “control the use of its good name”

*IEEE PSPB Operations Manual
8.1.5 IEEE Copyright Policy and
Procedures*

- IEEE policy prohibits “the reuse of someone else’s prior ideas, processes, results, or words without explicitly acknowledging the original author and source”

*IEEE Guidelines for Handling Plagiarism
Complaints*

Trademark Policy

- IEEE emblem is a legally protected trademark
- Can be used only in connection with official business of the IEEE
- Indicates membership in the IEEE
- Use of mark without permission is unlawful
- Consult Guidelines

IEEE Policies 12.1 - Trademark

IEEE Indemnification Policy

- IEEE can indemnify participants *only* “to the extent permitted by law”
- IEEE will indemnify *if Board finds* that participant’s activities “have been duly authorized”
- IEEE does *not indemnify if* Board finds that participant’s activities “have been taken in bad faith or in a manner inconsistent with the purposes or objectives of IEEE”

Some Conclusions

- IEEE – you, the members – have rightly agreed to standards of ethical behavior
- The law encourages compliance with those standards
- The success of the standards development process depends on compliance with ethical standards of behavior

Q&A

- Please step up to one of the microphones set up in the aisles and fire away!
- Q&A will continue this evening in the 8-10:30 tutorial slot

End of Opening Plenary Meeting

5

The meeting was adjourned at 12:13pm

Respectfully submitted,
Bob O'Hara
Recording Secretary

10