

**AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE
MEETING (updated 14 July 2008)**

Monday, March 17, 2008 – 8:00 a.m.

Orlando, FL

- 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
- 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
- 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
- 20 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 08:02 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

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

4.01 Notice of Chair elections - Nikolich 2 08:07 AM

Category (* = consent agenda) 08:09 AM

Stds Board items				
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5.00 II Stds Board Actions (approved projects, standards, withdrawals) - Nikolich 2 08:09 AM

5.01 II - 08:11 AM

5.02 II PARS to NesCom - Nikolich 2 08:11 AM

5.03 II List of Drafts to Sponsor Ballot - Nikolich 2 08:13 AM

5.04 II List of Drafts to Revcom - Nikolich 2 08:15 AM

5.05	II		-			08:17 AM
						08:17 AM
SA items						
6.00	II	IEEE Staff Introductions	-	Nikolich	2	08:17 AM
6.01	II	802 Task Force update	-	Nikolich	10	08:19 AM
6.02	II	BOG directive regarding LMSC meeting planning contract	-	Grow	5	08:29 AM
6.03	II	Get IEEE802 program update and patent pool program update	-	Kenney	5	08:34 AM
6.04	II	802 attendance software	-	Gilb	5	08:39 AM
6.05	II	Online Training Update	-	Thaler	5	08:44 AM
6.06	II	SA Staff Liaison - Update	-	Kipness	5	08:49 AM
6.07	II		-			08:54 AM
6.08	II		-			08:54 AM
6.09	II		-			08:54 AM
6.10	II		-			08:54 AM
LMSC items						
						08:54 AM
7.00	II	TREASURER'S REPORT	-	Hawkins	5	08:54 AM
7.01	II		-			08:59 AM
7.02	II	LMSC Email Ballot Recap	-	Nikolich	5	08:59 AM
7.03	MI	LMSC Meeting Fee Waivers	-	Nikolich	2	09:04 AM
7.04	II	Tutorial schedule	-	Nikolich	5	09:06 AM
7.05	II	JTC1/SC6 update	-	Thompson	5	09:11 AM
7.06	II		-			09:16 AM
7.07	II	P&P update	-	Sherman	15	09:16 AM
7.08	II		-			09:31 AM
7.09	II	notice of PARs under consideration	-	WG chairs	5	09:31 AM
7.10	II	notice of Study Groups under consideration	-	WG chairs	5	09:36 AM
7.11	II	Revised Opening Plenary update	-	Nikolich	2	09:41 AM
7.12	II		-			09:43 AM
7.13	DT		-			09:43 AM
7.14	DT		-			09:43 AM
7.15	DT		-			09:43 AM
7.16	II	Non-North American venue update	-	Rigsbee	10	09:43 AM
7.17	II	Status update on 802 appeals	-	O'Hara	2	09:53 AM
7.18	II	Update on ITU-R activities	-	Lynch	5	09:55 AM
7.19	II		-			10:00 AM
7.20	II	Educational Activities Update	-	Nikolich	5	10:00 AM
7.21	II	802.11/802.1 Collaboration on Video Transport Streams	-	Kerry/Jeffree	5	10:05 AM
7.22	II		-			10:10 AM
7.23	II		-			10:10 AM
7.24	II		-			10:10 AM
7.25	II		-			10:10 AM
7.26	II		-			10:10 AM
7.27	II		-			10:10 AM
7.28	II		-			10:10 AM
7.29	II		-			10:10 AM

7.30	II		-			10:10 AM
7.31	II		-			10:10 AM
7.32	II		-			10:10 AM
7.33	DT	EC meeting schedule (rules, SA, etc.)	-	Nikolich	3	10:10 AM
		ADJOURN SEC MEETING	-	Nikolich		10:13 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/Grow

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

4.00		EC member affiliation updates	-	Nikolich	2	08:05 AM
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The name of Roger Marks' company has changed from Nextwave Broadband to Nextwave Wireless. Bob O'Hara's affiliation has changed from Cisco Systems to unaffiliated.



Standards Project Authorization

1. <u>August 25, 1979</u> Date of Request	Project No. <u>809</u> Approved: <u>3/13/80</u> Date
For Standards Committee Use Only	
2. <input checked="" type="checkbox"/> New Standard <input type="checkbox"/> Revision of _____ Standard No. _____	<input type="checkbox"/> Reaffirmation of _____ <input type="checkbox"/> Withdrawal of _____ Standard No. _____
3. Project Title: <u>Local network for Computer Interconnection.</u>	
4. Scope and Purpose of Proposed Standard: <u>The proposed standard will apply to Data Processing devices which need to communicate with each other at a moderate data rate (1 M bit/sec) and within a local area (physical data path up to 4 km). The purpose of the proposed standard is to provide compatibility between devices of different manufacture so that the hardware and software customization necessary for effective data communication is minimized or eliminated.</u>	
5. Sponsor <u>Computer Standards</u> Technical Committee	<u>Computer Society</u> Society
5a. Proposed ANSI Committee <u>X3</u>	ANSI Project #: _____ Date Approved: _____
6. Proposed Coordination: Dr. Herbert Hecht Computer Society Representative to X3. Also coordination with IEC Committees will be undertaken. Minutes will be mailed to ANSI x 3 Secretary.	
Method of Coordination: <u>Communications Society</u> <u>Computer Sids. Committee (added by amendment 9/17/81 StB meeting)</u>	
7. Name of Group that will Write the Standard <u>Microprocessor Standards</u> Subcommittee	<u>Local Network</u> Working Group
8. Estimated Final Ballot Date <u>December 1982</u> To Technical Committee	<u>March 1983</u> To Standards Board
9. Person Delegated to Receive Communications and Conduct Liaison with Interested Bodies: Name: <u>Maris Graube</u> Company: <u>Tektronix, Inc.</u> Street address: <u>P. O. Box 500, N/S 5B-188</u> City: <u>Beaverton, OR 97077</u> State: <u>(503)</u> Zip Code: <u>644-0161</u> Telephone: <u>Ext. 6234</u>	
10. Submitted by: Name: <u>Dr. Robert G. Stewart</u> Company: <u>Stewart Research Enterprises</u> Street address: <u>1650 Belvoir Drive</u> City: <u>Los Altos, CA</u> State: <u>94022</u> Zip Code: <u>(415) 941-6699</u> Telephone:	

Form SF 1-(A)-1979

March 2008

Opening EC Meeting
8 AM-10:30AM

EC Affiliation Update

- Any changes in affiliation among EC members?

