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

Monday, November 12, 2007 – 8:00 a.m.

Atlanta, GA

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
John Hawkins	-	Treasurer, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree	-	Chair, IEEE 802.1 – HILI Working Group
Bob Grow	-	Chair, IEEE 802.3 – CSMA/CD Working Group
Stuart Kerry	-	Chair, IEEE 802.11 – Wireless LANs Working Group
Bob Heile	-	Chair, IEEE 802.15 – Wireless PAN Working Group
Roger Marks	-	Chair, IEEE 802.16 – Broadband Wireless Access Working Group
John Lemon	-	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
Arnie Greenspan	-	Chair, IEEE 802.20 – Mobile Broadband Wireless Access
Vivek Gupta	-	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

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		**EC member affiliation updates**	**-**	**Nikolich**	**2**	**08:05 AM**
4.01			**-**			**08:07 AM**
	Category (* = consent agenda)					**08:07 AM**
		Stds Board items				**08:07 AM**
5.00	**II**	**Stds Board Actions (approved projects, standards, withdrawals)**	**-**	**Nikolich**	**2**	**08:07 AM**
5.01	**II**		**-**			**08:09 AM**
5.02	**II**	**PARS to NesCom**	**-**	**Nikolich**	**2**	**08:09 AM**
5.03	**II**	**List of Drafts to Sponsor Ballot**	**-**	**Nikolich**	**2**	**08:11 AM**

5.04	II	List of Drafts to Revcom	-	Nikolich	2	08:13 AM
5.05	II		-			08:15 AM
						08:15 AM
		SA items				08:15 AM
6.00	II	IEEE Staff Introductions	-	Nikolich	2	08:15 AM
6.01	II	802 Task Force update	-	Nikolich	5	08:17 AM
6.02	II		-			08:22 AM
6.03	II	Get IEEE802 program update	-	Kenney	5	08:22 AM
6.04	II	802 attendance software	-	Gilb	5	08:27 AM
6.05	II	Online Training Update	-	Thaler	5	08:32 AM
6.06	II	SA Staff Liaison - Update	-	Kipness	5	08:37 AM
6.07	II		-			08:42 AM
6.08	II		-			08:42 AM
6.09	II		-			08:42 AM
6.10	II		-			08:42 AM
		LMSC items				08:42 AM
						08:42 AM
7.00	II	TREASURER'S REPORT	-	Hawkins	5	08:42 AM
7.01	II	Interpretations	-	Grow	1	08:47 AM
7.02	II	LMSC Email Ballot Recap	-	Nikolich	5	08:48 AM
7.03	MI	LMSC Meeting Fee Waivers	-	Nikolich	2	08:53 AM
7.04	II	Tutorial schedule	-	Nikolich	5	08:55 AM
7.05	II	JTC1/SC6 update	-	Thompson	5	09:00 AM
7.06	II	Lessons learned on meeting minutes requirements	-	Kerry	10	09:05 AM
7.07	II	P&P update	-	Sherman	15	09:15 AM
7.08	II	P&P term limit discussion	-	Jeffree	10	09:30 AM
7.09	II	notice of PARs under consideration	-	WG chairs	5	09:40 AM
7.10	II	notice of Study Groups under consideration	-	WG chairs	5	09:45 AM
7.11	II	Revised Opening Plenary update	-	Nikolich	2	09:50 AM
7.12	II	IEEE Educational and Standards Workshop and ongoing activities	-	McClain	2	09:52 AM
7.13	DT	802.20 sponsor ballot - entity or not?	-	Nikolich	20	09:54 AM
7.14	DT	802.11 Video Transport Stream SG - architecture impact	-	Nikolich	10	10:14 AM
7.15	DT	IEEE-SA press release - IMT-2000 adoption of 802.16 - 802 or SA business	-	Nikolich	10	10:24 AM
7.16	II	Non-North American venue update	-	Rigsbee	10	10:34 AM
7.17	II	Status update on 802 appeals	-	O'Hara	2	10:44 AM
7.18	II	Update on IMT Advanced activities	-	Lynch	5	10:46 AM
7.19	II	Update on ITU-R activities	-	Lynch	5	10:51 AM
7.20	II	802.3 treasury now in concentration banking	-	Grow	2	10:56 AM
7.21	II		-			10:58 AM
7.22	II		-			10:58 AM
7.23	II		-			10:58 AM
7.24	II		-			10:58 AM
7.25	II		-			10:58 AM
7.26	II		-			10:58 AM
7.27	II		-			10:58 AM
7.28	II		-			10:58 AM

7.29	**II**		**-**			**10:58 AM**
7.30	**II**		**-**			**10:58 AM**
7.31	**II**		**-**			**10:58 AM**
7.32	**II**		**-**			**10:58 AM**
7.33	**DT**	**EC meeting schedule (rules, SA, etc.)**	**-**	**Nikolich**	**3**	**10:58 AM**
		ADJOURN SEC MEETING	**-**	**Nikolich**		**11:01 AM**
8.00	**PL**	**IEEE 802 PLENARY MEETING STARTS**	**-**	**Nikolich**	**60**	**11:00 AM**
8.01	**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/Heile
Passes: 15/0/1

3.00	*****	**APPROVE / MODIFY MINUTES OF PREVIOUS MEETING**	**-**	**Nikolich**	**0**	**08:04 AM**

Paul reminded the members present that the election of WG/TAG chairs will take place in March. He also announced that Bob O'Hara will not seek to continue as the recording secretary.

			-			**08:05 AM**
4.00		**EC member affiliation updates**	**-**	**Nikolich**	**2**	**08:05 AM**

Paul asked for any updates of affiliations. Paul indicated that there will be a 30 minute meeting, prior to the first tutorial tonight (Monday), to discuss any changes in the non-conflicted EC membership. The first 15 minutes will be open to all that choose to attend

Moved: to amend the agenda to insert a discussion topic to address this issue of conflict after item 7.03
Moved: Thaler/Marks
9/3/3 Passes

EC Affiliation Update

- Any changes in affiliation among EC members?

Abolish NC-EC?

- Email poll: yes-6, no-3, abs-1
- Authority to abolish rests with NC-SASB, but EC can make a request
- Consider request at closing EC meeting
  - current roster of non-conflicted EC members:
    Paul Nikolich, John Hawkins, Buzz Rigsbee, Bob O'Hara, Mike Lynch, Arnie Greenspan, Geoff Thompson, Tony Jeffree, Bob Heile, John Lemon (qty=10)
  - current roster of conflicted EC members:
    Mat Sherman, Pat Thaler, Bob Grow, Stuart Kerry, Roger Marks, Steve Shellhammer, Vivek Gupta, Carl Stevenson (qty=8)

4.01			**-**			

Category (* = consent agenda)

Stds Board items

5.00	**II**	**Stds Board Actions (approved projects, standards, withdrawals)**	**-**	**Nikolich**	**2**	**08:18 AM**

AUG/SEP 2007
SA Standards Board Actions

Standards Approved

New:
Std 802.1 ag-2007 Connectivity Fault Management (SEP07)
Std 802.16g-2007 Management Plane Procedures and Services (SEP07)

Revisions: none

Reaffirmations:
Std 1802.3-2001 Conformance Test Methodology for IEEE Std 802.3 (SEP07)

Corrigendum: none

Extensions: none

Withdrawals: none

AUG/SEP 2007
SA Standards Board Actions

Projects Approved

New:

P802.1ak-2007/Cor 1 – VBLAN - Multiple Registration Protocol (SEP07)

P802.3az CSMA/CD MAC, PHY and MGMT for Energy-Efficient Ethernet (SEP07)

P802.11z WLAN MAC and PHY Extensions to Direct Link Setup(DLS) (AUG07)

P802.15.4c: Low Rate WPANs-Alternative Physical Layer Extension to support one or more of the Chinese 314-316 MHz, 430-434 MHz, and 779-787 MHz bands (AUG07)

Revisions:

Reaffirmations: none

Extensions: none

Withdrawal:
P802.16-2004/Cor 2 Corrigendum 2 (SEP07)

5.01	**II**		**-**			
5.02	**II**	**PARS to NesCom**	**-**	**Nikolich**	**2**	**08:19 AM**

Draft PARs to NesCom

- **P802.1Qaz:** Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes
- **P802.3ba:** MAC, PHY and MGMT parmaeters for 40 Gb/s and 100 Gb/s Operation
- **P802.15.4e:** Low Rate WPAN Amendment to the MAC sub-layer
- **P802.15.6:** MAC and PHY Specifications forWPANs used in or around a body

5.03	**II**	**List of Drafts to Sponsor Ballot**	**-**	**Nikolich**	**2**	**08:20 AM**

Draft Standards to Sponsor Ballot

- 802.1ah (possible conditional)
- 802.3 none
- 802.11y
- 802.15.3 reaffirmation
- 802.20 (possible conditional)

5.04	**II**	**List of Drafts to Revcom**	**-**	**Nikolich**	**2**	**08:22 AM**

Draft Standards to RevCom

- nothing

5.05	**II**		**-**			
		SA items				
6.00	**II**	**IEEE Staff Introductions**	**-**	**Nikolich**	**2**	**08:25 AM**

IEEE Staff Introductions

- Karen Kenney: 802 Ombudsman and Associate Managing Director,Business Administration
- Michael Kipness: Program Manager, Technical Program Development
- Michelle Turner: Program Manager, Document Development
- Jennifer McClain: Managing Editor, Standards Information and Industry Publishing
- Bob LaBelle: Manager, Networks and Telecommunications
- Clyde Camp: Staff support for myballot and myproject, Consultant
- Chris Sahr: Technical Project Manager, IMAT support

