

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

Monday, July 14, 2008 - 8:00 a.m.

Denver, CO

EC members present:

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
 James Gilb - 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
 David Law - Chair, IEEE 802.3 - CSMA/CD Working Group
 Bruce Kraemer - 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 Lemmon - 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
 Mark Klerer - 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

2.00 MI APPROVE OR MODIFY AGENDA - Nikolich

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	II Returning 802 EC and 802.20 WG to normal operation	-	Nikolich	2	08:07 AM
4.02	MI Dissolve 802 UC-EC classification	-	Gilb	5	08:09 AM
	Category (* = consent agenda)				08:14 AM
	BoG and Stds Board items				08:14 AM
5.00	II BoG Actions	-	Nikolich	5	08:14 AM
5.01	II Stds Board Actions (approved projects, standards, withdrawals)	-	Nikolich	2	08:19 AM
5.02	II PARS to NesCom	-	Nikolich	2	08:21 AM
5.03	II List of Drafts to Sponsor Ballot	-	Nikolich	2	08:23 AM
5.04	II List of Drafts to Revcom	-	Nikolich	2	08:25 AM

5.05	MI	Withdraw all 802.5 standards	- Law	5	08:27 AM
					08:32 AM
		SA items			08:32 AM
6.00	II	IEEE Staff Introductions	- Nikolich	2	08:32 AM
6.01	II	802 Task Force update	- Nikolich	5	08:34 AM
6.02	II		-		08:39 AM
6.03	II	Get IEEE802 program update	- Kenney	5	08:39 AM
6.04	II	SA Strategic Plan overview	- Kenney	5	08:44 AM
6.05	II		-		08:49 AM
6.06	II	Online Training Update	- Thaler	5	08:49 AM
6.07	II	SA Staff Liaison - Update	- Kipness	5	08:54 AM
6.08	II		-		08:59 AM
6.09	II		-		08:59 AM
6.10	II		-		08:59 AM
		LMSC items			08:59 AM
					08:59 AM
7.00	II	TREASURER'S REPORT	- Hawkins	5	08:59 AM
7.01	II		-		09:04 AM
7.02	II		-		09:04 AM
7.03	II	LMSC Email Ballot Recap	- Nikolich	5	09:04 AM
7.04	II	LMSC Meeting Fee Waivers	- Nikolich	2	09:09 AM
7.05	II	Tutorial schedule	- Nikolich	5	09:11 AM
7.06	II	JTC1/SC6 update	- Thompson	10	09:16 AM
7.07	II	P&P update	- Sherman	15	09:26 AM
7.08	II	Allegation of dominance/findings	- Kraemer	5	09:41 AM
7.09	II		-		09:46 AM
7.10	II		-		09:46 AM
7.11	II		-		09:46 AM
7.12	II	Notice of Study Groups under consideration/status of existing SGs	- WG chairs	5	09:46 AM
7.13	II	Revised Opening Plenary update	- Nikolich	2	09:51 AM
7.14	II		-		09:53 AM
7.15	II		-		09:53 AM
7.16	II	MP-RFP Status and Action Plan	- Rigsbee	5	09:53 AM
7.17	II	nNA-Venues Hosts RFP Responses and Action Plan	- Rigsbee	5	09:58 AM
7.18	II	Network Services Vendor Contract Renewal Report and Action Plan	- Rigsbee	5	10:03 AM
7.19	II	Status update on 802 appeals	- Gilb	2	10:08 AM
7.20	II	Update on ITU-R activities	- Lynch	5	10:10 AM
7.21	II		-		10:15 AM
7.22	II		-		10:15 AM
7.23	II		-		10:15 AM
7.24	II		-		10:15 AM
7.25	II	Attendance tool slides	- Sahr	10	10:15 AM
7.26	II		-		10:25 AM
7.27	II		-		10:25 AM
7.28	II		-		10:25 AM

7.29	II		-		10:25 AM
7.30	II		-		10:25 AM
7.31	II		-		10:25 AM
7.32	II		-		10:25 AM
7.33	DT	EC meeting schedule (rules, SA, etc.)	-	Nikolich	3 10:25 AM
		ADJOURN SEC MEETING	-	Nikolich	10:28 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

Motion is to approve the agenda unmodified

Moved by Law, seconded by Kraemer

Vote: 15/0/0, motion passes

3.00 * APPROVE / MODIFY MINUTES OF PREVIOUS MEETING - Nikolich
 (Approved as part of consent agenda)

4.00 EC member affiliation updates - Nikolich

Nikolich asked if there were any changes in affiliation. No changes in affiliation were reported



Standards Project Authorization

1. <u>August 25, 1979</u> Date of Request	Project No. <u>802</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> <u>Beaverton, OR 97077 (503) 644-0161 Ext. 6234</u> City State Zip Code Telephone	
10. Submitted by: Name: <u>Dr. Robert G. Stewart</u> Company: <u>Stewart Research Enterprises</u> Street address: <u>1650 Belvoir Drive</u> <u>Los Altos, CA 94022 (415) 941-6699</u> City State Zip Code Telephone	

July 2008
IEEE 802
LMSC

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

- Current roster of non-conflicted EC members:
 - Paul Nikolich, John Hawkins, Buzz Rigsbee, James Gilb, Mike Lynch, Geoff Thompson, Tony Jeffree, Bob Heile, John Lemon, David Law, Bruce Kraemer (qty=11)
- Current roster of conflicted EC members:
 - Mat Sherman, Pat Thaler, Roger Marks, Steve Shellhammer, Vivek Gupta, Carl Stevenson (qty=6)
- Since the 802.20 project is complete, EC will consider dissolution.

4.01 II Returning 802 EC and 802.20 WG to normal operation

- Nikolich

Returning 802 EC and 802.20 to normal operation

- 802.20 Standard SASB Approved June 2008
- UC-EC email ballot to return 802.20 WG to normal operation passed 9/0/0/0
- Return 802 EC to normal operation
 - Motion:
Eliminate the EC practice of 802.20 UC-EC classifications and the conduct of votes related to 802.20 only by the UC-EC, returning the 802 EC to normal operation
moved: Gilb seconded: Lemon

4.02 MI Dissolve 802 UC-EC classification

- **Gilb**

Moved: Eliminate the EC practice of 802.20 UC-EC classifications and the conduct votes related to 802.20 only by the UC-EC, returning the 802 EC to normal operation. Moved Gilb seconded Lemon

Discussion regarding the change to 802.20's operation based on the EC email ballot.

Discussion on the wording of the motion. Editorial change to the motion resulted in:

Moved: Eliminate the EC practice of 802.20 UC-EC classifications and conduct the votes related to 802.20 only by the UC-EC, returning the 802 EC to normal operation

UC-EC members only: 9/0/0, Motion is approved.