Non Conflicted-EC Roster on 802.20 matters

- Maintain NC-EC until 802.20 standard project is completed
- 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)

March Elections

- Prior to opening EC meeting
 - 802 chair candidates to notify EC Recording Secretary
 - Appointed EC members identified
- Prior to closing EC meeting
 - WG and TAG officer elections to be held
 - Please remember to record vote counts
 - letters of endorsement for all potential EC members must be on file
- During closing EC meeting
 - Report numerical results of officer elections
 - Confirmation of individuals elected to WG and TAG officers
 - 802 chair election
 - Confirmation of individuals to 802 appointed positions

Paul clarified that his requirement for the letter stating an individual's affiliation and a letter of endorsement will be acceptable in electronic form.

5.00 II Stds Board Actions (approved projects, standards, withdrawals) - Nikolich 2 08:21 AM

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FEB 2008

SA BoG Actions

Meeting Planner Bidding Process—BoG Motion

The IEEE-SA BoG directs the Standards Board Chair to ensure that before its November 2008 plenary, the Computer Society LAN/MAN Standards Committee:

- 1) Creates an RFQ for its meeting planning services
- 2) Develops a set of impartial evaluation criteria to be used to review and select a meeting planning services vendor
- 3) Offers this RFQ to at least three meeting planning services vendors
- 4) Reviews and selects the winning vendor using the criteria created in #2 above
- 5) Has in place an approved contract for its November plenary.

No further extensions of the existing contract for meeting services shall be provided beyond the July Plenary.

BoG is engaged in developing a ‘Strategic Plan’

- Nikolich invited to participate in process at Feb mtg

DEC 2007

SA Standards Board Actions

802 Members on SASB and its subcommittees

SASB members: Bob Grow (chair), Steve Mills (past Chair), David Law, Glen Parsons, Mark Epstein, Arnie Greenspan, Jon Rosdahl

NesCom: Geoff Thompson, Jon Rosdahl, Mark Epstein

RevCom: David Law (chair), Clint Chaplin, Phil Barber, Wael Diab,

ProCom: David Law, Glenn Parsons

PatCom: David Law, Steve Mills, Fran O'Brien

AudCom: Glenn Parsons (chair), Arnie Greenspan, Clint Chaplin

DEC 2007

SA Standards Board Actions

Standards Approved

New: none

Revisions:

Std 802.1Q-2005 revision plan approved, 2 year extension to DEC 2010

Reaffirmations: none

Corrigendum: none

Extensions: none

Withdrawals:

Std 1802.3 (R2007)

DEC 2007

SA Standards Board Actions

Projects Approved

New:

P802.3ba CSMA/CD MAC, PHY and MGMT for 40 and 100 Gb/s operation (DEC07)

P802.15.4e: Amendment to the MAC sublayer (DEC07)

P802.15.6: Wireless MAC and PHY Specifications for WPANs used in or around a body. (DEC07)

Revisions:

Std 802.1Q-2005 revision plan approved, 2 year extension to DEC 2010

Reaffirmations: none

Extensions: none

Withdrawals: none

DEC 2007

SA Standards Board Actions

802.20 Working Group actions by SASB

1) Sponsor ballot request from November 2007 approved

05DEC2007 SASB Motion on 802.20 WG Sponsor Ballot:

Move to approve 802.20 to enter Sponsor ballot using the individual method with the following additional modifications:

- The casting of individual votes and submittal of comments shall be done through myBallot.
- The unconflicted LMSC EC shall oversee conduct of the ballot, including determination of affiliation and voting blocs in a manner consistent with that used for determining the voting members of the 802.20 working group.
- The unconflicted LMSC EC shall review the votes cast, audit the ballots and produce a modified tally for use in determining success of the ballot, need for and scope of recirculation and for submittal along with raw tallies to RevCom when balloting is complete.

The unconflicted LMSC EC shall use the blocs determined above to count the votes. The vote of the bloc shall be calculated with any disapprove comment making the vote of the bloc vote a disapprove with comment; absent a disapprove comment, one or more approve makes the vote of the bloc approve.

2) SASB 802.20 oversight committee dissolved

5.01 II

-

5.02 II PARS to NesCom

- Nikolich

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08:33 AM

Draft PARs to NesCom

- 802.1 Q revision
- 802.1 Qav modification to the PAR
- P802.1Qbb - PAR for an amendment to existing Standard 802.1Q-2005 - IEEE Standard for Local and Metropolitan Area Networks---Virtual Bridged Local Area Networks
- P802.1 aj Extension request
- P802.1 BA AVB Systems
- P802.11aa - PAR for an amendment to existing Standard 802.11-2007 –Video Transport Streams
- Extension requests: P802.11p, 11s, 11v, 11.2 (aka 11t), 11u,
- 802.15.5 PAR extension
- 802.20.2 Standard for Conformance to IEEE 802.20 Systems – Protocol Implementation Conformance Statement(PICS)Pro-forma
- 802.20.3 Standard for Minimum Performance Characteristics of 802.20 Terminals and Base Stations
- 802.22 Extension Request

PARs due to time out DEC08

- 802.1AC Standard for Media Access Control (MAC) Service Definition
- 802.1af Port-Based Network Access Control - Amendment 1: Authenticated Key Agreement for Media Access Control (MAC) Security
- 802.1ah Virtual Bridged Local Area Networks - Amendment 6: Provider Backbone Bridges
- 802.1aj Virtual Bridged Local Area Networks - Amendment 08: Two-port Media Access Control (MAC) Relay
- 802.3ar Amendment: Enhancements for congestion management
- 802.11v Wireless Network Management Amendment
- 802.11u Interworking with External Networks Amendment
- 802.11k Radio Resource Measurement of Wireless LANs Amendment
- 802.11p Wireless Access in Vehicular Environments
- 802.11r Fast BSS-Transition
- 802.11s ESS Mesh Networking
- 802.11.2 Recommended Practice for the Evaluation of 802.11 Wireless Performance
- 802.15.5 Recommended Practice for mesh topology capability in Wireless Personal Area Networks (WPANs)
- 802.16h Improved Coexistence Mechanisms for License-Exempt Operation Amendment
- 802.20 Broadband Wireless Access Systems Supporting Vehicular Mobility - Physical and Media Access Control Layer Specification
- 802.21 Standard for Media Independent Handover Services
- 802.22 Wireless Regional Area Networks (WRAN) - Specific requirements - Part 22: Cognitive Wireless RAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Policies and procedures for operation in the TV Bands

If these projects will not be submitted to RevCom in time for the December 2008 meeting, you need to take one of the following steps:

1. Request an extension for the project (PAR). Please note that this extension request can be from one to four years, although further justification may be requested for an extension request which exceeds two years.
2. Request withdrawal of the project (PAR).