6.01	**II**	**802 Task Force update**	**-**	**Nikolich**	**5**	**08:27 AM**

IEEE-SA/802 Task Force

- SEP07 SASB meeting (SOM: 8:00pm EOM: 9:29pm et)
  - Attendees. In person: Arnie Greenspan, David Law, Dave Ringle, Michael Kipness, Steve Mills, Paul Nikolich, Bob Grow, Clint Chaplain, Geoff Thompson, Glenn Parsons, Claire Topp, Rich Hulett, Joanne Wilson, Mark Epstein, Karen Kenney. On the phone: Jennifer McClain, Stuart Kerry, Roger Marks, Beth Babeau, Barbara Stoler, Pat Thaler, Mike Lynch, Claire Topp?
  - 1) update on SA Educational Activities Board work on Standards - Beth Babeau gave overview of EAB program and answered questions
  - 2) IP Pool and Certification Update - Edward Rashba cannot make the meeting, this was postponed until Nov.
  - 3) discussion on the SASB letter regarding 802.11 and CSIRO – A general discussion conducted. Geoff expressed his concerns on what caused the Board to make the decision on this issue. Steve said they should bring this issue to the BOG to come up with the correct process to address this. RichH and Claire will work together on this.
  - 4) update on other items: (Get IEEE 802 - Kenney) – Deferred to next meeting for the sake of time

IEEE-SA/802 Task Force tentative agenda

- IP solicitation process update - Law?
- Get IEEE 802™ update - Hawkins/Kenney
- Sales of Standards and Drafts Hawkins/Marks
- Attendance Software update - Labelle
- myBallot/myProject update – Kipness
- Ombudsman feedback - Kenney

- Wednesday 1-3pm

Paul asked that the issue of the letter from CSIRO be discussed in the 802 task force meeting this week.

Roger asked if the topic of the sales of standards and drafts would be on the agenda. Paul added this to the task force agenda.

6.02	**II**		**-**			
6.03	**II**	**Get IEEE802 program update**	**-**	**Kenney**	**5**	**08:36 AM**

Get IEEE 802®
Update 19

For LMSC November Plenary

Karen Kenney,
Associate Managing Director,
Business Administration

12 November 2007
Atlanta, GA

Downloads

- Program to date 3,941,975
- Year to date (2007) 579,551
- Weekly average 13,323
- Most requested:
  - 802.11™, .11a, .11b, .11i, .11g
  - 802.3™
  - 802.15.4
  - 802.16, .16e, .1x

Get IEEE 802® Update 19

User Type (Year to Date)

USER	Jan	Feb	Mar	Apr	May	June	July	August	September	October	YTD Total
Academic/Student:	18407	17846	20978	19377	17283	14789	16190	24210	17973	17885	184,938
Attorney/Legal	298	211	272	181	307	272	289	295	288	294	2,707
Other:	6789	5576	111871	6222	6511	5536	7737	7088	5496	6613	169,439
Network equipment manufacturer:	31407	4519	5282	5192	4986	7774	5283	5570	4317	5048	79,378
Public network service provider:	3096	2909	3502	3381	2948	2712	3452	3197	3026	1252	29,475
Network Software Developer/Manufacturer	3407	3236	3517	3968	3494	3222	3477	3853	3522	3694	35,390
Systems Administrator:	1860	1728	2070	1634	2013	1592	1941	2119	2085	1704	18,746
Standards Developer:	1779	1621	1666	1668	1764	1520	2162	1935	1421	1681	17,217
Network silicon manufacturer:	1054	1113	1148	1114	1036	1154	1234	1121	942	1222	11,138
Private network service provider:	1415	1276	1557	1393	1456	1175	1390	1397	1171	3135	15,365
Government:	1231	999	1415	1296	1184	943	1268	1371	935	1396	12,038
Journalist/Analyst/Author	373	324	487	346	437	390	322	396	300	345	3,720
Curious Citizen											-
Total	**71,116**	**41,358**	**153,765**	**45,772**	**43,419**	**41,079**	**44,745**	**52,552**	**41,476**	**44,269**	**579,551**

Get IEEE 802® Update 19

User Type (4/03-10/07)

USER	YTD Total
Academic/Student:	1,348,594
Attorney/Legal	6,119
Other:	600,304
Network equipment manufacturer:	385,103
Public network service provider:	225,503
Network Software Developer/Manufacturer	239,504
Systems Administrator:	169,808
Standards Developer:	120,844
Network silicon manufacturer:	82,598
Private network service provider:	104,456
Government:	97,774
Journalist/Analyst/Author	37,409
Curious Citizen	74
Total	**3,418,090***

- **Unknown 523,885 User stat data unavailable until 4/03.**

IEEE

Program Entries

July 2007 – December 2007 None

IEEE Std	On or about*
802.16/Conformance04-2006	15 Jan 08
8802-11/Amd6:2006	31 Jan 08
802.11-2007	12 Jun 08
802.1ak-2007	22 Jun 08
802.3ap-2007	22 May 08

*** Based on one-year wait period**

Approvals

IEEE Std	Tentative Pub Date
802.1ag	19 Dec 2007
802.16g	26 Oct 2007

Reminders/Updates

- Recommend for 2008, status quo for Get IEEE802™. BOG approved this at August BOG teleconference pending approval of minutes at December's BOG Meeting.
- Updated financial analysis on P&L project. BOG FinCom reviewed and recommended more analysis.
- Develop revenue recommendations for 2009 and beyond, TBD

Reminders/Updates

- Recommend for 2008, status quo for Get IEEE802™ - BOG tentative approval at August BOG teleconference pending approval of minutes at December BOG Meeting.
- Updated financial analysis on P&L project. – Reviewed by BOG FinCom. More analysis recommended. On track for early next year's discussion.
- Develop revenue recommendations for 2009 and beyond, TBD

Thank you

questions?

Geoff asked when are the IEEE gong to contribute financially to our meeting their “grand social mission”?

6.04	**II**	**802 attendance software**	**-**	**Gilb**	**5**	**08:43 AM**

Project: IEEE P802 LAN/MAN Standards Committee

Submission Title: [November 2007 Attendance Software Development Update]
Date Submitted: [12 November 2007]
Source: [James P. K. Gilb]
Company [SiBEAM]
Address [555 N Mathilda Ave Ste 100, Sunnyvale, CA 94085]
Voice: [[1]+1 408 245 3120, [2]+82-2-526-4065], FAX: [], E-Mail: [last name at ieee dot org]
Re: []

Abstract: [Status of attendance software development for November 2007]

Purpose: []
Notice: This document has been prepared to assist the IEEE 802. 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 IEEE 802.

Report on September alpha test

- IMAT software overloaded server on first day
  - Switched to backup (older) system Mon. afternoon
  - However, able to gather useful information
  - Main issue was load testing had not been done
- Problem identified and fixes applied
  - 5 weeks of performance testing
  - Request for server to add 1 GB RAM

November Meeting Schedule

- Restricted beta test - Postponed
  - Ask for “stress test” at the end of the Atlanta 802 opening plenary
- REMINDER: All participants need to sign up for an IEEE Web Account and indicate their Activity Area in myProject *if they have not already done so*
  - Must be completed by the end of the meeting
  - Attendance will not be recorded otherwise
  - Detailed instructions have been delivered to the EC
- IMAT walkthrough for WG chairs/vice chairs during the week
  - What is the best time?

Additional Information

Kona summary

- Registration in IMAT system (308 total)
  - 802.15 primary interest: 111
  - 802.11 primary interest: 197
- C. Camp supported approximately 100 during the day plus 53 others via email (with some overlaps and repeats)
  - Appears that 1/4 to 1/3 using the system needed help
  - Confirmed with a spot check of 802.15.3c PM2 – out of ~40 in the room, ~10 had had problems.
  - Too many, but majority had no problems and this was the first use for many.

Positive points about IMAT

- A random sampling of about 20 people on Tuesday and Wednesday (who had previously been at the help desk) was uniform in their liking the way the attendance looked and operated once the initial problems were overcome.

Main problems

- IMAT Local system taken off line approximately 4pm on Monday the 17th
  - 442 successful logins to 802.11 breakouts
  - 230 to 802.15 breakouts.
- The problems encountered can be roughly grouped into the following classes:
  - Class 1: Too many people without Web Accounts and/or myProjectTM Activity Profiles
  - Class 2: Bugs within the IMAT software
  - Class 3: Server performance using IMAT software
  - Class 4: Missing components (under development and never intended for this test)

Problem Class 1

- Causes:
  - People not in myProject™ and/or without Web Accounts (all participants need to be registered in myProject™)
  - An IMAT Central bug which only reported those in WGs but not in Projects (now corrected).
- In Atlanta
  - Participants need to be in myProject™ system by the end of the week (November 16) for attendance credit.
  - Presentations have been distributed to the four affected Atlanta WGs to explain IMAT/myProject™
  - A more organized IMAT/myProject™ Help Desk from Sunday through Thursday.

Problem Class 2

- True bugs in the IMAT software.
- Two bugs that could be duplicated
  - Now corrected, one prior to Kona meeting start
- Three additional intermittent bugs that could not be duplicated
  - The latter are most likely related to Problem Class 3.

Problem Class 3

- Worst problem, test had to be terminated
  - Server (Newton) became overloaded and slowed to the point of uselessness.
  - In part, due to the dynamic page generation of IMAT spawning too many processes
  - in part, by Newton's configuration that allowed excessive processes to be created without protecting other services.
- In retrospect, load testing had not been adequately done.

Problem Class 3 Testing

- After the close of the Kona meeting, the IEEE SA paid for expediting Newton back to Portland to begin load testing as soon as possible.
  - The analysis and testing was under the auspices of Walter Pienciak, the SA's IT team and the developer.
  - Tested the actual code, server configuration, use of static vs dynamic pages and other performance issues.
- Five weeks of intense scrutiny and analysis
  - Used test applications (initially Flood, later Jmeter)
  - System stressed to failure point for each new code release.