BoG and Stds Board items

5.00 II BoG Actions

- **Nikolich**

May/June 2008

SA BoG Actions

- BoG approved the Strategic Plan
 - Kenney will provide details later
- Nikolich running for 'at-large' seat on 2009-2010 BoG in fall election
 - Requests you and your group's support to maximize 802 representation on BoG
 - Opponent is Andrew Drozd of EMC Society

5.01 II Stds Board Actions (approved projects, standards, withdrawals) - Nikolich

March/June 2008

SA Standards Board Actions

Standards Approved

New:

P802.1ah/D4.2- Virtual Bridged Local Area Networks - Amendment 6: Provider Backbone Bridges (JUN08)

P802.20/D4.1m- Standard Air Interface for Mobile Broadband Wireless Access Systems Supporting Vehicular Mobility - Physical and Media Access Control Layer Specification (JUN08)

Revisions: none

Reaffirmations: none

Corrigendum: none

Extensions: none

Withdrawals: none

March/June 2008

SA Standards Board Actions

Projects Approved

New:

P802.11aa- Amendment: MAC enhancements for robust audio video streaming (MAR08)

P802.1Qaz-Virtual Bridged Local Area Networks - Amendment: Enhanced Transmission Selection for Bandwidth Sharing Between Traffic Classes Recommendation (MAR08)

P802.1Qbb-Virtual Bridged Local Area Networks - Amendment: Priority-based Flow Control (M08)

P1900.5 Standard on Policy Language and Policy Architectures for Managing Cognitive Radio for Dynamic Spectrum Access Applications Recommendation (MAR08)

Revisions:

P802.1X Standard for Local and metropolitan area networks - Port-Based Network Access Control

Reaffirmations: none

Extensions: P802.22 (JUN08)

Withdrawals:

P802.1af-Port-Based Network Access Control - Amendment 1: Authenticated Key Agreement for Media Access Control (MAC) Security (MAR08)

P802.16i- Mobile Management Information Base Amendment (MAR08)

5.02 II PARS to NesCom

- **Nikolich**

802.1: 802.1ac – extension request, 802.1AB-REV – PAR modification

802.3: 802.3ba – 5 criteria modification

802.11: VHT < 6 GHz – new PAR, VHT 60 GHz – new PAR, 802.11.2 – Withdrawal

802.15: 802.15.5 – PAR extension

802.16: 802.16h – extension request

802.17: 802.17 – Maintenance/revision request

802.20: 802.20a – Management information base (MIB) enhancements and MIB corrigenda

802.21: 802.21a – Security extensions to media independent handover services and protocol

802.22: No change

Draft PARs to NesCom

- 802.1 dot1ac extension request, dot1ab PAR modification
- 802.3 dot3ba 5 criteria modification
- 802.11- Very High Throughput, below 6GHz project
- 802.11- Very High Throughput, 60 GHz project
- 802.11-dot11.2 TGt withdrawal
- 802.15.5 PAR extension
- 802.16 dot16h extension request
- 802.17 dot17 maint/revision request
- 802.20a - Management Information Base (MIB) Enhancements and MIB Corrigenda Items
- 802.21a - Security Extensions to Media Independent Handover Services and Protocol
- 802.22 none

PARs due to time out DEC08

- 802.1AC Standard for Media Access Control (MAC) Service Definition
- 802.3ar Amendment: Enhancements for congestion management
- 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
- 802.21 Standard for Media Independent Handover Services

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).

5.03 II List of Drafts to Sponsor Ballot

- **Nikolich**

802.1: 802.1ap (conditional)

802.3: none

802.11: 802.11w, 802.11n (conditional)

802.15: 802.15.4c, 802.15.4d (conditional), 802.15.5 (conditional)

802.16: 802.16h, 802.16j (conditional), 802.16 revision (conditional)

802.17: none

802.20: none

802.21: none

802.22: 802.22.1 (conditional)

Draft Standards to Sponsor Ballot

- Check with EC members
- 802.1: dot1ap conditional
- 802.3: none
- 802.11: dot11w, dot11n conditional
- 802.15: dot15.4c, dot15.4d cond., dot15.5 cond.
- 802.16: dot16h, dot16j cond., dot16 revision cond.
- 802.17:
- 802.20:
- 802.21:
- 802.22: dot22.1 conditional

5.04 II List of Drafts to Revcom

- **Nikolich**

802.1: 802.1ak corrigendum

802.3: 802.3AX, 802.3 revision

802.11: 802.11y

802.15: 802.15.3 reaffirmation

802.16: none

802.17: none

802.20: none

802.21: 802.21 (conditional)

802.22: none

Draft Standards to RevCom

- Check with EC members
- 802.1: dot1ak corr
- 802.3: dot1AX, dot3 revision
- 802.11: dot11y
- 802.15: dot15.3 reaff
- 802.16: none
- 802.17: none
- 802.20: none
- 802.21: dot21 conditional
- 802.22: none

5.05 MI Withdraw all 802.5 standards

- Law

Withdraw 802.5 Standards?

- 802.5-1997 (R2003) Token Ring Access Method and Physical Layer Specifications
- 802.5j-1997 (R2003) Token Ring Fibre Optic Media
- 802.5r-1997 (R2003) Token Ring Dedicated Token Ring Operation
- 802.5t-2000 (R2003) Token Ring 100 Mbit/s Dedicated Token Ring Operation
- 802.5v-2001 (R2003) Token Ring Gigabit Token Ring Operation
- 802.5w-2000 (R2003) IEEE Corrigenda to Token Ring
- 802.5p-1993 (R2003) Part 2: Logical Link Control—Annex X: End system Route Determination

Motion to withdraw 802.5 stds

- Move to recommend to the SASB that the current IEEE 802.5 standards listed above be withdrawn
 - M: D. Law
 - S: P. Thaler
- IEEE SASB Operations Manual subclause 9.4 Withdrawal
Standards that are no longer useful or contain significant obsolete or erroneous information should be recommended for withdrawal by the Sponsor. A recommendation for withdrawal shall be supported by a ballot with a 50% return and at least a 75% approval.

Motion is to recommend to the SASB that the current IEEE 802.5 standards listed above be withdrawn

Moved by Law, seconded by Thaler

Law: Rules require 75% approval of EC.