Draft Standards to Sponsor Ballot

- Check with EC members
- 802.1: .1ak corr,
- 802.3: none
- 802.11: .11w
- 802.15: none
- 802.16: .16h, 16j - conditional
- 802.21: none

Draft Standards to RevCom

- Check with EC members
- 802.1: .1ah - conditional
- 802.3: .1ax, .3 revision-conditional
- 802.11: .11r, .11y - conditional
- 802.15: 15.3 reaffirmation - conditional
- 802.16: none
- 802.21: none
- 802.22: none

5.05 II

-

SA items

6.00 II

IEEE Staff Introductions

-

Nikolich

2

08:45 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: Standards Education Program Manager
- Bob LaBelle: Manager, Networks and Telecommunications
- Chris Sahr: Technical Project Manager, Attendance Automation
- Theresa DeCourcelle: Director SA Governance and International Programs
- Edward Rashba: Director New Business Ventures

IEEE-SA/802 Task Force

- Wednesday 1-3pm
- Tentative Agenda
 - GetIEEE 802
 - WPAN copyright
 - ITU-T Workshop
 - Patent Pools
 - Conformance Testing
 - Trademarks
 - Recirc Disapprove Comments
 - Better visibility of 802 Standards via SA Web interface
 - myBallot issues
 - myProject issues
 - ISO/IEC Work Item on Patent Valuation
 - Ombudsman feedback
 - 802 drafts for sale issues

6.02 II BOG directive regarding LMSC meeting planning contract - **Grow** **5** **08:54 AM**
This topic was covered under agenda item 5.00.

6.03 II Get IEEE802 program update and patent pool program update - **Kenney** **5** **08:56 AM**

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Get IEEE 802® Update 20 For LMSC March Plenary

Karen Kenney,
Associate Managing Director,
Business Administration

17 March 2008
Orlando, FL



Get IEEE 802® Update 20

Downloads

- Program to date 4,100,572
- Year to date (2007) 657,228
- Weekly average (2007) 12,639
- Year to date 2008 (Jan-Feb) 80,920
- Weekly average 2008 (Jan-Feb) 8,991
- Most requested:
 - 802.3™
 - 802.1X
 - 802.11™, .11a, .11b, .11e, .11i, .11g
 - 802-2001
 - 802.15.4
 - 802.16, .16e, .1q

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User Type (January – December 2007)

USER	Jan	Feb	Mar	Apr	May	June	July	August	September	October	November	December	YTD Total
Academic/Student:	18407	17846	20978	19377	17283	14789	16190	24210	17973	17885	17583	14811	217,332
Attorney/Legal	298	211	272	181	307	272	289	295	288	294	233	207	3,147
Other:	6789	5576	111871	6222	6511	5536	7737	7088	5496	6613	6670	4812	180,921
Network equipment manufacturer:	31407	4519	5282	5192	4986	7774	5283	5570	4317	5048	4338	3543	87,259
Public network service provider:	3096	2909	3502	3381	2948	2712	3452	3197	3026	1252	3026	2622	35,123
Network Software Developer/Manufacture	3407	3236	3517	3968	3494	3222	3477	3853	3522	3694	3061	2465	40,916
Systems Administrator:	1860	1728	2070	1634	2013	1592	1941	2119	2085	1704	1736	1742	22,224
Standards Developer:	1779	1621	1666	1668	1764	1520	2162	1935	1421	1681	1540	2235	20,992
Network silicon manufacturer:	1054	1113	1148	1114	1036	1154	1234	1121	942	1222	1016	783	12,937
Private network service provider:	1415	1276	1557	1393	1456	1175	1390	1397	1171	3135	1420	978	17,763
Government:	1231	999	1415	1296	1184	943	1268	1371	935	1396	1328	870	14,236
Journalist/Analyst/Author	373	324	487	346	437	390	322	396	300	345	355	303	4,378
Curious Citizen													-
Total	71,116	41,358	153,765	45,772	43,419	41,079	44,745	52,552	41,476	44,269	42,306	35,371	657,228

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User Type (January – February 2008)

USER	Jan	Feb	YTD Total
Academic/Student:	17629	16631	34,260
Attorney/Legal	250	334	584
Curious Citizen		6147	6,147
Government:	1104	4033	5,137
Journalist/Analyst/Author	324	2904	3,228
Network equipment manufacturer:	4616	2636	7,252
Network silicon manufacturer:	943	2017	2,960
Network Software Developer/Manufacturer	3083	1595	4,678
Other:	6027	986	7,013
Private network service provider:	1061	1085	2,146
Public network service provider:	2770	1083	3,853
Standards Developer:	1591	296	1,887
Systems Administrator:	1775		1,775
Total	41,173	39,747	80,920

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User Type (4/03-02/08)

USER	YTD Total
Academic/Student:	1,415,248
Attorney/Legal	7,143
Other:	623,960
Network equipment manufacturer:	401,633
Public network service provider:	236,825
Network Software Developer/Manufacturer	250,749
Systems Administrator:	177,078
Standards Developer:	127,805
Network silicon manufacturer:	86,326
Private network service provider:	109,000
Government:	102,159
Journalist/Analyst/Author	38687
Curious Citizen	74
Total	3,576,687*

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



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Program Entries

January - March 2008

IEEE Std

Added to Program

802.16k-2007	12 Mar 08
802.16/Conformance04-2006	11 Mar 08
802.11-2007	31 Mar 08*
802.1ak-2007	31 Mar 08*
802.3ap-2007	31 Mar 08*
802.17b-2007	31 Mar 08*

*Grandfathered back to 6 months.



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Program Entries

March – July 2008

IEEE Std

802.1ag

802.16g

On or about

17 Jun 2008*

1 Jul 2008*

Notes:

No 802 Standards were on the Dec 07 or Mar 08 RevCom Agendas.

P802.11k will be submitted for early consideration to RevCom in April.

*Based on 6-month wait period.

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Reminders/Updates

- Process of cleaning up web area to reflect change back to 6 month wait period
- Developing revenue recommendations for '09 budget process

IEEE-SA Patent Pool Program

- A 3 year “New Initiative” (now in Y2)
- Reviewed IEEE Standards’ letters of assurances (LOA) for potential programs
- Prepared Business Case (with Consultant)
- Received endorsement from IEEE-SA Board of Governors in March to proceed
 - Negotiations with leading patent licensing administrators on joint venture model
 - Identification of pilot programs

Paul was presented with a Superbowl XLII winner NY Giants hat by the IEEE New Jersey staff. This is to be displayed in his office until the next Superbowl.