Problem Class 3 Solution

- As a result of these tests
  - Code and configuration optimizations were made
  - A recommendation to Verilan to add at least an additional 1 GB of RAM (currently 1 GB of RAM).
- Even without this additional RAM, we have high confidence that code and configuration optimizations that we have now made have resulted in a system that will perform more than adequately in Atlanta with room to add other WGs in future meetings.

Class 4 issues

- Some components that had not been implemented yet
  - Primarily the meeting planner interface and reciprocal rights credit assignment
  - Not intended to be tested at that time, but the chairs, were expecting them.
- Both of these have now been implemented
  - Only 802.15 supplied sufficient historical data in time to test the meeting planner interface.
- Numerous other minor changes have been implemented involving navigation, help pages and overall look and feel.

A meeting to view a walk-through of the IMAT software was scheduled for Wednesday 9-10am.

6.05	**II**	**Online Training Update**	**-**	**Thaler**	**5**	**08:51 AM**

No report.

6.06	**II**	**SA Staff Liaison - Update**	**-**	**Kipness**	**5**	**08:51 AM**

Staff Liaison Update

Michael Kipness

12 November 2007

Staff Liason Update

- Concentration Banking:
- Dec 2007 ProCom Agenda – Effective 2008, language proposed to mandate concentration banking for “All IEEE standards development committees that intend to have or have bank accounts are required to use the IEEE Concentration Banking Program as their only bank account...” For 802, this means 802.11/802.15 bank account will need to become compliant.
-

L-50-S

- L-50-S:
- Reminder 2008 L-50-S process starting in December. The 2006 L50S reporting process was required to be completed by the working group chair, the society liaisons, and the sponsor chairs. For 2007 year-end L50S reporting process requires that only the sponsor chair complete this on behalf of all their developing groups. Reports are due 6 March 2008.

6.07	**II**		**-**			
6.08	**II**		**-**			
6.09	**II**		**-**			
6.10	**II**		**-**			
		LMSC items				
7.00	**II**	**TREASURER'S REPORT**	**-**	**Hawkins**	**5**	**08:55 AM**

DRAFT

IEEE Project 802
Statement of Operations
Jul 2007 Plenary Session
San Francisco, CA
As of Nov 11, 2007

Session Income				dB	Est/*Act*		Budget	Deviation
	Net Registrations				*1,611*		1,200	411
73.5%	1184 Early Registrations	@	$400	$ 473,600				
	18 Early cancellations	@	$400	(7,200)				
	34 Cancellations	@	$350	(11,900)				
26.2%	422 Registrations	@	$500	211,000				
	1 Cancellation	@	$450	(450)				
	0 Special Cancellation	@	$500	0				
0.2%	4 Student	@	$150	600				
0.1%	1 Special Registration	@	$500	500				
	4 Other credits	@	$100	(400)				
	Registraion Subtotal			$ 665,750	$ 663,750		$ 512,664	$ 151,086
	0 Deadbeat Payment	@	$500		0		0	0
	Interest				176		200	(24)
	Other (Hotel comps and commission)				*69,409*		50,000	19,409
TOTAL Session Income					$ 733,335		$ 562,864	$ 170,471

Session Expenses	Est/*Act*		Budget	Deviation
Audio Visual Rentals	*16,749*		18,000	1,251
Audit	*0*		6,000	6,000
Bank Charges	450		500	50
Copying	2,776		3,500	724
Credit Card Discounts & Fees	*19,778*		14,355	(5,424)
Equipment Expenses	*0*		11,000	11,000
Get IEEE 802 Conttribution	*116,925*		90,000	(26,925)
Insurance	*0*		0	0
Meeting Administration	*92,036*		75,064	(16,972)
Misc Expenses	*3,641*	*	2,500	(1,141)
Networking	*71,705*		60,000	(11,705)
Other Expenses	*5,600*	**	5,600	0
Phone & Electrical	*736*		2,500	1,764
Refreshments	*170,192*		120,500	(49,692)
Shipping	*8,672*		15,000	6,328
Social	*114,966*		45,000	(69,966)
Supplies	*1,110*		1,500	390
TOTAL Session Expense	$ 625,335		471,019	(154,317)
NET Session Surplus/(Deficit)	107,999		91,845	16,154
Analysis				
Refreshments per registration	106		100	(5)
Social per registration	71		38	(34)
Meeting Admin per registration	57		63	5
Surplus/(Loss) per registration	67		77	(9)

* Misc items: Hotel gratuity 802.20 travel reimb

** Oher expenses: Online Education hosting/development contract

Cash recognized on hand as of Oct 31, 2007	$ 766,695	
Reserve for unpaid expenses for prior sessions	(450)	
Reserve for other outstanding commitments	(2,000)	CD production
Income received for current session	(300)	
Expenses prepaid for current session	39,624	
Expenses prepaid for future sessions	0	
Operating Reserve following this session	$ 803,569	

DRAFT

IEEE Project 802
Estimated Statement of Operations
November 2007 Plenary Session
Atlanta, GA
As of November 11, 2007

Meeting Income	*Estimate*	*Budget*	*Variance*
Registrations	**1,331**	1,200	131
Registration income	**572,330**	519,600	52,730
Cancellation refunds	**(10,302)**	(9,353)	
Deadbeat collections		0	0
Bank interest	**300**	60	240
Other income (commissions & comps)	**40,000**	40,000	0
TOTAL Meeting Income	**602,328**	550,307	52,021

Meeting Expenses	*Estimate*	*Budget*	*Variance*
Audio Visual Rentals	**20,000**	20,000	0
Audit	**0**	0	0
Bank Charges	**500**	500	0
Copying	**4,500**	4,000	(500)
Credit Card Discount	**16,025**	14,549	(1,476)
Equipment Expenses	**15,000**	15,000	0
Get IEEE 802 Contribution	**125,000**	125,000	0
Insurance	**0**	0	0
Meeting Administration	**81,348**	75,064	(6,284)
Misc Expenses	**2,000**	2,000	0
Network	**70,000**	60,000	(10,000)
Phone & Electrical	**2,500**	2,500	0
Refreshments	**130,000**	120,500	(9,500)
Shipping	**9,000**	6,500	(2,500)
Social	**45,000**	45,000	0
Supplies	**1,500**	1,500	0
Other Discounts		0	0
TOTAL Meeting Expense	**522,373**	492,113	(30,261)
Other Income/Expense			
NET Meeting Income/Expense	**79,955**	58,194	21,761
Analysis			
Refreshments per registration	**98**	100	3
Social per registration	**34**	38	4
Meeting Administration per registra	**61**	63	1
Networking per registration	**53**	50	(3)
Get IEEE 802 Contribution per regis	**94**	**104**	10
Surplus/Deficit per registration	**60**	48	12

Previous operating reserve	**803,569**
NET Meeting Income/Expense	**79,955**
Projected operating reserve	**883,524**

John pointed out that there is a $2,000 discrepancy that he needs to investigate this week. John believes that this discrepancy is a “charge back”, due to individuals cancelling their registration with their creditcard company. The correct method for cancelling a registration, as agreed on the web registration page, is cancelling directly with Face to Face Events.

7.01	**II**	**Interpretations**	**-**	**Grow**	**1**	**09:08 AM**

Bob Grow pointed out that the EC is required to approve all interpretations. He will bring a request for approval of all 802.3 interpretations.

7.02	**II**	**LMSC Email Ballot Recap**	**-**	**Nikolich**	**5**	**9:10 AM**

LMSC Email Ballot Recap

			yes/no/abs/dnv
•	10OCT	Electronic distribution of STDS (O'Hara)	07/09/0/1
•	15OCT	Withdraw 1802.3 (Grow)	16/0/0/1
•	22OCT	Approve CD-ROM STDS distribution (O'Hara)	16/0/0/1

7.03	**MI**	**LMSC Meeting Fee Waivers**	**-**	**Nikolich**	**2**	**09:11 AM**

Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
  - IEEE-SA Staff Participants (7 as per previous slide)
  - Invited Participants
    - Arnie Greenspan (dot20)
  - Speaker for Vivek updated on Java 307 on Mobility

Moved: to approve the listed meeting fee waivers.
Moved: Rigsbee/Lynch

Passes: 15/0/1

7.03a: DT Discussion of issue related to non-conflicted EC 9:15 am

A discussion on the issues of determining the presence of a conflict of interest was held, to help establish a ground for the meeting of the non-conflicted EC this evening.

7.04	**II**	**Tutorial schedule**	**-**	**Nikolich**	**5**	**09:36 AM**

Tutorial Schedule

Monday	Tuesday
1)Data Center needs for I/O Consolidation 6:30-8:00PM sponsor: Thaler	**3) Emergency Svcs for 802 CFI** 6:00-7:30PM sponsor: Nikolich
2) The Next Generation of Ethernet 8:00-9:30PM sponsor: Grow	**4) RFID PHY/MAC Issues and Recommendations** 7:30-9:00PM sponsor: Kerry
	4) WPAN/WLAN/WWAN Multi-Radio Coexistence 9:00-10:30PM sponsor: Kerry

7.05	**II**	**JTC1/SC6 update**	**-**	**Thompson**	**5**	**09:38 AM**

JTC1/SC6 update

Geoff Thompson
to
IEEE 802 SEC
November 11, 2007

RE: ISO/IEC 8802-1 Revision

- Going through PDTR Ballot
- Ballot has closed (July 27, 2007)
- Country votes
  - NO: China, France
  - Abstain: Spain
  - YES: All others
- Comment resolution mtg in UK
  Feb. 20-22, 2008

Comments

- China submitted 55 comments similar to previous submissions
- France comment: Scrap agreement and become Class A Liaison (i.e. recognized by ISO/IEC as international SDO like ETSI)
- US submitted APPROVE comments (just support & suggestions for editorial tweaks)

802 will be prepared to update Annex B List of Approved Standards (i.e. proposed for “Endorsement”)