Vote: 15/0/0, motion passes

SA items

6.00 II IEEE Staff Introductions

- Nikolich

SA Standards Board

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), Clint Chaplin, Arnie Greenspan

IEEE Staff Introductions

1. Karen Kenney: 802 Ombudsman and Associate Managing Director, Business Administration
2. Michael Kipness: Program Manager, Technical Program Development
3. Kathryn Cush: Program Manager, Technical Program Development
4. Sue Vogel: Director, Technical Committee Programs
5. Bob LaBelle: Manager, Networks and Telecommunications
6. Chris Sahr: Technical Project Manager, Attendance Automation
7. Walter Pienciak: Manager of Electronic Information
8. Angela Weaver: Senior Administrator, Registration Authority
9. Audrey Grant: Administrative Assistant, Registration Authority

6.01 II 802 Task Force update

- Nikolich

IEEE-SA/802 Task Force

- Wednesday 1-3pm
- Tentative Agenda
 - SA Strategic Plan—impact on 802?
 - Ombudsman feedback
 - Attendance tool (formerly known as IMAT)
 - IEEE/IEC Partnership Standards Development Organization Cooperation Agreement

6.03 II Get IEEE802 program update

- Kenney

Get IEEE 802® Update 21 For LMSC July Plenary

Karen Kenney,
Associate Managing Director,
Business Administration

17 July 2008
Denver, CO



Downloads

- Program to date 4,250,902
- Year to date 2008 (Jan-Jun) 240,152
- Weekly average 2008 (Jan-Jun) 9,236
- Most requested:
 - 802.3™
 - 802.1X
 - 802.11™, .11a, .11b, .11e, .11i, .11g
 - 802-2001
 - 802.15.4
 - 802.16, .16e, .1q

User Type (January – June 2008)

USER	Jan	Feb	Mar	Apr	May	June	YTD Total
Academic/Student:	17629	16631	17960	17569	17389	12920	100,098
Attorney/Legal	250	334	255	306	221	231	1,597
Curious Citizen		6147					6,147
Government:	1104	4033	994	1386	875	967	9,359
Journalist/Analyst/Author	324	2904	359	348	329	309	4,573
Network equipment manufacturer:	4616	2636	4342	4755	3991	4014	24,354
Network silicon manufacturer:	943	2017	902	984	800	933	6,579
Network Software Developer/Manufacturer	3083	1595	2950	3053	2666	3104	16,451
Other:	6027	986	6425	6111	5436	5243	30,228
Private network service provider:	1061	1085	1432	1208	1066	1134	6,986
Public network service provider:	2770	1083	3636	3467	2925	2766	16,647
Standards Developer:	1591	296	1696	1566	1651	1451	8,251
Systems Administrator:	1775		1828	1789	1921	1569	8,882
Total	41,173	39,747	42,779	42,542	39,270	34,641	240,152

User Type (4/03-06/08)

USER	YTD Total
Academic/Student:	1,477,524
Attorney/Legal	8,092
Other:	645,632
Network equipment manufacturer:	417,674
Public network service provider:	249,049
Network Software Developer/Manufacturer	261,874
Systems Administrator:	183,869
Standards Developer:	133,910
Network silicon manufacturer:	89,784
Private network service provider:	113,550
Government:	105,969
Journalist/Analyst/Author	39,998
Curious Citizen	74
Total	3,726,999*

•Unknown 523,903 User stat data unavailable until 4/03.

Get **IEEE 802®** Update 21

Program Entries

March - July 2008

<u>IEEE Std</u>	<u>Added to Program</u>
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802.1ag-2007

21 Jun 2008*

802.16g-2007

7 Jul 2008*

*Based on 6-month wait period.

Get IEEE 802® Update 21

Approvals

March – July 2008

IEEE Std

Tentative Pub Date

802.11k

12 Jun 2008*

802.11r

15 Jul 2008

802.20

15 Aug 2008

802.1ah

25 Aug 2008

* Published

Thank you

questions?



6.04 II SA Strategic Plan overview

- **Kenney**

Discussion followed.

For further discussion the 802 TF meeting on Wednesday is available.

IEEE-SA Strategic Planning Update

**802 Plenary
Denver, Colorado
14 July 2008**

**Karen Kenney
Associate Managing Director**



A Process for Planning and Thinking Strategically



** Adapted from Built to Last, Collins and Porras, 1994*

IEEE-SA Strategic Planning Activities

IEEE-SA Core Purpose

To enable and promote the collaborative application of technical knowledge to advance economic and social well-being.

IEEE-SA Core Values

- **Respect for consensus**
- **Due process**
- **Openness**
- **Global market relevance**
- **Technical integrity and excellence**
- **Collaboration and community building**
- **Innovation**

IEEE-SA Big Audacious Goal

Be recognized as a preferred global provider of high-quality, market-relevant, technology standards and services that provide universal adoption.

3-5 Year Planning Horizon Outcome-Oriented Goals

- **#1 – [Effective] Organizational Business Model**
- **#2 – Nurture Strategic Technologies**
- **#3 – Process Efficiency**
- **#4 – Education**
- **#5 – Global Participation and Perception**

The IEEE-SA Strategic Plan Document

- **Process began mid 2007**
- **Approved at June 2008 BoG Meeting**
- **Next Steps**
 - **Develop metrics and set priorities**
 - **Continually assess current program viability**
 - **Develop communications plan**

Thank you

Questions

6.06 II Online Training Update

- **Thaler**

Thaler gave a verbal report. People continue to enroll in the on-line training, some finish, some don't. Recognizes more names from our groups than previously. New comer training continues, scheduled for this meeting and the next. Looking at developing a guideline or training regarding potential dominance in a group.

6.07 II SA Staff Liaison - Update

- **Kipness**

Comments for model working group P&Ps are due July 30.

Drafts for sale: was due by May 23, next update is in July 16. 2 month downtime is for annual updates.

LMSC items

7.00 II TREASURER'S REPORT

- **Hawkins**

Hawkins: Cash is about \$1M, which is around the level needed to support nNA sites.

Rigsbee: Should we set aside a portion of the surplus for nNA cost offset?

Hawkins: This can be discussed in the future

Hawkins: 802 passed 2007 audit clean.

DRAFT

IEEE Project 802
Statement of Operations
Mar 2008 Plenary Session
Orlando, FL
As of Jul 13, 2008