6.04 II 802 attendance software

- Gilb

5

09:16 AM

This item delayed and taken out of order due to display issues on James' PC.

5

Project: IEEE P802 LAN/MAN Standards Committee

Submission Title: [March 2007 Attendance Software Development Update]

Date Submitted: [March 17 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 March 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.

Opening Plenary Report

Report on January beta test

- Most of the attendees (approximately 90-95%) needed help with one of the following:
 - Needed an IEEE Web Account
 - Forgot their IEEE Web Account username or password
 - Had multiple IEEE Web Accounts and did not know which one to use
 - Needed to log into myProject to enroll in the 802. committee
 - Had issues accessing Newton (which provided a link to Murphy)
- The problems with access, login and Web Accounts were addressed with some one-on-one instruction. A new set of instruction slides have been prepared.

Other issues

- The system did not accurately reporting if the user did not have their cookies enabled. - Corrected
- Page not found with Internet Explorer browsers, (Opera and Mozilla users had no trouble) - Corrected
- Some users who had their password reset were getting a page that said "try again later" in seven languages - Corrected
- A few users have duplicate Web accounts. C. Sahr has sent a memo to IEEE to resolve by merging/deleting duplicate accounts

Other issues

- The Murphy's cert wasn't signed – corrected
- Some user found that switching to 802.1x solved their log in problems – shouldn't be necessary now
- Typing in the Murphy address sometimes did not redirect to "https" causing a "page not found" error – corrected with new certificate – corrected
- If an attendee was entered in a meeting manually, that attendee may have to go into IMAT to verify their affiliation for that meeting – with the new affiliation process, this should be easier.

Other issues

- Responsibility for Murphy
 - Currently owned by 802
 - No group has agreed to take responsibility for upkeep and administration
- Interface with meeting planner database
 - Need to compare attendance database with registration database
 - Need to ensure that all getting attendance credit
pay registration

Unfinished items

- Portable (without Murphy) to allow off-line use.
- Access for attendees to view their attendance history.
- Chair able to set up the meeting (as opposed to staff).
- Post processing tweaking.
- Let chair (or designee) do attendance override
- Letter ballot integration (new request, being analyzed)

March plans

- Attendance software will be used as primary by 802.11, 802.15, 802.18, 802.19, 802.20, and 802.21

James reported that the attendance server was used in the Taipei interim meeting. There are still a few rough edges to be addressed. The software is hosted on a server named "Murphy". One issue is that there is no administrator contracted for this server. It was suggested that the network contractor (Verilan) be contracted for this service. Buzz suggested that a backup, synchronized server also be acquired. Tony asked that the attendance service be available online, to avoid the need to transport a server to interim meetings. Rick Alfvn reported that if Verilan hosts a backup server, this server could be used for online access at interims, eliminating the need to transport a server.

James recognized Harry Worstell and Stuart Kerry for their extensive work getting the attendance system up and running.

6.05 II Online Training Update - Thaler 5 09:10 AM

10 Pat reported that there is only a modest number of folks signing up to take the course, 10-15 per month. Only 3-5 persons complete the course each month. The cost to host the material is \$5,600 per year. A discussion of the cost effectiveness of the program resulted in suggestions that something should be done to better market the course and that members in leadership positions be required to take the course.

6.06 II SA Staff Liaison - Update - Kipness 5 09:15 AM

15 Mike reported that there is an idea for how to address the need to make drafts available for sale. Mike will send a request each month to the WG/TAG chairs. He indicated that once he is made aware of new drafts, they can be available for sale within two weeks.

6.07 II -

6.08 II -

6.09 II -

6.10 II -

LMSC items

7.00 II TREASURER'S REPORT - Hawkins 5 09:31 AM

20

DRAFT

**IEEE Project 802
Statement of Operations
Nov 2007 Plenary Session
Atlanta, GA
As of Mar 15, 2008**

Session Income	dB	Est/Act	Budget	Deviation
Net Registrations		1,424	1,200	224
75.8% 1080 Early Registrations @ \$400	\$ 432,000			
14 Early cancellations @ \$400	(5,600)			
35 Cancellations @ \$350	(12,250)			
24.0% 342 Registrations @ \$500	171,000			
3 Cancellation @ \$500	(1,500)			
2 Cancellation @ \$450	(900)			
0.1% 2 Student @ \$150	300			
1 Other credits @ \$100	(100)			
Registraion Subtotal	\$ 582,950	\$ 581,950	\$ 512,664	\$ 69,286
0 Deadbeat Payment @ \$500		0	0	0
Interest		223	200	23
Other (Hotel comps and commission)		75,252	50,000	25,252
TOTAL Session Income		\$ 657,425	\$ 562,864	\$ 94,561

Session Expenses	Est/Act	Budget	Deviation
Audio Visual Rentals	20,063	18,000	(2,063)
Audit	0	6,000	6,000
Bank Charges	354	500	146
Copying	3,917	3,500	(417)
Credit Card Discounts & Fees	18,891	14,355	(4,536)
Equipment Expenses	15,174	11,000	(4,174)
Get IEEE 802 Contribution	124,800	90,000	(34,800)
Insurance	0	0	0
Meeting Administration	85,006	75,064	(9,942)
Misc Expenses	5,503 *	2,500	(3,003)
Networking	65,707	60,000	(5,707)
Other Expenses	0 **	0	0
Phone & Electrical	278	2,500	2,222
Refreshments	154,887	120,500	(34,387)
Shipping	12,293	15,000	2,707
Social	54,981	45,000	(9,981)
Supplies	263	1,500	1,237
TOTAL Session Expense	\$ 562,116	465,419	(96,697)
NET Session Surplus/(Deficit)	95,309	97,445	(2,136)
Analysis			
Refreshments per registration	109	100	(8)
Social per registration	39	38	(1)
Meeting Admin per registration	60	63	3
Surplus(Loss) per registration	67	81	(14)

* Misc items: Hotel gratuity, CD production, registration desk rental, 802.20 travel reimb

** Other expenses: N/A

Cash recognized on hand as of Mar 15, 2008	\$ 916,545	
Reserve for unpaid expenses for prior sessions		
Reserve for other outstanding commitments	(5,600)	Avilar renewal?
Income received for current session	(49,942)	
Expenses prepaid for current session	43,083	
Expenses prepaid for future session:	0	
Operating Reserve following this session	\$ 904,086	

IEEE Project 802
Estimated Statement of Operations
March 2008 Plenary Session
Orlando, FL
As of Mar 15, 2008