- (List appended to distribution of these slides)

All 802.3 ISO unfinished projects deleted

- 8802-3-A1 SPECIFIC LANS CSMA/CD
  Edn 7 10 Gb/s operation

- 8802-3-A2 SPECIFIC LANS CSMA/CD
  Edn 7 DTE power via MDI

- 8802-3-A3 SPECIFIC LANS CSMA/CD
  Edn 7 Maintenance 7

- 8802-3-A4 SPECIFIC LANS CSMA/CD
  Edn 7 Type 10GBASE-CX4

IEEE 802.1 Standards for Overview and Architecture

IEEE 802-2001 IEEE Standard for Local and Metropolitan Area Networks - Overview and Architecture

IEEE Std 802a-2003 IEEE Standard for Local and Metropolitan Area Networks - Overview and Architecture - Amendment 1 Ethertypes for Protype and Vendor-Specific Protocol Development

IEEE Std 802b-2004 IEEE Standard for Local and Metropolitan Area Networks - Overview and Architecture - Amendment 2 Registration of Object Identifiers

IEEE 802.1 Standards for LAN/MAN Bridging & Management

IEEE 802.1AB-2005 IEEE Standard for Local and metropolitan area networks -Station and Media Access Control - Connectivity Discovery

IEEE 802.1D-2004 IEEE standard for local and metropolitan area networks -Media access control (MAC) Bridges (Incorporates IEEE 802.1t-2001 and IEEE 802.1w)

IEEE 802.1F-1993, IEEE Standard for Local and Metropolitan Area Networks -Common Definitions and Procedures for IEEE 802 Management Information

IEEE 802.1G, 1998 Edition (ISO/IEC15802-5:1998) IEEE Standard for local and metropolitan area networks - Common specifications - Part 5 Remote Media Access Control (MAC) bridging

IEEE 802.1H, 1997 Edition (TR11802-5:1997) IEEE Technical Report and Guidelines - Part 5 Media Access Control (MAC) Bridging of Ethernet V2.0 in Local Area Networks

IEEE 802.1Q-2005 IEEE Standards for Local and Metropolitan Area Networks -Virtual Bridged Local Area Networks - Revision.

IEEE 802.1ad-2005 IEEE Standards for Local and metropolitan area networks - Virtual Bridged Local Area Networks - Revision - Amendment 4 Provider Bridges

IEEE 802.1X-2004 IEEE Standards for Local and metropolitan area networks—Port-Based Network Access Control

IEEE 802.2 Standards for LAN/MAN Logic Link Control

IEEE 802.2, 1998 (ISO/IEC 8802-2:1998) IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 2 Logical Link Control

IEEE 802.3 Standards for LAN/MAN CSMA/CD Access Method

IEEE 802.3-2005 IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 3 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications.

IEEE 1802.3-2001 IEEE Conformance Test Methodology for IEEE Standards for Local and Metropolitan Area Networks - Specific Requirements - Part 3 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications (Incorporates IEEE Std 1802.3d)

IEEE 802.5 Standards for LAN/MAN Token-Ring Access Method

IEEE 802.5, 1998 Edition (ISO/IEC 8802-5:1998) IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 5 Token Ring Access Method and Physical Layer Specification

IEEE 802.5c-1991, Supplement to 802.5-1989, Recommended Practice for Dual Ring Operation with Wrapback Reconfiguration

IEEE 802.5r and IEEE 802.5j, 1998 Edition (ISO/IEC 8802-5:1998/Amd.1) Local and metropolitan area networks - Specific Requirements - Part 5 Token ring access method and physical layer specifications - Amendment 1 Dedicated Token Ring Operation and Fibre Optic Media

IEEE 802.5t-2000, IEEE Standard for Local and metropolitan area networks -Specific requirements - Amendment to Part 5 Token Access Method and Physical Layer Specifications to support 100 Mbit/s Dedicated Token Ring (DTR) operation.

IEEE Std 802.5v-2001, IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 5 Token Ring access method and Physical Layer specifications - Amendment 5 Gigabit Token Ring operation

IEEE Std 802.5w-2000 (Corrigendum to IEEE Std 802-5:1998 including (ISO/IEC 8802-5:1998/Amd.1:1998) Local and metropolitan area networks - Part 5 Token ring access method and physical layer specifications - Corrigendum 1

IEEE 802.11 Standards for LAN/MAN Wireless LANS

IEEE 802.11, 1999 Edition (ISO/IEC 8802-11 1999) IEEE Standards for Information Technology - Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Network - Specific Requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

IEEE 802.11a-1999 (8802-11:1999/Amd 1:2000(E)) 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 - Amendment 1 High-speed Physical Layer in the 5 GHz band

IEEE 802.11b-1999 Supplement to 802.11-1999, Wireless LAN MAC and PHY specifications Higher speed Physical Layer (PHY) extension in the 2.4 GHz band

802.11b-1999/Cor1-2001, 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 -Amendment 2 Higher-speed Physical Layer (PHY) extension in the 2.4 GHz band - Corrigendum 1

IEEE 802.11d-2001, Amendment to IEEE 802.11-1999, (ISO/IEC 8802-11) 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 Specification for Operation in Additional Regulatory Domains

IEEE 802.11e-2005, 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 - Amendment 8 Medium Access Control (MAC) Quality of Service Enhancements

IEEE 802.11F-2003 IEEE Recommended Practice for Multi-Vendor Access Point Interoperability via an Inter-Access Point Protocol Across Distribution Systems Supporting IEEE 802.11 Operation

IEEE 802.11g-2003 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 -Amendment 4 Further Higher-Speed Physical Layer Extension in the 2.4 GHz Band

IEEE 802.11h-2003 IEEE Standard for Information technology - Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Part 11 Wireless LAN Medium Access Control (MAC)
and Physical Layer (PHY) Specifications Spectrum and Transmit Power Management Extensions in the 5GHz band in Europe

IEEE 802.11i-2004 Amendment to IEEE Std 802.11, 1999 Edition (Reaffirmed 2003). IEEE Standard for Information technology - Telecommunications and information exchange between system - Local and metropolitan area networks - Specific requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications - Amendment 6 Medium Access Control (MAC) Security Enhancements

IEEE 802.11j-2004 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 -Amendment 7 4.9 GHz - 5 GHz Operation in Japan

IEEE 802.15 Standards for Wireless Personal Area Networks

IEEE 802.15.1-2005 IEEE Standard for Information technology - Telecommunications and information exchange between systems -Local and metropolitan area networks - Specific requirements - Part 15.1 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks

IEEE 802.15.2-2003 IEEE Recommended Practice for Telecommunications and Information exchange between systems - Local and metropolitan area networks Specific Requirements - Part 15.2 Coexistence of Wireless
Personal Area Networks with Other Wireless Devices Operating in Unlicensed Frequency Band

IEEE 802.15.3-2003 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 15.3 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN)

IEEE 802.15.3b-2005 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 15.3b Wireless Medium Access Control(MAC) and Physical Layer (PHY)Specifications for High Rate Wireless Personal Area Networks (WPANs) Amendment 1 MAC Sublayer

IEEE 802.15.4-2003 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 15.4 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (LR-WPANs)

IEEE 802.16 Standards for LAN/MAN Broadband Wireless LANS

IEEE 802.16 Conformance 01-2003 IEEE Standard for Conformance to IEEE

802.16 Part 1 Protocol Implementation Conformance Statement (PICS) Proforma for 10-66 GHz WirelessMAN-SC Air Interface

IEEE 802.16 Conformance 02-2003 IEEE Standard Conformance to IEEE Std

802.16 Part 2 Test Suite Structure and Test Purposes for 10-66 GHz WirelessMAN-SC Air Interface

IEEE 802.16 Conformance 03-2004 IEEE Standard Conformance to IEEE Std

802.16 Part 3 Radio Conformance Tests (RCT) for 10 - 66 GHz Wireless MAN-SC - Air Interface

IEEE 802.16-2004 IEEE Standard for Local and metropolitan area networks Part 16 Air Interface for Fixed Broadband Wireless Access Systems

IEEE 802.16.2-2004 IEEE Recommended Practice for Local and metropolitan area networks - Coexistence of Fixed Broadband Wireless Access Systems

IEEE 802.16f-2005 IEEE Standard for Local and Metropolitan Area Networks - Part 16 Air Interface for Fixed Broadband Wireless Access Systems - Amendment 1 - Management Information Base

IEEE 802.16e-2005 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 Fixed and Mobile Operation in Licensed Bands.

IEEE 802.17 Standards for LAN/MAN Resilient Packet Rings

IEEE 802.17-2004 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 17 Resilient packet ring (RPR)access method and physical layer specifications

IEEE 802.17a-2004 IEEE Standard for Local and Metropolitan Area Networks Media Access Control (MAC) Bridges - Amendment 1 Bridging of IEEE Std 802.17

7.06	**II**	**Lessons learned on meeting minutes requirements**	**-**	**Kerry**	**10**	**09:46 AM**

10. Agenda Item 4.6.1. IEEE Patent

10.1. Bruce Kraemer joined the top table for this agenda item.

10.2. Bruce Kraemer and Stuart Kerry have been directed by Paul Nikolich to present this information following a meeting with IEEE counsel. It was during the March 2007 meeting where a member came forward and mentioned a potential patent related issue regarding CSIRO. The chair then sent the required documentation to CSIRO. To date, the chair has not received the LoA from CSIRO.

10.3. Please note that no one at the top table (Stuart Kerry, Bruce Kraemer, Stephen McCann, Al Petrick or Harry Worstell) is allowed to give you any legal counsel on this issue.

10.4. The information from Paul Nikolich states:

10.5. "Members of 802.11 have previously indicated to the chair that they believe CSIRO to hold patents potentially essential to 802.11. Letters requesting an LOA have been forwarded but there has been no response.