Session Income				dB	Est/Act	Budget	Deviation
Net Registrations					1,417	1,300	117
77.1%	1093	Early Registrations	@ \$400	\$ 437,200			
	20	Early cancellations	@ \$400	(8,000)			
	39	Cancellations	@ \$350	(13,650)			
22.9%	324	Registrations	@ \$500	162,000			
	0	Cancellation	@ \$500	0			
	3	Cancellation	@ \$450	(1,350)			
0.0%	0	Student	@ \$150	0			
	0	Other credits	@ \$100	0			
Registraion Subtotal				\$ 576,200	\$ 572,300	\$ 547,820	\$ 24,480
	0	Deadbeat Payment	@ \$500		0	0	0
Interest					14	150	(136)
Other (Hotel comps and commission)					79,267	75,000	4,267
TOTAL Session Income					\$ 651,582	\$ 622,970	\$ 28,612
Session Expenses					Est/Act	Budget	Deviation
Audio Visual Rentals					20,546	25,500	4,954
Audit					6,000	6,000	0
Bank Charges					195	450	255
Copying					2,716	3,000	284
Credit Card Discounts & Fees					16,618	15,652	(966)
Equipment Expenses					12,737	15,000	2,263
Get IEEE 802 Contribution					101,625	97,500	(4,125)
Insurance					2,713	3,000	287
Meeting Administration					89,344	80,861	(8,483)
Misc Expenses					3,004 *	5,000	1,996
Networking					60,307	68,000	7,693
Other Expenses					0	5,600	5,600
Phone & Electrical					1,279	2,300	1,021
Refreshments					129,477	135,000	5,523
Shipping					9,958	19,000	9,042
Social					53,990	49,000	(4,990)
Supplies					2,129	800	(1,329)
TOTAL Session Expense					\$ 512,637	531,663	19,026
NET Session Surplus/(Deficit)					138,944	91,307	47,637
Analysis							
Refreshments per registration					91	104	12
Social per registration					38	38	(0)
Meeting Admin per registration					63	62	(1)
Surplus/(Loss) per registration					98	70	28

* Misc items: Hotel gratuity, 802.20 travel reimb, retirement gift

IEEE Project 802
Estimated Statement of Operations
July 2008 Plenary Session
Denver, CO
As of Jul 13 2008

DRAFT

Meeting Income	<i>Estimate</i>	Budget	Variance
Registrations	1,400	1,300	100
Registration income	602,000	559,000	43,000
Cancellation refunds	(12,040)	(11,180)	
Deadbeat collections	0	0	0
Bank interest	500	400	100
Other income	<u>77,500</u>	<u>75,000</u>	2,500
TOTAL Meeting Income	\$ 667,960	\$ 623,220	44,740
Meeting Expenses	<i>Estimate</i>	Budget	Variance
Audio Visual Rentals	25,500	\$ 25,500	0
Audit	0	0	0
Bank Charges	350	350	0
Copying	3,500	3,500	0
Credit Card Discount	16,856	15,652	(1,204)
Equipment Expenses	15,000	15,000	0
Get IEEE 802 Contribution	102,900	95,550	(7,350)
Insurance	0	0	0
Meeting Administration	85,658	80,861	(4,797)
Misc Expenses	7,500	7,500	0
Network	68,000	68,000	0
Other Expenses	0	0	
Phone & Electrical	2,000	2,000	0
Refreshments	150,000	150,000	0
Shipping	15,000	15,000	0
Social	75,000	75,000	0
Supplies	800	800	0
Other Discounts	<u>0</u>	<u>0</u>	0
TOTAL Meeting Expense	\$ 568,064	\$ 554,713	(13,351)
NET Meeting Income/Expense	<u>\$ 99,896</u>	<u>\$ 68,507</u>	31,389
Analysis			
Refreshments per registration	107	115	8
Social per registration	54	58	4
Meeting Administration per reg	61	62	1
Networking per registration	49	52	4
Get IEEE 802 Contribution per	75	75	0
Surplus/Deficit per registration	71	53	19
Pre-registration rate	70%	70%	

LMSC Email Ballot Recap

		yes/no/abs/dnv	
• 26APR	Gilb/Law/Kraemer on UC-EC (uc-ec)	05/00/00/01	pass
• 05MAY	Klerer classification. Postponed to JUL EC meeting		n/a
• 30APR	802.21 Emergency Services SG	14/00/00/02	pass
• 30APR	802.21 Bcast Services Handover SG	13/00/00/03	pass
• 21MAY	802.20 draft 4.1 to RevCom (uc-ec)	08/00/00/01	pass
• 30JUN	Suspend PAR deadline rule for 802.11	15/01/00/00	pass
• 12JUL	802.20 WG to normal operation (uc-ec)	09/00/00/00	pass

7.04 II LMSC Meeting Fee Waivers

- Nikolich

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
 - None that 802 chair is aware of

7.05 II Tutorial schedule

- **Nikolich**

Tutorial sponsors gave verbal summaries of the tutorials. No questions or discussion.

Tutorial Schedule

Monday	Tuesday
1) Handover with Broadcast Technologies 6:30-8:00PM sponsor: Gupta	3) Neighborhood Area Networks 6:30-8:00PM sponsor: Heile
2) nNA venue candidate presentations 8:00-9:30PM sponsor: Rigsbee	4) Network Requirements for Safety in Healthcare 8:00-9:30PM sponsor: Heile

7.06 II JTC1/SC6 update

- Thompson

Discussion on the agreement to use a single document for both ISO and IEEE.

B. Grow indicated that in a standard he was familiar with, the draft had two sets of front matter.

Marks asked about moving the participants list to an annex if it wasn't discussed.

Kenney: There will always be an IEEE 802 version published. For 8802, IEEE will sell the 8802, the 802 version will go into GetIEEE802.

Thaler: Under this agreement, there is only a single 8802 version.

Kenney: The same practice of creating an 802 version will continue.

Thaler: Not clear that the new agreement allows this process. This also says that there will be a single standards designation. Also, does this have an impact on PatCom regarding LoA.

Nikolich: Add this item to the task force meeting. Asks Thompson to remain the point person for the 802 EC.

Thompson: This will discourage us from submitting to ISO.

Jeffrey: We always considered ourselves as an international standards body, with the recognition by ISO, we have this now formally. There doesn't seem to be any advantage to sending standards through the additional process.

Information on the
**“ISO/IEEE PARTNER STANDARDS
DEVELOPMENT ORGANIZATION
(ISO/IEEE PSDO) COOPERATION
AGREEMENT”**
July 2008

Jodi Haasz
Program Mgr
International Stds
Programs

Geoff Thompson
EC Member Emeritus
SC6/WG1 US TAG Chair



Former Submission Method to JTC1

- **802 WGs submitted published 802 stds to a national body (BSI) to submit for JTC1 approval under fast-track process**
- **Upon approval, ISO published the document (significant lag behind 802 version)**
- **ISO and IEEE agreed that IEEE would hold the copyright and manage the maintenance of the document**