DRAFT

Meeting Income	<i>Estimate</i>	Budget	Variance
Registrations	1,450	1,300	150
Registration income	623,500	559,000	64,500
Cancellation refunds	(12,470)	(11,180)	
Deadbeat collections		0	0
Bank interest	500	150	350
Other income	75,000	75,000	0
TOTAL Meeting Income	\$ 686,530	\$ 622,970	63,560

Meeting Expenses	<i>Estimate</i>	Budget	Variance
Audio Visual Rentals	25,500	\$ 25,500	0
Audit	6,000	6,000	0
Bank Charges	450	450	0
Copying	2,600	3,000	400
Credit Card Discount	17,458	15,652	(1,806)
Equipment Expenses	15,000	15,000	0
Get IEEE 802 Contribution	108,750	97,500	(11,250)
Insurance	3,000	3,000	0
Meeting Administration	88,057	80,861	(7,196)
Misc Expenses	5,000	5,000	0
Network	68,000	68,000	0
Other Expenses	5,600	5,600	
Phone & Electrical	1,000	2,300	1,300
Refreshments	150,000	135,000	(15,000)
Shipping	19,000	19,000	0
Social	55,000	49,000	(6,000)
Supplies	800	800	0
Other Discounts	0	0	0
TOTAL Meeting Expense	\$ 571,215	\$ 531,663	(39,552)

NET Meeting Income/Expense	<u>\$ 115,316</u>	<u>\$ 91,307</u>	24,009
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Analysis

Refreshments per registration	103	104	0
Social per registration	38	38	(0)
Meeting Administration per regi	61	62	1
Networking per registration	47	52	5
Get IEEE 802 Contribution per r	75	75	0
Surplus/Deficit per registration	80	70	9
Pre-registration rate	70%	70%	

John indicated that we will be in the neighborhood of our target of \$1M in our reserve funds. Given this position, he believes we should discuss changing our meeting fees.

7.01 II

-

7.02 II LMSC Email Ballot Recap

-

Nikolich

5

09:44AM

LMSC Email Ballot Recap

		yes/no/abs/dnv
• 29NOV	Replace Rome with Vancouver	12/02/2/0
• 04JAN	802.20 Bloc approval (UC-EC)	07/01/0/1
• 21JAN	Extend coverage of Greenspan expense to 08MAR	13/0/0/3
• 16MAR	802.20 officer election procedure	?
• 17MAR	802.20 bloc change request procedure	?

Some concern was expressed by members about the changes to the 802.20 procedure during the process of the email ballot. The concern is that it was not clear that votes were cast for the final version of the procedure by those that voted early.

7.03 MI LMSC Meeting Fee Waivers - Nikolich 2 09:52 AM

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Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
 - IEEE-SA Staff Participants (per previous slide)
 - Invited Participants
 - Arnie Greenspan (dot20)

Tutorial Schedule

Monday	Tuesday
1) Visible Light Communications 6:30-8:00PM sponsor: Heile	3) Education, Mentoring and Support update 6:30-8:00PM sponsor: Thaler
2) New Attendance Data Gathering Tool 8:00-9:30PM sponsor: Kerry	4) Security Signaling during Handovers 8:00-9:30PM sponsor: Gupta

7.05 II JTC1/SC6 update - Thompson 5 09:56 AM

5 Geoff reported that he attended the SC6 comment resolution meeting on 8802-1. He indicated that the meeting was largely overshadowed by the agreement between IEEE and ISO JTC1 on cooperative development of standards. This agreement should make it much easier to run standards through ISO approval, making it clear that IEEE standards are fully recognized by ISO and may be referenced therein.

The U.S. TAG will be meeting this week. Terry Decourcelle will be briefing the TAG on the ISO/IEEE agreement.

10 A question was asked about the need to continue/abandon work that is currently in process to get standards approved in ISO using the process prior to the ISO/IEEE agreement. Geoff indicated that each working group should review the agreement and make their own decisions.

7.06 II

-

7.07 II P&P update

-

Sherman

15

09:59 AM

EC Update on LMSC Policy and Procedures

Author:

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

Date: March 17th , 2008

Summary of P&P Activities

- Current P&P can be found at
 - <http://standards.ieee.org/board/aud/LMSC.pdf>
- Draft revision to divide P&P and OM created
 - <http://grouper.ieee.org/groups/802/secmail/msg10324.html>
 - Some comments received
- Held Sunday Night P&P Review
 - Focused on comments received for OM revision
- Tutorial input on revision planned for Tuesday

The Operations Manual (OM) Revision

Approach taken

- Started with baseline P&P from AudCom
- Filed in material from Existing LMSC P&P
 - Some areas of baseline P&P are not editable
 - Favored baseline over LMSC P&P
 - Tried to minimize material moved to new P&P
- Moved remaining material into OM
- Created recommended changes for AudCom baseline P&P
 - There are some clear issues with their document
 - Will submit for consideration at next AudCom
- Plan on vote to send to ballot on Friday

Documentation Provided

- Clean copy of New P&P from ballot
- Clean copy of OM for ballot
- Marked up copy of New P&P
 - Explains where each text comes from
 - Provides some rationale if changes
- Marked up copy of OM
 - Explains where each text comes from
 - Provides some rationale if changes
- Remapping of current P&P
 - Explains where each line of current P&P wound up
- Recommended modifications to Baseline P&P

Other Matters

Sunday P&P Review Meeting

- About 3 hours
- Focus on reviewing comments for OM revision
- Comments primarily received from
 - Steve Shellhammer
 - Tony Jeffree
 - Bob Grow
- Planning an updated revision of ballot materials based on inputs

7.08	II		-			
7.09	II	notice of PARs under consideration	-	WG chairs	5	10:06 AM
Covered in agenda item 5.02.						
7.10	II	notice of Study Groups under consideration	-	WG chairs	5	10:07 AM

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Status of Study Groups

- WG chairs to report
 - SGs?
 - 802.1 - none
 - 802.3 - none
 - 802.11 - renew video transport SG, renew very high throughput, (2nd ext)
 - 802.15 - renew RFID (1st ext request, may take 1 yr)
 - 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 (2nd ext)
 - 802.22 - none
 - Emergency Communications—work to continue in 802.21

Opening Plenary Agenda

- 1) The usual—
Financial Report (Hawkins), Patent Policy (Thompson), Membership Policy and P&P update (Sherman), New Member/Mentoring update (Thaler), general announcements (tutorials, new PARs, etc.-Rigsbee),
- 20 minutes
Q&A on above topics
- 10 minutes

- 2) Automate Attendance Gathering Software update (Gilb/Sahr)
-10 minutes
Q&A on presentation
- 10 minutes (Nikolich moderates).