The situation has been under consideration by 802 and since this is a 802 plenary meeting, several IEEE 802 SA officials have continued discussions this week.

Late Thursday night we had a discussion with Paul Nikolich that indicated the IEEE lawyer had investigated the claims of CSIRO and was preparing a summary that would be made available to 802 and especially 802.11.

This morning at 7:30am we received the following notification from Paul.

You may wish to seek advice from your legal counsel in connection with your decision to read (or not read) the information displayed on the URL.

Dear Stuart,

As per the March 2007 802.11 plenary session minutes [1], members of the 802.11 Working Group have been made aware of a "possible patent overlay" from CSIRO. Since March, additional information has become available regarding the patent holder and can be obtained at http://www.ieee802.org/CSIRO-Patent-Memo-19JUL2007.pdf for consideration in the future development of 802.11 standards. Please pass this information along to your Working Group during this morning's (20JUL2007) 802.11 meeting.

Regards,
--Paul Nikolich
IEEE 802 LMSC Chairman

[1] http://grouper.ieee.org/groups/802/11/Minutes/Cons_Minutes_Mar-2007.pdf

Again, you may wish to seek advice from your legal counsel before deciding to read (or not read) the information displayed on the URL.

Additionally, as you are aware, TGn is currently planning to complete the current round of comment resolution during September and then proceed to WG recirculation ballot on Draft 3.0. We want everyone to be cognizant of the situation prior to considering approval to proceed to the next letter ballot.
Notification today should allow adequate time for all to consider the implications.

After discussions with Paul and in consideration of this evolving situation we want to clarify the balloting procedure to be used by TGn during the September interim.

Note that the options being recited are dependent upon the completion of comment resolution.

Should there be a quorum present at the September interim the decision to proceed to letter ballot will be decided during the meeting.
If the ballot request is approved in session, TGn Draft 3.0 will be issued for a 15 day recirculation ballot as soon as it is prepared.

Should there not be a quorum present but a majority request the ballot release, the chair will authorize a WG 15 day procedural electronic ballot to confirm the balloting request motion.
If the procedural ballot passes, TGn Draft 3.0 will be issued for a 15 day recirculation ballot.

If approval to ballot is not obtained, discussions will continue in the November plenary.

Are there any questions?"

A short discussion indicated that minutes may be reviewed by IEEE staff and revisions may be requested.

7.07	**II**	**P&P update**	**-**	**Sherman**	**15**	**10:19 AM**

This item was addressed out of order (after subsequent items) with unanimous consent of the EC.

EC Update on LMSC Policy and Procedures

Author:

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

Date: November 12th , 2007

Summary of P&P Activities

- **AudCom approved P&P Posted 10/2/07!**
  - http://standards.ieee.org/board/aud/LMSC.pdf
- Editorial update posted 10/6/07
  - Based on comments from users
- Additional Editorial update provided 11/10/07
  - Addressed additional user comments
- Held Sunday Night P&P Review covering
  - Discussed P&P issues for this session
  - Discussed multiple desired P&P updated

Status on AudCom Issues

Status on AudCom issues (1/2)

- AudCom accepted our P&P conditionally
  - Mandated restructuring of P&P by end of 2008
  - Should more closely resemble Audcom baseline P&P
    - Mapping of sections
    - Less material
- EC decided to create Operation Manual
  - Absorb ‘excess’ material from P&P restructuring
  - Allow more rapid adaptation of LMSC rules
    - Audcom only allows P&P update one per year
- Mat Sherman has submitted draft restructuring of P&P
  - Draft still needs additional work
  - Still need Operations Manual
- Bob Grow submitted suggested ‘remapping’ of and restructuring recommendations

Status on AudCom issues (2/2)

- Decision at P&P review that
  - No votes on restructured P&P this session
  - Address other P&P issues as identified during restructuring
  - We have a long way to go!

Other Matters

Sunday P&P Review Meeting (1/2)

- About 3.5 hours
- Discussed key issues for this session
  - How to interpret the LMSC P&P
  - Interpretation for 'Term Limit' rules in P&P
- Made recommendations to chair
  - Use Robert's if must interpret, but avoid
  - Use conservative interpretation of text if do interpret
    - 8 years + 1 day = Need 75% vote to be allowed to run
- Discussed adding text in P&P for interpretation
  - Views Split
    - 2 EC members – EC determines (approves) interpretation
    - 8 EC members – The Chair interprets P&P
  - Request Stawpoll on this issue of entire EC

Sunday P&P Review Meeting (2/2)

- Discussed updating text in P&P for press releases
  - AudCom baseline P&P already requires approval by EC of press releases by subgroups
  - Does not prevent IEEE-SA and above from issuing press release without EC approval
- Discussed updating text in P&P on term limits
  - General concensus on modified text presented by tony
- Discussed P&P restructuring
  - Agreed other issues (such as term limits and interpretations) should be addressed during restructuring
  - A number of issues with AudCom baseline P&P were identified that will be fed back to AudCom
  - Reviewed Inputs by Bob Grow
  - Reviewed Inputs by Mat Sherman
  - Ran out of steam….
  - We have a long way to go here

Straw Poll for EC Voting Members

- Do you prefer that
  - A) Interpretations be determined (approved) by EC
  - B) The EC Chair rules on ambiguities in the P&P
    - Can be appealed to bring to floor

Voting results

A – 0

B - 12

0 favored the first option
12 favored the second option

7.08	**II**	**P&P term limit discussion**	**-**	**Jeffree**	**10**	**09:56 AM**

Tony brought the issue of how to interpret the current language in the P&P regarding term limits. He summarized the discussion of the rules meeting on Sunday night as "it would be recommended to have the chairs obtain the support of their WG/TAGs to allow them to seek reelection in March, if they believe they might run for reelection at that time."

Bob O'Hara asked for a ruling on the meaning of the P&P with regard to the term limits of WG/TAG officers.

Paul ruled that the P&P with regard to term limits means that a chair must have 75% approval of the members voting (Y/(Y+N)) to seek reelection, if they have been in office for more than 8 years plus one day.

Tony asked for ruling on the P&P as to the term limit applicability to the vice chair seeking a chair position, with regard to the same term limits.

Paul ruled that the policy applies only to an office, individually, i.e., time served in one office does not count against time served in another office.

7.09	**II**	**notice of PARs under consideration**	**-**	**WG chairs**	**5**	**10:24 AM**

Done previously.

7.10	**II**	**notice of Study Groups under consideration**	**-**	**WG chairs**	**5**	**10:25 AM**

Status of Study Groups

- WG chairs to report
  - SGs?
    - 802.1- none
    - 802.3- renew SG on higher speed;
    - 802.11- renew video SG, renew very high throughput, renew QS enhancements
    - 802.15- renew SG 15.4 MAC enhancements and Body Area Networking
    - 802.16- none
    - 802.17- none
    - 802.18- none
    - 802.19- none
    - 802.20- none
    - 802.21- multi-radio power management conservation SG, security SG
    - 802.22- none
  - Potentially an 802 SG for Emergency Communications

7.11	**II**	**Revised Opening Plenary update**	**-**	**Nikolich**	**2**	**10:29 AM**

Opening Plenary Agenda

1) The usual boilerplate—
Financial Report (Hawkins), Patent Policy (Thompson), Membership Policy (Sherman), general announcements (tutorials, new PARs, etc.-Rigsbee)
- 20 minutes

3) Buzz Rigsbee presents non-North American meeting venue plans
-10 minutes

4) Q&A presentation
- 10 minutes (Nikolich moderates).

5) Closing remarks, notices, adjourn:
- 5 minutes (Nikolich)

6) Voluntary demo/test of IMAT software, 10 minutes, (Gilb and Camp)

7.12	**II**	**IEEE Educational and Standards Workshop and ongoing activities**	**-**	**McClain**	**2**	**10:32 AM**

Educational Workshop on IEEE 802 Wireless Standards

Update by
Jennifer McClain
12 November 2007

Sponsored by the IEEE Educational Activities Board in cooperation with the IEEE Standards Association

November 30-December 1, 2007

The Hilton Washington

Washington, DC - USA

in association with IEEE GLOBECOM

IEEE Members save $150 (USD) on registration and IEEE GLOBECOM attendees save an additional $50 (USD). IEEE Student Members are encouraged to attend and are offered a significantly reduced registration fee where they save $400 (USD).

IEEE

Moderator:

- Paul Nikolich, Chairman, IEEE 802 LAN/MAN Standards Executive Committee

Panelists:

- John R. Barr, Director, Standards Realization, Motorola
- Roger B. Marks, Senior Vice President, NextWave Broadband Inc.
- Fanny Mlinarsky, President at octoScope
- Albert Petrick, Vice Chairman, IEEE 802.11 Working Group
- Donald E. Purcell, Chairman, Center for Global Standards Analysis

Topics

- Panel Discussion:
  "Assessing the Impact of IEEE 802 Stds on Society"
  - Including comprehensive panel discussion on 802 standards history and the standards development process

Topics

- IEEE 802 WLAN Stds for Wi-Fi Solutions Today & Tomorrow (Al Petrick)
- Development of WPAN Ecosystem Stds (John Barr)
- Strategic Value of IEEE Stds (Donald Purcell)
- IEEE 802.16: The Basis of WiMax Mobile Broadband Networks (Roger Marks)
- Performance Requirements and Verification of the IEEE 802 Wireless Technologies (Fanny Mlinarsky)

Standards Education Committee (SEC)

- Establishment of the committee was endorsed by the Educational Activities Board (EAB) and the Standards Association Board of Governors (SA BoG).
- SEC approved by IEEE Board of Directors in June 2006.

- Mission

(1) Secure and disseminate learning materials on the application of standards in the design and development aspects of educational programs.

(2) Secure and provide short courses about standards needed in the design and development phases of professional practice.

(3) Lead other education initiatives planned jointly by EAB and the SA as needed.