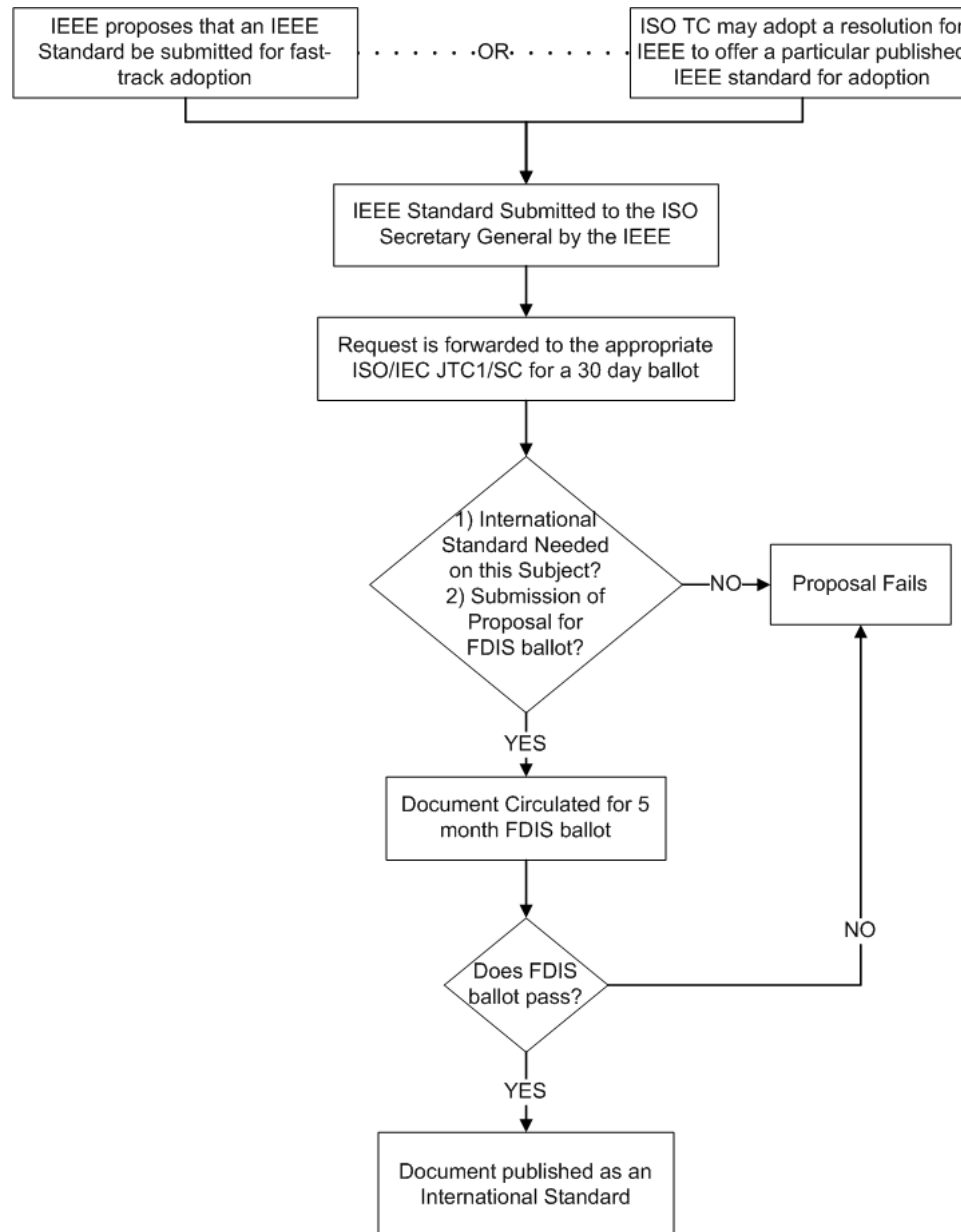
New Submission Method to JTC1

- **ISO/IEEE PSDO cooperation agreement supersedes ALL old agreements**
- **IEEE now has the ability to submit a document directly to JTC1 under the agreed ISO/IEEE PSDO cooperation agreement JTC1 fast-track procedure**
- **Upon successful completion, ISO publishes the document**
 - **IEEE holds the copyright**
 - **IEEE manages the maintenance**

Other features of ISO/IEEE PSDO Cooperation Agreement

- **Covers all IEEE Standards submitted to ISO and JTC1**
- **IEEE Standards fully recognized by ISO and JTC1 standards**
- **IEEE standards can be normatively referenced in ISO and JTC1 standards.**

Fast-track process thru ISO/IEEE PSDO Cooperation Agreement



Publication

- **IEEE and ISO is establishing a consistent layout for the resulting ISO/IEEE Standard**
 - **ISO documents traditionally do not contain participant lists**
 - **IEEE and ISO agreed to keep the list of participants in documents fast-tracked via the ISO/IEEE PSDO cooperation agreement but to place the list in an annex**
- **There will be a single publication of the agreed upon version**

**Any questions or issues should be
directed to:**

Jodi Haasz

Program Manager

International Standards Programs

Phone: +1 732 562 6367

Email: j.haasz@ieee.org

7.07 II P&P update

- **Sherman**

Glenn Parsons (Nortel) from AudCom spoke. The number of WGs is too much for AudCom to audit each one. They have sent out a baseline WG P&P for review to the sponsors. Want to delegate responsibility to review WG P&P to Sponsor. Goal is to have a vote on the WG P&P at the December 2008 meeting.

Jeffrey: From AudCom's perspective, is 802 a single WG or multiple WGs?

Parsons: 802 is a sponsor with multiple WGs.

Jeffrey: Can 802 develop a single WG P&P and then have each group only note the changes?

Parsons: Will take this idea back to AudCom.

Stevenson: This seems like we are moving more towards developing P&Ps and less to developing standards.

EC Update on LMSC Policy and Procedures

Author:

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

Date: July 14th, 2008

Summary of P&P Activities

- Current P&P can be found at
 - <http://standards.ieee.org/board/aud/LMSC.pdf>
- P&P ballot to create Operations Manual in process
 - <http://grouper.ieee.org/groups/802/secmail/msg10507.html>
- Two comment resolution teleconferences held
- Held Sunday Night P&P Review
 - AudCom baseline WG P&P discussed
 - Additional comment resolution conducted
 - Completed first pass at all comments

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 Comment Resolution Form
 - More formal comment resolution process
- Balloted Separate documents
- Recommended changes for AudCom baseline P&P
 - Submitted to AudCom for consideration

Ballot Status

- Over 380 Comments received
- Have developed recommended resolutions for all comments
- Need to draft updated OM and P&P
 - May not make it in time for Friday meeting
 - If not, will hold approval vote till November
 - Will provide updated documents much earlier

Other Matters

Sunday P&P Review Meeting

- Ran full 4 hours
- About ½ hour on AudCom baseline WG P&P
- Rest of time on comment resolution

Baseline WG P&P

- IEEE-SA AudCom is creating baseline WG P&P
- LMSC will need to formally review of WG P&P
 - Must compare to AudCom baseline WG P&P
 - AudCom will do ‘spot checks’
 - May need adjustment to LMSC OM or P&P

7.08 II Allegation of dominance/findings

- Kraemer

Kraemer: Reports on the investigation of dominance in 802.11. Report was posted to the 802 EC mailing list 7/12/2008.