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

7.12	II		-		
7.13	DT		-		
7.14	DT		-		
7.15	DT		-		
7.16	II	Non-North American venue update	-	Rigsbee	10 10:11 AM

IEEE-P802: Current Potential non-North-American Plenary Hosts - Status Report**MARCH 2011**

- #1 **VENUE:** Venetian Macao Resort Hotel, Macao, PRC
HOST: Phil Barber & Jim Carlo, Huawei Technologies Co., Ltd.
- #2 **VENUE:** Marina Bay Sands Hotel, Singapore
HOST: T.K. Tan, GCT Semiconductor & Singapore Tourist Bureau
- #3 **VENUE:** ITU HQ and CICG/CCV Complex, Geneva, Switzerland
HOST: Glenn Parsons, Nortel Networks & ITU

MARCH 2012

- #1 **VENUE:** ITU HQ and CICG/CCV Complex, Geneva, Switzerland
HOST: Glenn Parsons, Nortel Networks and ITU
- #2 **VENUE:** Tel Aviv, Israel - Venue yet to be determined
HOST: Naftali Chayat, Alvarion

JULY 2013

- #1 **VENUE:** University of Twente, Enschede, The Netherlands
HOST: Wilma Hiddink, Program & Event Administrator, University of Twente

7.17 II Status update on 802 appeals - O'Hara 2 10:24 AM
There are no appeals at this time.

7.18 II Update on ITU-R activities - Lynch 5 10:24 AM

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Update on ITU-R and IMT-Advanced

- At the November meeting IEEE 802:
 - Approved an input to ITU-R WP5D on IMT-Advanced Requirements
 - Approved an input to ITU-R WP5D on IMT-Advanced Evaluation
- These documents were presented at the January meeting of WP5D in Geneva
 - A total of four persons from IEEE 802.11, 802.16 and 802.18 attended the WP5D meeting as IEEE

Update on ITU-R and IMT-Advanced

- As a result of this meeting WP5D issued a circular letter
 - Significant elements are missing
 - No technical requirements, evaluation criteria, no submission templates nor how many test environments
- Agreed that these items need to be added at the June meeting in the UAE
 - That presumes consensus on these critical items

Update on ITU-R and IMT-Advanced

- For the March IEEE 802 meeting
 - Further inputs to WP5D will be developed including responding to ITU-R liaisons
 - Inputs may be directed to the ITU-R correspondence groups that have been established
- IEEE 802 WGs need to decide if they will participate in a joint input on IMT-Advanced
 - If yes then this meeting needs to develop a timeline
 - Work to be completed by the November, 2008 meeting

7.19	II		-		
7.20	II	Educational Activities Update	-	Nikolich	5 10:29 AM

Paul indicated that he will report n this in the closing EC meeting.

7.21	II	802.11/802.1 Collaboration on Video Transport Streams	-	Kerry/Jeffree	5 10:29AM
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Stuart reported that there was a successful joint 802.1/802.11 meeting, resulting in changes to the 802.11 VTS PAR that have now been submitted to the EC for approval.

5

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 10:31 AM

EC meetings for the week

(held in Regents Boardroom)

- Monday 3-5pm meeting planner RFQ prep (Rigsbee)
- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm open
- Tuesday 1-2pm open
- Tuesday 3-5pm meeting planner RFQ prep (Rigsbee)
- Tuesday 7:30-8:30 PSDO review (Thompson/DeCourcelle)
- Tuesday 8:30-10pm reserved (Thompson)

- Wed 9-10am Attendance SW (Gilb)
- Wed 10-11am 802 budget/treasury review (Hawkins)
- Wed 11-noon getIEEE 802 budget discussion (Hawkins)
- Wed noon-1pm non-North American venue discussion (Rigsbee)
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-5pm meeting planner RFQ prep (Rigsbee)

- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thursday 5-7pm open

Paul asked Karen Kenney to report on the 802 ombudsman. Karen reported that there was one official inquiry (confidential). This issue has been resolved to the satisfaction of the requester.

ADJOURN SEC MEETING

- **Nikolich**

10:35 AM

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The EC meeting was adjourned at 10:35.

8.00 PL IEEE 802 PLENARY MEETING STARTS

- **Nikolich**

60 11:00 AM

IEEE802 Monday Plenary Agenda

- 11:00 Welcome Nikolich
 - Financial Report (Hawkins),
 - Patent Policy (Thompson),
 - Membership Policy and P&P update (Sherman),
 - New Member/Mentoring update (Thaler),
 - general announcements (tutorials, new PARs, etc.-Rigsbee) - 20 minutes
 - Q&A on above topics - 10 minutes
- Automate Attendance Gathering Software update (Gilb/Sahr) -10 minutes
 - Q&A on presentation - 10 minutes
- Closing remarks, notices, adjourn - 5 minutes