Standards Education Committee

- Standards Association Members of the SEC
  - Jerry Peterson
  - Bruce McClung
  - Howard Wolfman
  - Daleep Mohla
  - Steve Mills, Corresponding Member and SA Representative to the Educational Activities Board (EAB)
  - Don Heirman, Corresponding Member
- Educational Activities Members of the SEC
  - Todor Cooklev, Chair
  - Moshe Kam, Vice-President, Educational Activities
  - Curtis Dodd
  - Aminul Karim
  - Karen Bartleson

More information

IEEE Educational Activities staff:
Beth Bebeu Kelly, Senior Mgr, Educational Programs:
b.babeu@ieee.org
Barbara Stoler: b.stoler@ieee.org

http://www.ieee.org/web/education/home/index.html

Jennifer McClain
Managing Editor, Standards Information & Industry Publishing
j.mcclain@ieee.org

7.13	**DT**	**802.20 sponsor ballot - entity or not?**	**-**	**Nikolich**	**20**	**10:36 AM**

Paul indicated that a decision will need to be made soon on this issue. Arnie indicated that 802.20 are likely to bring their draft to forward to sponsor ballot. The discussion included questions as to whether the EC should modify the 802.20 PAR or whether the EC should send a recommendation to the SASB to make that change. Arnie indicated that Steve Mills has requested a recommendation from the 802 EC.

7.14	**DT**	**802.11 Video Transport Stream SG - architecture impact**	**-**	**Nikolich**	**10**	**10:39 AM**

Stuart indicated that 802.11 and 802.1 have been working together on this issue. There is no intent to bring a PAR and five criteria document to this session. There is a joint meeting Wednesday 4-6pm.

7.15	**DT**	**IEEE-SA press release – IMT-2000 adoption of 802.16 – 802 or SA business**	**-**	**Nikolich**	**10**	**10:41 AM**

Paul indicated that clarifiying text will be added to a P&P revision. Mat indicated that this change is already in the "baseline" and will be adopted as part of the adoption of the baseline.

7.16	**II**	**Non-North American venue update**	**-**	**Rigsbee**	**10**	**10:42 AM**

This item was deferred to the opening plenary. A poll will be placed on the web portal to get a measure of our members. John Lemon pointed out that the poll will be biased by being available only to the members in Atlanta.

7.17	**II**	**Status update on 802 appeals**	**-**	**O'Hara**	**2**	**10:44 AM**

No appeals at this time.

7.18	**II**	**Update on IMT Advanced activities**	**-**	**Lynch**	**5**	**10:46 AM**

Update on IEEE 802.18 IMT Advanced

- RR-TAG was directed to take this project
  - Normal route for outputs to ITU-R
  - Has experience with developing “joint” views
- First meeting held during Londonium interim
  - Well attended, definite interest in moving forward
- Work was done F2F and by conference calls
  - submitted 15 May to IEEE-SA ITU-R liaison

IEEE 802.18 IMT Advanced

- ITU-R WP8F has asked for two inputs
  - Additional input on IMT-Advanced requirements
  - An input on evaluating proposed IMT-Advanced technologies
- On current schedule both need to be completed by November 2007 plenary
- Both inputs will be managed by the same editor

Outcome of the September meeting

- Decided to prepare a further requirements input and an evaluation input to WP8F
  - Didn't see a need for conference calls
  - Interested WGs to develop inputs and provide to the editor (John Notor) by 29 October – 2 weeks prior to the November plenary
  - Drafts to be circulated 5 November
  - F2F meetings to be held during the November plenary to complete the inputs

Outcome of the September meeting

- Discussion held on submission of a joint IEEE 802 technology input to ITU-R WP8F (now WP5D)
  - Proposed same work method as used for requirements and evaluations submissions
  - Expect confirmation at the November plenary
- Expect WP5D to publish a call for contributions at their January 2008 meeting
- Tentative completion date Q4 2008

Timeline – Requirements & Evaluation

- September wireless interim
  - Work began – some inputs received
- Inputs to be made to the editor by 29 October
- Drafts to be circulated 5 November
- November 2007 IEEE 802 Plenary
  - F2F meetings to complete the documents
- December 2007 submitted to ITU-R
  - Cannot be put off to January Interim

Timeline - Technology

- September wireless interim
  - Propose to use same method as used for requirements and evaluation submissions
    - Conference calls only if needed
    - Submissions to 802.18 editor who will use WP8F outline
  - Work to begin March 2008 or on request for inputs from WP5D
    - Develop “terms of reference” for the work
- November 2008 IEEE 802 Plenary
  - Based on current WP5D timeline initial contribution completed and approved
- December 2008 submitted to ITU-R

7.19	**II**	**Update on ITU-R activities**	**-**	**Lynch**	**5**	**10:50 AM**

Update on ITU-R Activities

- In October/November ITU-R held two meetings
  - Radiocommunication Assembly (RA) 15 – 19 October
  - World Radiocommunication Conference 2007 (WRC-07) 22 October – 16 November
- RA approves recommendations & manages ITU-R structure, etc.
  - This RA attended by 80+ administrations
- WRC-07 makes changes to the Radio Regulations
  - Radio Regulations are a treaty document – identifies use of rf spectrum – international “rules of the road”

Update on ITU-R Activities

- RA approved the update of ITU-R Rec. M.1457
  - Defines ITM-2000 “family” of technologies
  - That family now includes 802.16e
- RA adopted new naming convention for 3G/4G mobile
  - The name “IMT” is an umbrella that includes
    - IMT-2000 – 3G (technologies contained in M.1457)
    - IMT-Advanced – 4G (technology/technologies not yet defined)
  - Spectrum identified by a WRC will be for IMT
    - Can be used by all IMT technologies

Update on ITU-R Activities

- The new SG is of interest to IEEE 802
  - Combined SG8 (Mobile Services) and SG9 (Fixed Services) as SG5 (Terrestrial Services)
  - SG 5 has 4 proposed/interim WPs
    - WP5A – Land mobile excluding IMT
    - WP5B – Maritime and Aeronautical Mobile, Radiolocation
    - WP5C – Fixed services including HF
    - WP5D – Land mobile (IMT)
  - Proposed meeting schedule for January/February 2008 is retained for now
    - WP5D will meet in Geneva starting 28 January
    - SG5 meets 19 – 20 February to decide final meeting dates and chairs

Update on ITU-R Activities

- WRC-07 is still meeting
  - More than 3000 delegates registered
  - More than 140 administrations represented
  - Considering identification of additional frequency bands for IMT
    - 450 – 470 MHz
    - Portions of 470 – 806/862 MHz
    - 2300 – 2400 MHz
    - 3400 – 4200 MHz
  - As of 11 November nothing yet agreed

7.20	**II**	**802.3 treasury now in concentration banking**	**-**	**Grow**	**2**	**10:56 AM**

Bob Indicated that 802.3 is now participating in IEEE concentration banking.

7.21	**II**		**-**			
7.22	**II**		**-**			
7.23	**II**		**-**			
7.24	**II**		**-**			
7.25	**II**		**-**			
7.26	**II**		**-**			
7.27	**II**		**-**			
7.28	**II**		**-**			
7.29	**II**		**-**			
7.30	**II**		**-**			
7.31	**II**		**-**			
7.32	**II**		**-**			
7.33	**DT**	**EC meeting schedule (rules, SA, etc.)**	**-**	**Nikolich**	**3**	

		ADJOURN SEC MEETING	**-**	**Nikolich**		**10:56 AM**

Reaching the end of the agenda, the EC meeting was adjourned at 10:56.

8.00	**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 http://www.ieee802.org/minutes/nov2007/index.html
- 11:15 Presentation: Non-NA venue plans — Buzz Riggsbee
- 11:45 Q&A — all
- 11:55 General announcements/Meeting Arrangements — Rigsbee
- 12:00 ADJOURN
- 12:01 Demo/test of Attendance software — Gilb and Camp

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** **John Lemon**	**802.19 TAG** **Coexistence** **Shellhammer**
802.20 **MBWA** **Arnie Greenspan**	**802.21** **Handoff** **Vivek Gupta**	**802.22** **WRAN** **Carl 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**