Nikolich: Has asked Thaler to chair an ad-hoc to discuss the recommendations, Tuesday, 5-6 pm.

Thaler: Based on experience, there are ways to handle this within our current rules in a relatively painless way.

Shellhammer: It seems that you have determined that this is a behavior that is frowned upon but not against the rules. If it is allowed, then it shouldn't be frowned upon.

Thaler: Thinks there are ways to make these strategies of packing a room not work.

Investigation into allegation of dominance in 802.11

- Bruce Kraemer
- Chair has asked 2nd VC to chair an EC ad-hoc to begin implementation of Bruce's recommendations
- EC ad-hoc meeting-Tuesday 5-6pm

**7.12 II Notice of Study Groups under consideration/status of existing - WG chairs
SGs**

802.1: none

802.3: none

802.11: renew VHT (2nd ext.)

802.15: renew RFID (2nd request, may take a year), renew Visible Light Communications (VLC) (1st), initial request for WNAN

802.16: none

802.17: none

802.18: none

802.19: none

802.20: none

802.21: renew multi-radio power management conservation SG (1st ext), renew Security (3rd ext), renew emergency communications (1st ext), initial request for broadcast SG.

802.22: none

Nikolich: 802.11 has created an architecture group to look at how to handle a large document with many projects working on it.

Kraemer: This is driven primarily by the 802.11 needs, but will coordinate with 802.1, 802.15, 802.21 as well.

Status of Study Groups

- WG chairs to report
 - SGs?
 - 802.1- none
 - 802.3 - none
 - 802.11 - renew very high throughput, (3rd ext)
 - 802.15 - renew RFID (2nd ext request, may take 1 yr), 1st est Visible Light SG, init. WNAN
 - 802.16 - none
 - 802.17 - none
 - 802.18 - none
 - 802.19 - none
 - 802.20 - none
 - 802.21 - multi-radio power management conservation SG (1st ext), security SG (3rd ext), emergency communications (1st ext), initial Bcast SG
 - 802.22 – none

7.13 II Revised Opening Plenary update

- Nikolich

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) Coexistence TAG status update (Shellhammer)
-10 minutes
Q&A on presentation
- 10 minutes (Nikolich moderates).
- 3) Closing remarks, notices, adjourn:
- 5 minutes (Nikolich)

7.16 II MP-RFP Status and Action Plan

- **Rigsbee**

Lemon: Who is on the eval team?

Rigsbee: Steve Mills, Karen Kinney, John Hawkins, Buzz Rigsbee, Bob Heile, Bob Grow.

Lemon: Who are the three finalists?

Rigsbee: Tour Hosts, IEEE meeting planning service, Face to Face events.

Shellhammer: Will this be a recommendation for a single vendor?

Rigsbee: Yes, it will be a motion to approve the recommendation.

Rigsbee: The bids will be posted to a restricted web site today.

Hawkins: The responses are very lengthy.

Stevenson: Will we see the individual ratings and the overall ratings.

Nikolich: The ad-hoc meeting will be 3-5 on Tuesday.

MP-RFP Status

- 8 = 2 no bid + 3 Hi bids + 3 finalists
- Ran pricing exercise to compare values
- Eval Team doing individual ratings
- Will meet during week to create final tally
- Will make final selection recommendation
- Report to EC Friday with motion to select
- Award final contract based on approval

7.17 II nNA-Venues Hosts RFP Responses and Action Plan

- **Rigsbee**

Lemon: Are these full prices or marked down by cash reserves.

Rigsbee: Full prices

Shellhammer: When will we see the survey? When will the survey be done?

Rigsbee: It was sent this morning.

Nikolich: 3-4 pm Monday, EC ad-hoc meeting to refine the survey.

nNA Venue Status

- 10 hosts = 5 no-bid + 4 2011/12 + 1 2013
- Compiled Summaries to compare values
- Eval Team will rank & do member survey
- Will meet during week to create final tally
- Will make final selection recommendations
- Report to EC Friday with motion to select
- Negotiate final contract based on approval

7.18 II Network Services Vendor Contract Renewal Report and Action - Rigsbee Plan

Nikolich: EC ad-hoc on network services contract, 9 am -12 pm.

Net Svc Contract Status

- Will meet with VeriLAN this week to draft
- Will use IEEE MSA Template as basis
- Will create proposal for Asset Transfer
- Will make final adoption recommendations
- Report to EC Friday on Contract draft and Asset Transfer with motions to approve
- Negotiate final contract based on approval
- Submit to EC for final approval to execute

7.19 II Status update on 802 appeals

Gilb: No appeals

- **Gilb**

7.20 II Update on ITU-R activities

WP5D met in July, 802 represented by Kraemer and Marks.

Meeting reports are 802.18 documents.

- **Lynch**

Planned Objectives for July Plenary Meeting

- Update on ITU-R WP5D meeting Dubai
- Further ECC UWB consultation
- Collaboration with SC-202 of RTCA
- Review UK Ofcom white spaces proposal
- THz update – possible further ITU-R input
- Complete call for IMT-Advance contributions
- Review FCC reply comments on 2.3 GHz band
- Possible further inputs to ITU-R WP5D

7.25 II Attendance tool slides

- **Sahr**

Sahr: The tool formerly known as IMAT is going to be use by all WGs at this plenary. Main issues have to with account information. In the TF meeting, we will discuss the calculation of voting rights.

7.33 DT EC meeting schedule (rules, SA, etc.)

- **Nikolich**

EC meetings for the week

(held in Limestone)

- Monday 3-4pm nNA survey refinement (Rigsbee)
- Monday 8-10pm reserved (Thompson)

- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm open
- Tuesday 1-2pm open
- Tuesday 3-5pm Executive Session--meeting planner RFQ (Rigsbee)
- Tuesday 5-6pm begin work on dealing with dominance (Thaler)
- Tuesday 8:30-10pm

- Wed 9-noon Executive Session--Network Services Contract (Rigsbee)
- Wed noon-1pm non-North American venue discussion (Rigsbee)
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-5pm Executive Session--meeting planner RFQ - tentative (Rigsbee)

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

ADJOURN SEC MEETING

- **Nikolich**

Meeting adjourned at 10:32 am.

Opening plenary

Meeting called to order at 11 am.