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

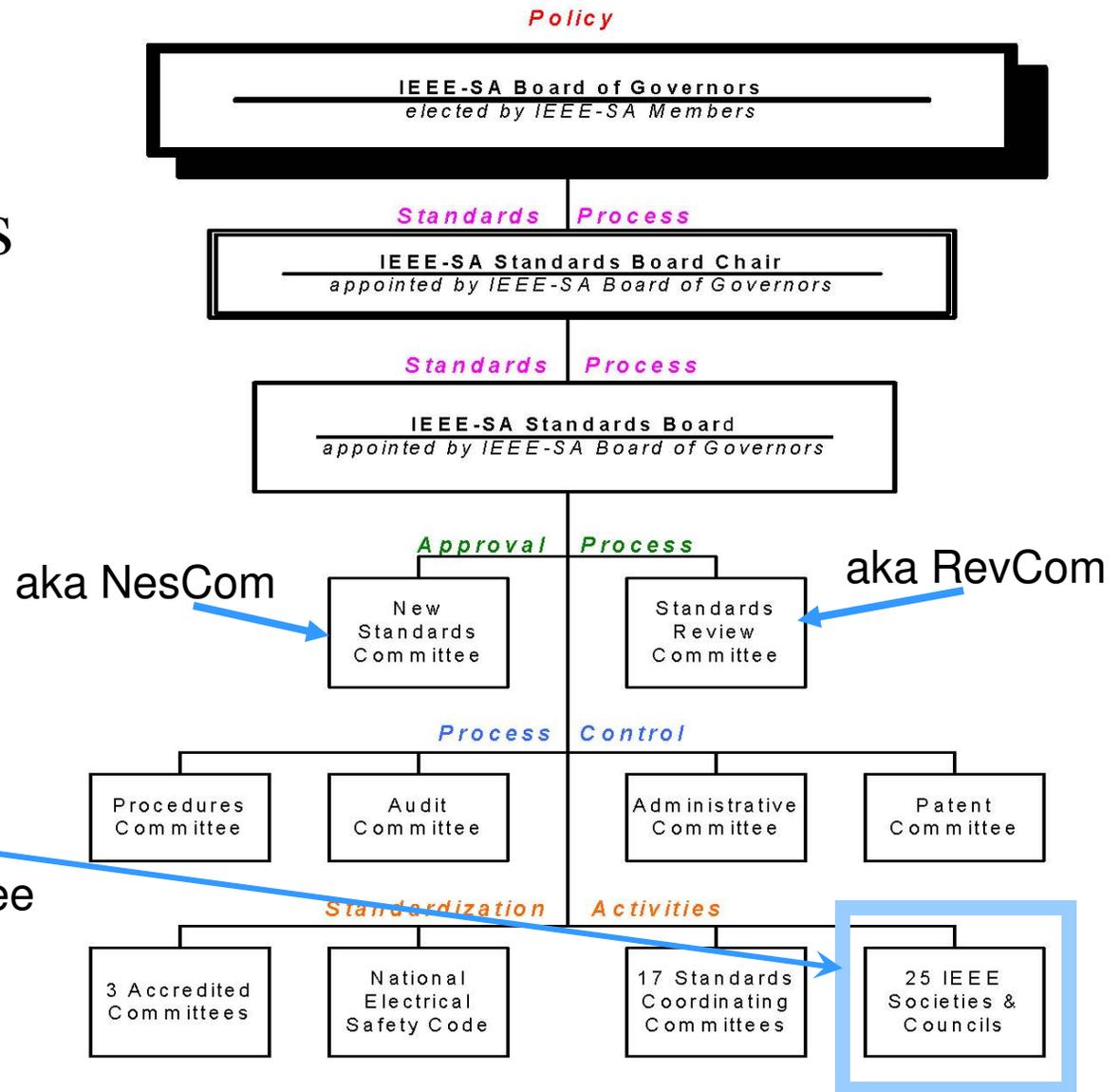
Paul announced that election of WG/TAG chairs occur during the March plenary in even numbered years. These elections will take place this week and need to be confirmed by the EC on Friday. In addition, the appointed positions on the EC will be made and affirmed by the EC on Friday.

5

Paul recognized the contributions of two EC members that will not be participating in the future. He thanked Bob O'Hara, who is retiring, and Arnie Greenspan, who will be replaced by an elected chair of 802.20, for their participation and contributions to 802.

10

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: Standards Education Program Manager
- Bob LaBelle: Manager, Networks and Telecommunications
- Chris Sahr: Technical Project Manager, Attendance Automation
- Theresa DeCourcelle: Director SA Governance and International Programs
- Edward Rashba: Director New Business Ventures

Awards

- **IEEE Std 802.1ag-2007 Published December 17, 2007**
 - **Tony Jeffree**
 - **Stephen Haddock**
 - **Paul Congdon**
 - **Norman Finn**
- **IEEE Std 802.15.4a-2007 Published August 31, 2007**
 - **Robert F. Heile**
 - **Jay Bain**
 - **Patrick Houghton**
 - **Phil Orlik**
 - **Michael McLaughlin**
 - **Kyung-Luk Lee**
 - **Benjamin A. Rolfe**
 - **John Lampe**
 - **Patrick W. Kinney**
 - **Vern Brethour**
 - **Zafer Sahinoglu**
 - **Ismail Lakkis**
 - **Rainer Hach**
 - **Matt Welborn**
 - **Camillo Gentile**

In Memory of David James

- David V. James
 - David was a great contributor to several 802 standards, and a respected member of the IEEE SA RAC and Microprocessor Standards Committee.

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.

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
Nov 2007 Plenary Session
Atlanta, GA
As of Mar 15, 2008**

Session Income	dB	Est/Act	Budget	Deviation
Net Registrations		1,424	1,200	224
75.8% 1080 Early Registrations @ \$400	\$ 432,000			
14 Early cancellations @ \$400	(5,600)			
35 Cancellations @ \$350	(12,250)			
24.0% 342 Registrations @ \$500	171,000			
3 Cancellation @ \$500	(1,500)			
2 Cancellation @ \$450	(900)			
0.1% 2 Student @ \$150	300			
1 Other credits @ \$100	(100)			
Registraion Subtotal	\$ 582,950	\$ 581,950	\$ 512,664	\$ 69,286
0 Deadbeat Payment @ \$500		0	0	0
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Insurance	0	0	0
Meeting Administration	85,006	75,064	(9,942)
Misc Expenses	5,503 *	2,500	(3,003)
Networking	65,707	60,000	(5,707)
Other Expenses	0 **	0	0
Phone & Electrical	278	2,500	2,222
Refreshments	154,887	120,500	(34,387)
Shipping	12,293	15,000	2,707
Social	54,981	45,000	(9,981)
Supplies	263	1,500	1,237
TOTAL Session Expense	\$ 562,116	465,419	(96,697)
NET Session Surplus/(Deficit)	95,309	97,445	(2,136)
Analysis			
Refreshments per registration	109	100	(8)
Social per registration	39	38	(1)
Meeting Admin per registration	60	63	3
Surplus(Loss) per registration	67	81	(14)

* Misc items: Hotel gratuity, CD production, registration desk rental, 802.20 travel reimb

** Other expenses: N/A

Cash recognized on hand as of Mar 15, 2008	\$ 916,545	
Reserve for unpaid expenses for prior sessions		
Reserve for other outstanding commitments	(5,600)	Avilar renewal?
Income received for current session	(49,942)	
Expenses prepaid for current session	43,083	
Expenses prepaid for future session:	0	
Operating Reserve following this session	\$ 904,086	

IEEE Project 802
Estimated Statement of Operations
March 2008 Plenary Session
Orlando, FL
As of Mar 15, 2008