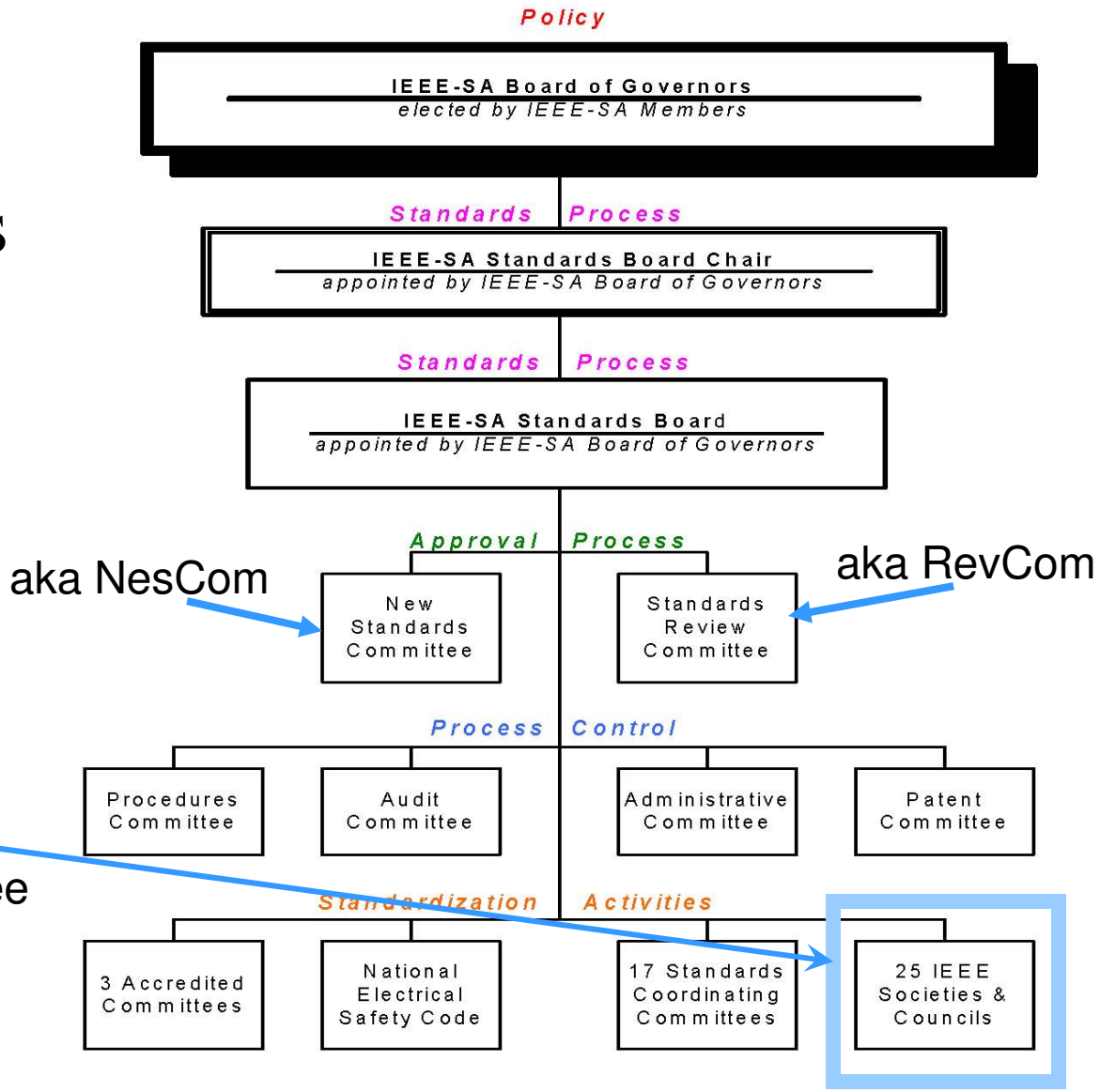
HIBERNATION

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

DISBANDED

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

IEEE Standards Organization



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

IEEE Staff Introductions

- Karen Kenney: 802 Ombudsman and Associate Managing Director,Business Administration
- Michael Kipness: Program Manager, Technical Program Development
- Michelle Turner: Program Manager, Document Development
- Jennifer McClain: Managing Editor, Standards Information and Industry Publishing
- Bob LaBelle: Manager, Networks and Telecommunications
- Clyde Camp: Staff support for myballot and myproject, Consultant
- Chris Sahr: Technical Project Manager, IMAT support

Awards

- **IEEE Std 802.16k-1007 Published on August 14, 2007**
  - Roger Marks
  - Phillip Barber
  - David Johnston
- **IEEE Std 802.17b-2007 Published on July 23 2007**
  - Mike Takefman
  - Marc Holness
  - John Lemon

Patent Policy

Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- **Show slides #1 through #5 of this presentation**
- **Advise the WG attendees 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 identification of patent claims which may be essential for the use of standards under development is encouraged;
  - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- **Instruct the WG Secretary to record in the minutes of the relevant WG meeting:**
  - That the foregoing information was provided and the five slides were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard;
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
  - It is recommended that the WG chair review the guidance in the *Standards Companion* on inclusion of potential Essential Patent Claims by normative reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees.

(Optional to be shown)

Highlights of the *IEEE-SA Standards Board Bylaws* on Patents in Standards

- **Participants have a duty to tell the IEEE if they know (based on personal awareness) of potentially Essential Patent Claims they or their employer own**
- **Participants are encouraged to tell the IEEE if they know of potentially Essential Patent Claims owned by others**
  - This encouragement is particularly strong as the third party may not be a participant in the standards process
- **Working Group required to request assurance**
- **Early assurance is encouraged**
- **Terms of assurance shall be either:**
  - Reasonable and nondiscriminatory, with or without monetary compensation; or,
  - A statement of non-assertion of patent rights
- **Assurances**
  - Shall be provided on the IEEE-SA Standards Board approved LOA form
  - May optionally include not-to-exceed rates, terms, and conditions
  - Shall not be circumvented through sale or transfer of patents
  - Shall be brought to the attention of any future assignees or transferees
  - Shall apply to Affiliates unless explicitly excluded
  - Are irrevocable once submitted and accepted
  - Shall be supplemented if Submitter becomes aware of other potential Essential Patent Claims
- **A "Blanket Letter of Assurance" may be provided at the option of the patent holder**
- **A patent holder has no duty to perform a patent search**
- **Full policy available at http://standards.ieee.org/guides/bylaws/sect6-7.html#6**

IEEE-SA Standards Board Bylaws on Patents in Standards

6.2 Policy

IEEE standards may be drafted in terms that include the use of Essential Patent Claims. If the IEEE receives notice that a [Proposed] IEEE Standard may require the use of a potential Essential Patent Claim, the IEEE shall request licensing assurance, on the IEEE Standards Board approved Letter of Assurance form, from the patent holder or patent applicant. The IEEE shall request this assurance without coercion.

The Submitter of the Letter of Assurance may, after Reasonable and Good Faith Inquiry, indicate it is not aware of any Patent Claims that the Submitter may own, control, or have the ability to license that might be or become Essential Patent Claims. If the patent holder or patent applicant provides an assurance, it should do so as soon as reasonably feasible in the standards development process. This assurance shall be provided prior to the Standards Board's approval of the standard. This assurance shall be provided prior to a reaffirmation if the IEEE receives notice of a potential Essential Patent Claim after the standard's approval or a prior reaffirmation. An asserted potential Essential Patent Claim for which an assurance cannot be obtained (e.g., a Letter of Assurance is not provided or the Letter of Assurance indicates that assurance is not being provided) shall be referred to the Patent Committee.

A Letter of Assurance shall be either:

a) A general disclaimer to the effect that the Submitter without conditions will not enforce any present or future Essential Patent Claims against any person or entity making, using, selling, offering to sell, importing, distributing, or implementing a compliant implementation of the standard; or

b) A statement that a license for a compliant implementation of the standard will be made available to an unrestricted number of applicants on a worldwide basis without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination. At its sole option, the Submitter may provide with its assurance any of the following: (i) a not-to-exceed license fee or rate commitment, (ii) a sample license agreement, or (iii) one or more material licensing terms.

Slide #2

IEEE-SA Standards Board Bylaws on Patents in Standards

Copies of an Accepted LOA may be provided to the working group, but shall not be discussed, at any standards working group meeting.

The Submitter and all Affiliates (other than those Affiliates excluded in a Letter of Assurance) shall not assign or otherwise transfer any rights in any Essential Patent Claims that are the subject of such Letter of Assurance that they hold, control, or have the ability to license with the intent of circumventing or negating any of the representations and commitments made in such Letter of Assurance.

The Submitter of a Letter of Assurance shall agree (a) to provide notice of a Letter of Assurance either through a Statement of Encumbrance or by binding any assignee or transferee to the terms of such Letter of Assurance; and (b) to require its assignee or transferee to (i) agree to similarly provide such notice and (ii) to bind its assignees or transferees to agree to provide such notice as described in (a) and (b).

This assurance shall apply to the Submitter and its Affiliates except those Affiliates the Submitter specifically excludes on the relevant Letter of Assurance.

If, after providing a Letter of Assurance to the IEEE, the Submitter becomes aware of additional Patent Claim(s) not already covered by an existing Letter of Assurance that are owned, controlled, or licensable by the Submitter that may be or become Essential Patent Claim(s) for the same IEEE Standard but are not the subject of an existing Letter of Assurance, then such Submitter shall submit a Letter of Assurance stating its position regarding enforcement or licensing of such Patent Claims. For the purposes of this commitment, the Submitter is deemed to be aware if any of the following individuals who are from, employed by, or otherwise represent the Submitter have personal knowledge of additional potential Essential Patent Claims, owned or controlled by the Submitter, related to a [Proposed] IEEE Standard and not already the subject of a previously submitted Letter of Assurance: (a) past or present participants in the development of the [Proposed] IEEE Standard, or (b) the individual executing the previously submitted Letter of Assurance.

IEEE-SA Standards Board Bylaws on Patents in Standards

The 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.

The IEEE is not responsible for identifying Essential Patent Claims for which a license may be required, for conducting inquiries into the legal validity or scope of those Patent Claims, or for determining whether any licensing terms or conditions are reasonable or non-discriminatory.

Nothing in this policy shall be interpreted as giving rise to a duty to conduct a patent search. No license is implied by the submission of a Letter of Assurance.

In order for IEEE's patent policy to function efficiently, individuals participating in the standards development process: (a) shall inform the IEEE (or cause the IEEE to be informed) of the holder of any potential Essential Patent Claims of which they are personally aware and that are not already the subject of an existing Letter of Assurance, owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents; and (b) should inform the IEEE (or cause the IEEE to be informed) of any other holders of such potential Essential Patent Claims that are not already the subject of an existing Letter of Assurance.

Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
- **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
- **Don't discuss specific license rates, terms, or conditions.**
  - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
    - Technical considerations remain primary focus
- **Don't discuss fixing product prices, allocation of customers, or dividing sales markets.**
- **Don't discuss the status or substance of ongoing 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

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.