Agenda

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

- CoexistenceTAG status update (Shellhammer) -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
David Law

802.11
WLAN
Bruce Kraemer

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
Mark Klerer

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
James Gilb

TREASURER
John
Hawkins

**MEMBER
EMERITUS**
Geoff
Thompson

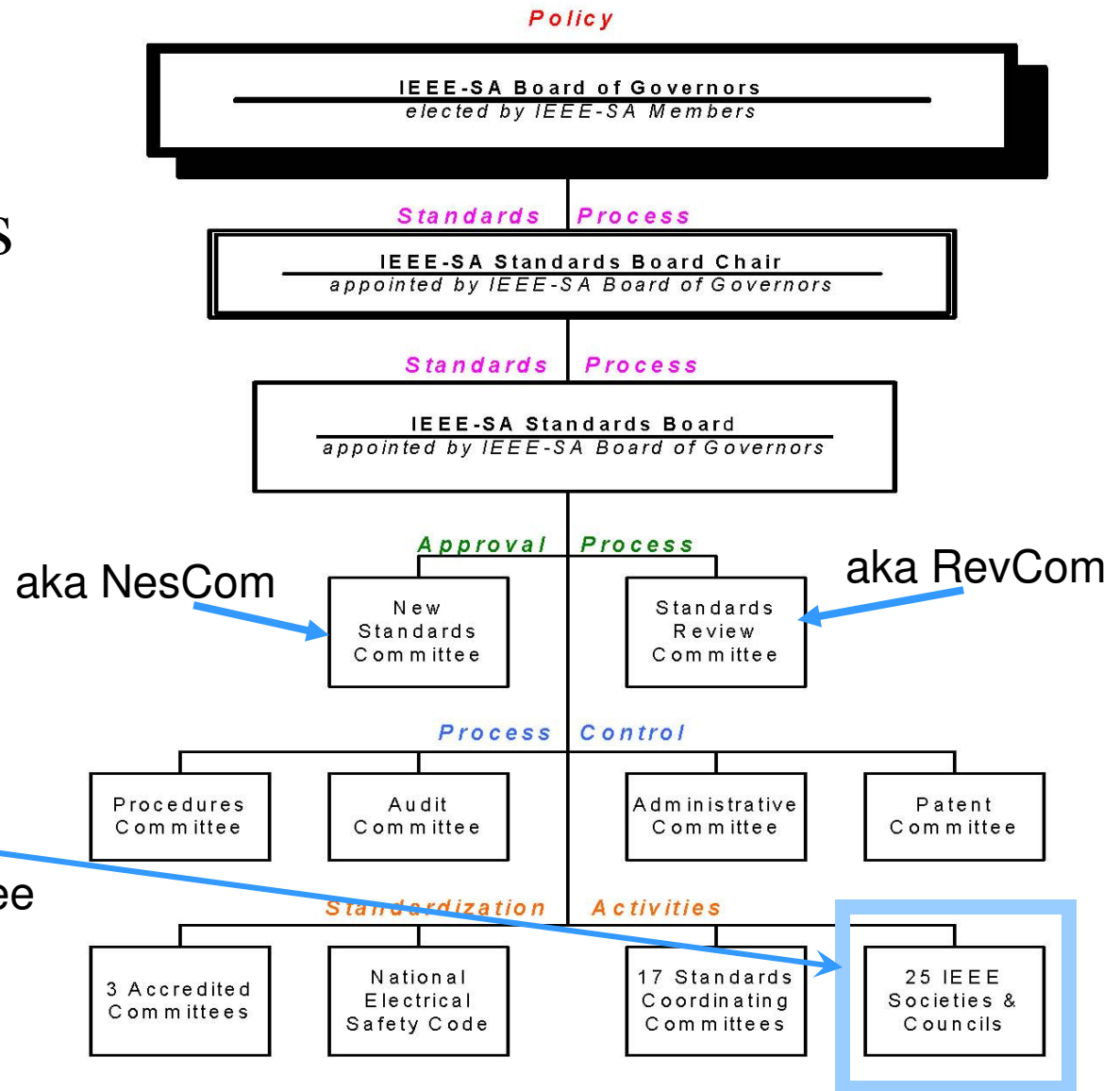
HIBERNATION

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

DISBANDED

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

IEEE Standards Organization



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

IEEE Staff Introductions

1. Karen Kenney: 802 Ombudsman and Associate Managing Director, Business Administration
2. Michael Kipness: Program Manager, Technical Program Development
3. Kathryn Cush: Program Manager, Technical Program Development
4. Sue Vogel: Director, Technical Committee Programs
5. Bob LaBelle: Manager, Networks and Telecommunications
6. Chris Sahr: Technical Project Manager, Attendance Automation
7. Walter Pienciak: Manager of Electronic Information
8. Angela Weaver: Senior Administrator, Registration Authority
9. Audrey Grant: Administrative Assistant, Registration Authority

Awards

- **IEEE Std 802.xxx**
 - None at this time, 802.11k and 802.16g pending
- **Jim Carlo, former 802 LMSC Chairman, awarded the IEEE Charles Proteus Steinmentz Award**
 - presented each year to an individual for exceptional contributions to the development and/or advancement of standards in electrical and electronics engineering

The 802 EC individually introduced themselves and stated their affiliations.

Nikolich: Mentioned the 802.5 WG, which is hibernating. He indicated that the 802 EC had passed a motion to recommend that the 802.5 standards be withdrawn.

Geoff Thompson read the 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 #4 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 strongly 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 that slides 1 through 4 (and this slide 0, if applicable) 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) of which the participant is personally aware and that 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.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 12 and 12a on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

(Optional to be shown)

Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy. Participants:

- “Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
 - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims
- “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
 - Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2
- **Early identification of holders of potential Essential Patent Claims is strongly encouraged**
- **No duty to perform a patent search**

Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>

IEEE-SA Standards Board Operations Manual

<http://standards.ieee.org/guides/opman/sect6.html#6.3>

Material about the patent policy is available at

<http://standards.ieee.org/board/pat/pat-material.html>

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

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

Call for Potentially Essential Patents

- If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:
 - Either speak up now or
 - Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
 - Cause an LOA to be submitted

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 or engage in the fixing of product prices, allocation of customers, or division of 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.**

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.

Nikolich summarized the four PARs that are under consideration for approval this week.

Draft PARs under consideration

802.1	none
802.3	none
802.11	Very High Throughput, below 6GHz project
802.11	Very High Throughput, 60 GHz project
802.15	802.15.5 PAR extension
802.16	none
802.17	none
802.20a	Management Information Base (MIB) Enhancements and MIB Corrigenda Items
802.21a	Security Extensions to Media Independent Handover Services and Protocol
802.22	none

John Hawkins gave the treasurer's report.