DRAFT

Meeting Income	<i>Estimate</i>	Budget	Variance
Registrations	1,450	1,300	150
Registration income	623,500	559,000	64,500
Cancellation refunds	(12,470)	(11,180)	
Deadbeat collections		0	0
Bank interest	500	150	350
Other income	75,000	75,000	0
TOTAL Meeting Income	\$ 686,530	\$ 622,970	63,560
Meeting Expenses	<i>Estimate</i>	Budget	Variance
Audio Visual Rentals	25,500	\$ 25,500	0
Audit	6,000	6,000	0
Bank Charges	450	450	0
Copying	2,600	3,000	400
Credit Card Discount	17,458	15,652	(1,806)
Equipment Expenses	15,000	15,000	0
Get IEEE 802 Contribution	108,750	97,500	(11,250)
Insurance	3,000	3,000	0
Meeting Administration	88,057	80,861	(7,196)
Misc Expenses	5,000	5,000	0
Network	68,000	68,000	0
Other Expenses	5,600	5,600	
Phone & Electrical	1,000	2,300	1,300
Refreshments	150,000	135,000	(15,000)
Shipping	19,000	19,000	0
Social	55,000	49,000	(6,000)
Supplies	800	800	0
Other Discounts	0	0	0
TOTAL Meeting Expense	\$ 571,215	\$ 531,663	(39,552)
NET Meeting Income/Expense	\$ 115,316	\$ 91,307	24,009
Analysis			
Refreshments per registration	103	104	0
Social per registration	38	38	(0)
Meeting Administration per regi	61	62	1
Networking per registration	47	52	5
Get IEEE 802 Contribution per r	75	75	0
Surplus/Deficit per registration	80	70	9
Pre-registration rate	70%	70%	

LMSC Policy and Procedures Update

Author:

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

Date: March 17th, 2008

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

- Current P&P can be found at
 - <http://standards.ieee.org/board/aud/LMSC.pdf>
- Draft revision to divide P&P and OM created
 - <http://grouper.ieee.org/groups/802/secmail/msg10324.html>
 - Some comments received
- Held Sunday Night P&P Review
 - Focused on comments received for OM revision
- Tutorial input on revision planned for Tuesday

Current P&P Issues

- Restructuring of P&P per AudCom
 - Creation of Operations Manual

Questions?

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

IEEE Standards Process Training

- Ever find the process here confusing?
 - Why do we have study groups?
 - What's a PAR?
 - How do you get your standard approved?
- Need a quick refresher on the process?
- Help is at hand:
 - Free on line training at:
<http://iee802.org/training.htm>
- Learn or review the IEEE Standards process in 3 hours or less.

Pat also reported that there is a newcomer training session prior to the opening plenary meeting at every 802 plenary session. She also reported that there will be a tutorial session Tuesday on the rules updates that have been made in the last few months.

Tutorial Schedule

Monday	Tuesday
1) Visible Light Communications 6:30-8:00PM sponsor: Heile	3) Education, Mentoring and Support update 6:30-8:00PM sponsor: Thaler
2) New Attendance Data Gathering Tool 8:00-9:30PM sponsor: Gilb	4) Security Signaling during Handovers 8:00-9:30PM sponsor: Gupta

EC meetings for the week

(held in Regents Boardroom)

- Monday 3-5pm meeting planner RFQ prep (Rigsbee)
- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm open
- Tuesday 1-2pm open
- Tuesday 3-5pm meeting planner RFQ prep (Rigsbee)
- Tuesday 7:30-8:30 PSDO review (Thompson/DeCourcelle)
- Tuesday 8:30-10pm reserved (Thompson)

- Wed 9-10am Attendance SW (Gilb)
- Wed 10-11am 802 budget/treasury review (Hawkins)
- Wed 11-noon getIEEE 802 budget discussion (Hawkins)
- Wed noon-1pm non-North American venue discussion (Rigsbee)
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-5pm meeting planner RFQ prep (Rigsbee)

- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thursday 5-7pm open

IEEE-P802: Current Potential non-North-American Plenary Hosts - Status Report**MARCH 2011**

- #1 **VENUE:** Venetian Macao Resort Hotel, Macao, PRC
 HOST: Phil Barber & Jim Carlo, Huawei Technologies Co., Ltd.
- #2 **VENUE:** Marina Bay Sands Hotel, Singapore
 HOST: T.K. Tan, GCT Semiconductor & Singapore Tourist Bureau
- #3 **VENUE:** ITU HQ and CICG/CCV Complex, Geneva, Switzerland
 HOST: Glenn Parsons, Nortel Networks & ITU

MARCH 2012

- #1 **VENUE:** ITU HQ and CICG/CCV Complex, Geneva, Switzerland
 HOST: Glenn Parsons, Nortel Networks and ITU
- #2 **VENUE:** Tel Aviv, Israel - Venue yet to be determined
 HOST: Naftali Chayat, Alvarion

JULY 2013

- #1 **VENUE:** University of Twente, Enschede, The Netherlands
 HOST: Wilma Hiddink, Program & Event Administrator, University of Twente

IEEE-SA MEETING ATTENDANCE TOOL

NOTE: This is for attendance and voting rights in the meeting; make sure you register for the meeting

STEP 1. Do you have an IEEE Web Account (IEEE Database)?

- NO :
 - GO CREATE A WEB ACCOUNT → www.ieee.org → **Set up IEEE Web Account**
 - FOLLOW THE INSTRUCTIONS TO CREATE NEW WEB ACCOUNT
- YES:
 - I have an IEEE Web Account and remember your username and password.
 - GO TO STEP 2 (myProject Activity Profile)
- MAYBE:
 - I have an IEEE Web Account but don't remember the password.
 - RESET YOUR PASSWORD → www.ieee.org → **Set up IEEE Web Account**
 - I don't remember my IEEE Web Account USERNAME → See Michael or Christina

STEP 2. Did you enter your activity profile in myProject (Standards Association Database)?

- NO:
 - **Log onto myProject** → <https://development.standards.ieee.org/my-site>
 - FOLLOW THESE INSTRUCTIONS
 - Click Manage Activity Profile
 - Expand IEEE COMPUTER SOCIETY
 - Expand LOCAL AND METROPOLITAN AREAS NETWORKS
 - Check the box for the working group (GREEN) that you are interested in
 - Click CONTINUE
 - Claim affiliation
- YES: Go to step 3

STEP 3. Register your attendance at each session

- Log onto the local server at: <http://murphy.events.ieee.org/imat/>

Q: What can be accomplished at an interim meeting when a quorum is not present?

A:

O'Hara: There is no LMSC P&P requirement for a quorum at interim meetings. The use of Robert's Rules of Order as a suggested guide for parliamentary procedure indicates that no business can be conducted without a quorum present. Pat Thaler later corrected this statement by reporting that a quorum is required at any meeting of a WG/TAG that is not coincident with the LMSC plenary session.

Grow: the LMSC P&P do authorize a chair to put things to electronic ballot.

Thaler: WGs have approved measures to allow WG ballots after a subsequent interim meeting.

Stevenson: 802.22 has conducted electronic ballots to authorize such ballots after interim meetings.

Q: How do issues of voting membership get addressed when the person responsible is not available?

A: Kerry: please discuss this directly with the chair.

8.01 PL IEEE 802 PLENARY MEETING ENDS

12:00 PM

The meeting was adjourned at 12:10pm

Respectfully submitted,
Bob O'Hara
Recording Secretary