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

DRAFT

IEEE Project 802
Statement of Operations
Jul 2007 Plenary Session
San Francisco, CA
As of Nov 11, 2007

Session Income				dB	Est/*Act*		Budget	Deviation
	Net Registrations				*1,611*		1,200	411
73.5%	1184 Early Registrations	@	$400	$ 473,600				
	18 Early cancellations	@	$400	(7,200)				
	34 Cancellations	@	$350	(11,900)				
26.2%	422 Registrations	@	$500	211,000				
	1 Cancellation	@	$450	(450)				
	0 Special Cancellation	@	$500	0				
0.2%	4 Student	@	$150	600				
0.1%	1 Special Registration	@	$500	500				
	4 Other credits	@	$100	(400)				
	Registraion Subtotal			$ 665,750	$ 663,750		$ 512,664	$ 151,086
	0 Deadbeat Payment	@	$500		0		0	0
	Interest				176		200	(24)
	Other (Hotel comps and commission)				*69,409*		50,000	19,409
TOTAL Session Income					$ 733,335		$ 562,864	$ 170,471

Session Expenses	Est/*Act*		Budget	Deviation
Audio Visual Rentals	*16,749*		18,000	1,251
Audit	*0*		6,000	6,000
Bank Charges	450		500	50
Copying	2,776		3,500	724
Credit Card Discounts & Fees	*19,778*		14,355	(5,424)
Equipment Expenses	*0*		11,000	11,000
Get IEEE 802 Conttribution	*116,925*		90,000	(26,925)
Insurance	*0*		0	0
Meeting Administration	*92,036*		75,064	(16,972)
Misc Expenses	*3,641*	*	2,500	(1,141)
Networking	*71,705*		60,000	(11,705)
Other Expenses	*5,600*	**	5,600	0
Phone & Electrical	*736*		2,500	1,764
Refreshments	*170,192*		120,500	(49,692)
Shipping	*8,672*		15,000	6,328
Social	*114,966*		45,000	(69,966)
Supplies	*1,110*		1,500	390
TOTAL Session Expense	$ 625,335		471,019	(154,317)
NET Session Surplus/(Deficit)	107,999		91,845	16,154
Analysis				
Refreshments per registration	106		100	(5)
Social per registration	71		38	(34)
Meeting Admin per registration	57		63	5
Surplus/(Loss) per registration	67		77	(9)

* Misc items: Hotel gratuity 802.20 travel reimb

** Oher expenses: Online Education hosting/development contract

Cash recognized on hand as of Oct 31, 2007	$ 766,695	
Reserve for unpaid expenses for prior sessions	(450)	
Reserve for other outstanding commitments	(2,000)	CD production
Income received for current session	(300)	
Expenses prepaid for current session	39,624	
Expenses prepaid for future sessions	0	
Operating Reserve following this session	$ 803,569	

DRAFT

IEEE Project 802
Estimated Statement of Operations
November 2007 Plenary Session
Atlanta, GA
As of November 11, 2007

Meeting Income	*Estimate*	*Budget*	*Variance*
Registrations	**1,331**	1,200	131
Registration income	**572,330**	519,600	52,730
Cancellation refunds	**(10,302)**	(9,353)	
Deadbeat collections		0	0
Bank interest	**300**	60	240
Other income (commissions & comps)	**40,000**	40,000	0
TOTAL Meeting Income	**602,328**	550,307	52,021

Meeting Expenses	*Estimate*	*Budget*	*Variance*
Audio Visual Rentals	**20,000**	20,000	0
Audit	**0**	0	0
Bank Charges	**500**	500	0
Copying	**4,500**	4,000	(500)
Credit Card Discount	**16,025**	14,549	(1,476)
Equipment Expenses	**15,000**	15,000	0
Get IEEE 802 Contribution	**125,000**	125,000	0
Insurance	**0**	0	0
Meeting Administration	**81,348**	75,064	(6,284)
Misc Expenses	**2,000**	2,000	0
Network	**70,000**	60,000	(10,000)
Phone & Electrical	**2,500**	2,500	0
Refreshments	**130,000**	120,500	(9,500)
Shipping	**9,000**	6,500	(2,500)
Social	**45,000**	45,000	0
Supplies	**1,500**	1,500	0
Other Discounts		0	0
TOTAL Meeting Expense	**522,373**	492,113	(30,261)
Other Income/Expense			
NET Meeting Income/Expense	**79,955**	58,194	21,761
Analysis			
Refreshments per registration	**98**	100	3
Social per registration	**34**	38	4
Meeting Administration per registra	**61**	63	1
Networking per registration	**53**	50	(3)
Get IEEE 802 Contribution per regis	**94**	**104**	10
Surplus/Deficit per registration	**60**	48	12

Previous operating reserve	**803,569**
NET Meeting Income/Expense	**79,955**
Projected operating reserve	**883,524**

LMSC Policy and Procedures Update

Author:

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

Date: November 12th, 2007

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://standards.ieee.org/board/aud/LMSC.pdf
- Working groups also have P&P
- Other ‘Governance’ documents from
  - IEEE Standards Association
  - IEEE Computer Society
- P&P Review Session usually held Sunday Night before Plenary
  - Review current P&P issues
  - All participants welcome

Summary of P&P Activities

- **AudCom approved P&P Posted 10/2/07!**
  - http://standards.ieee.org/board/aud/LMSC.pdf
- Editorial update posted 10/6/07
  - Based on comments from users
- Additional Editorial update provided 11/10/07
  - Addressed additional user comments
- Held Sunday Night P&P Review covering
  - Discussed P&P issues for this session
  - Discussed multiple desired P&P updated

Current P&P Issues

- Restructuring of P&P per AudCom
  - Creation of Operations Manual
- Update to Term Limit rules
- Update on interpretation of LMSC P&P
- Update to press release rules

Questions?

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

Tutorial Schedule

Monday	Tuesday
1)Data Center needs for I/O Consolidation 6:30-8:00PM sponsor: Thaler	**3) Emergency Svcs for 802 CFI** 6:00-7:30PM sponsor: Nikolich
2) The Next Generation of Ethernet 8:00-9:30PM sponsor: Grow	**4) RFID PHY/MAC Issues and Recommendations** 7:30-9:00PM sponsor: Kerry
	4) WPAN/WLAN/WWAN Multi-Radio Coexistence 9:00-10:30PM sponsor: Kerry

EC meetings for the week

(held in EC Suite 226 Atrium Tower 2nd Floor)

- Monday 6-6:30pm — Executive Session—reconsideration of NC-EC roster

- Tuesday 9-noon — reserved (Paul)
- Tuesday noon-1pm — open
- Tuesday 1-2pm — open
- Tuesday 2-6pm — open

- Wed 9-10am — Attendance SW (Gilb/Camp)
- Wed 10-11am — getIEEE 802 budget review (Hawkins)
- Wed 11-noon
- Wed noon-1pm — open
- Wed 1-3pm — 802 Task Force (Nikolich)
- Wed 3-4pm — non-North American venue discussion
- Wed 4-5pm — open

- Thursday 10-11am — open
- Thursday 11am-1pm — open
- Thursday 1-2pm — open
- Thursday 5-7pm — reserved (GOT)

Non-North American (nNA) Venues for IEEE-P802 Plenaries

A Progress Report

by

Buzz Rigsbee & Dawn Slykhouse

Current Situation

- As US dollar declines, the differential for non-US venues over US venues increases
- Current costs are 2x to 3x more for less
- Some 802 WGs are more price sensitive and vote against costly nNA venues
- Having local hosting Co/Org can improve nNA deals substantially & simplify logistics
- Thus we need help in finding nNA hosts

March 2009 Venue

- Costs for Rome & Vancouver are up >20% just since our August-September poll
- Cost for Rome is 2.5x cost for Vancouver
- Rome costs $425/night + $1000 Reg fee
- Vancouver: $175/night + $400 Reg fee
- Expect US-$ costs will continue to rise
- Poll: 54% for Rome, 32% for VCR
- We need to decide NOW or lose options

September Poll Results

- non-scientific preferences -

SEC - WG/Member	for Rome, Italy	for Vancouver, BC	Abstain/Don't Care	Some other Venue	# voting
802.1 - Tony Jeffree	13	50			63
802.3 - Bob Grow	16	68			84
802.11 - Stuart Kerry	*	*	*		*
802.15 - Bob Heile	118	0	23		141 (~195)
802.16 - Roger Marks	71	60	0	61	(150-200)
802.17 - John Lemon	1				
802.18 - Michael Lynch	7	0	0		
802.19 - Steve Shellhammer	1				
802.20 - Arnie Greenspan	55	0		1	
802.21 - Vivek Gupta	26	5			
802.22 - Carl Stevenson	1				
CH - Paul Nikolich					
VC1 - Matt Sherman	1				
VC2 - Pat Thaler					
RS - Bob O'Hara					
XS - Buzz Rigsbee		1			
TR - John Hawkins					
ME - Geoff Thompson					
* = included in 802.15 count					
Totals:	310	184	23	62	579
Percentage:	53.541%	31.779%	3.972%	10.708%	

Target – Find Hosts for nNA

- We have 3 potential host organizations that may want to submit proposals:
  - Singapore
  - South Korea
  - Macau PRC
- Want to solicit more offers for March 2011 target dates & select a “Best for 802”
- Will prepare & publish Guide for 802 Hosts
- Will specifiy requirements & expectations
- Geneva is still in play, but no proposal yet

Next Steps

- Vote this week to resolve March 2009
- Publish IEEE-802 Hosts Guide & Promote
- Hosts to submit proposals for March 2011
- Need to Resolve:
  - Is Hawaii a non-North American option ?
  - Can we accept venues w/ theater-only-setups ?
  - How much Group subdivision is acceptable ?
  - Should there be a hard venue cost-ceiling ?

Here’s the Plan

- Will draft & post Attendee Poll on Portal
- All WGs will encourage participation
- Will collect & publish results Thurs PM
- SEC will review & make decisions Friday
- Final Results will be published by WGs
- Will proceed with contract for March 2009
- Will review Host proposals before Orlando

8.01 PL IEEE 802 PLENARY MEETING ENDS 12:09 PM

The meeting was adjourned at 12:09pm

Respectfully submitted,
Bob O'Hara
Recording Secretary