DRAFT

**IEEE Project 802
Statement of Operations
Mar 2008 Plenary Session
Orlando, FL
As of Jul 13, 2008**

Session Income				dB	Est/Act	Budget	Deviation
	Net Registrations				1,417	1,300	117
77.1%	1093	Early Registrations	@ \$400	\$ 437,200			
	20	Early cancellations	@ \$400	(8,000)			
	39	Cancellations	@ \$350	(13,650)			
22.9%	324	Registrations	@ \$500	162,000			
	0	Cancellation	@ \$500	0			
	3	Cancellation	@ \$450	(1,350)			
0.0%	0	Student	@ \$150	0			
	0	Other credits	@ \$100	0			
	Registraion Subtotal			\$ 576,200	\$ 572,300	\$ 547,820	\$ 24,480
	0	Deadbeat Payment	@ \$500		0	0	0
	Interest				14	150	(136)
	Other (Hotel comps and commission)				79,267	75,000	4,267
TOTAL Session Income					\$ 651,582	\$ 622,970	\$ 28,612
Session Expenses					Est/Act	Budget	Deviation
	Audio Visual Rentals				20,546	25,500	4,954
	Audit				6,000	6,000	0
	Bank Charges				195	450	255
	Copying				2,716	3,000	284
	Credit Card Discounts & Fees				16,618	15,652	(966)
	Equipment Expenses				12,737	15,000	2,263
	Get IEEE 802 Contribution				101,625	97,500	(4,125)
	Insurance				2,713	3,000	287
	Meeting Administration				89,344	80,861	(8,483)
	Misc Expenses				3,004 *	5,000	1,996
	Networking				60,307	68,000	7,693
	Other Expenses				0	5,600	5,600
	Phone & Electrical				1,279	2,300	1,021
	Refreshments				129,477	135,000	5,523
	Shipping				9,958	19,000	9,042
	Social				53,990	49,000	(4,990)
	Supplies				2,129	800	(1,329)
TOTAL Session Expense					\$ 512,637	531,663	19,026
NET Session Surplus/(Deficit)					138,944	91,307	47,637
Analysis							
	Refreshments per registration				91	104	12
	Social per registration				38	38	(0)
	Meeting Admin per registration				63	62	(1)
	Surplus/(Loss) per registration				98	70	28

* Misc items: Hotel gratuity, 802.20 travel reimb, retirement gift

IEEE Project 802
Estimated Statement of Operations
July 2008 Plenary Session
Denver, CO
As of Jul 13 2008

DRAFT

Meeting Income	<i>Estimate</i>	Budget	Variance
Registrations	1,400	1,300	100
Registration income	602,000	559,000	43,000
Cancellation refunds	<i>(12,040)</i>	<i>(11,180)</i>	
Deadbeat collections	0	0	0
Bank interest	500	400	100
Other income	<u>77,500</u>	<u>75,000</u>	2,500
TOTAL Meeting Income	\$ 667,960	\$ 623,220	44,740
Meeting Expenses	<i>Estimate</i>	Budget	Variance
Audio Visual Rentals	25,500	\$ 25,500	0
Audit	0	0	0
Bank Charges	350	350	0
Copying	3,500	3,500	0
Credit Card Discount	16,856	15,652	<i>(1,204)</i>
Equipment Expenses	15,000	15,000	0
Get IEEE 802 Contribution	102,900	95,550	<i>(7,350)</i>
Insurance	0	0	0
Meeting Administration	85,658	80,861	<i>(4,797)</i>
Misc Expenses	7,500	7,500	0
Network	68,000	68,000	0
Other Expenses	0	0	
Phone & Electrical	2,000	2,000	0
Refreshments	150,000	150,000	0
Shipping	15,000	15,000	0
Social	75,000	75,000	0
Supplies	800	800	0
Other Discounts	<u>0</u>	<u>0</u>	0
TOTAL Meeting Expense	\$ 568,064	\$ 554,713	<i>(13,351)</i>
NET Meeting Income/Expense	<u>\$ 99,896</u>	<u>\$ 68,507</u>	31,389
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Networking per registration	49	52	4
Get IEEE 802 Contribution per	75	75	0
Surplus/Deficit per registration	71	53	19
Pre-registration rate	70%	70%	

Mat Sherman presented an update on the P&P.

Glen Parsons (Nortel), chair of AudCom spoke to the group.

EC Update on LMSC Policy and Procedures

Author:

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

Date: July 14th, 2008

Summary of P&P Activities

- Current P&P can be found at
 - <http://standards.ieee.org/board/aud/LMSC.pdf>
- P&P ballot to create Operations Manual in process
 - <http://grouper.ieee.org/groups/802/secmail/msg10507.html>
- Two comment resolution teleconferences held
- Held Sunday Night P&P Review
 - AudCom baseline WG P&P discussed
 - Additional comment resolution conducted
 - Completed first pass at all comments

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 Comment Resolution Form
 - More formal comment resolution process
- Balloted Separate documents
- Recommended changes for AudCom baseline P&P
 - Submitted to AudCom for consideration

Ballot Status

- Over 380 Comments received
- Have developed recommended resolutions for all comments
- Need to draft updated OM and P&P
 - May not make it in time for Friday meeting
 - If not, will hold approval vote till November
 - Will provide updated documents much earlier

Other Matters

Sunday P&P Review Meeting

- Ran full 4 hours
- About ½ hour on AudCom baseline WG P&P
- Rest of time on comment resolution

Baseline WG P&P

- IEEE-SA AudCom is creating baseline WG P&P
- LMSC will need to formally review of WG P&P
 - Must compare to AudCom baseline WG P&P
 - AudCom will do ‘spot checks’
 - May need adjustment to LMSC OM or P&P

Thaler gave a verbal update on on line training .

Nikolich spoke on the tutorials.

Tutorial Schedule

Monday	Tuesday
1) Handover with Broadcast Technologies 6:30-8:00PM sponsor: Gupta	3) Neighborhood Area Networks 6:30-8:00PM sponsor: Heile
2) nNA venue candidate presentations 8:00-9:30PM sponsor: Rigsbee	4) Network Requirements for Safety in Healthcare 8:00-9:30PM sponsor: Heile

Nikolich reviewed the EC meetings scheduled for the week (all held in Limestone).

EC meetings for the week

(held in Limestone)

- Monday 3-4pm nNA survey refinement (Rigsbee)
- Monday 8-10pm reserved (Thompson)

- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm open
- Tuesday 1-2pm open
- Tuesday 3-5pm Executive Session--meeting planner RFQ (Rigsbee)
- Tuesday 5-6pm begin work on dealing with dominance (Thaler)
- Tuesday 8:30-10pm

- Wed 9-noon Executive Session--Network Services Contract (Rigsbee)
- Wed noon-1pm non-North American venue discussion (Rigsbee)
- Wed 1-3pm 802 Task Force (Nikolich)
- Wed 3-5pm Executive Session--meeting planner RFQ - tentative (Rigsbee)

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

Shellhammer presented an overview on the 802.19 TAG (document 19-08-0020-02-0000-tag-overview.ppt)

Wireless Coexistence TAG Overview

Date: 2008-07-14

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TAG Charter

- **TAG established in 2002**
- **The TAG is a forum for addressing coexistence issues between unlicensed 802 wireless networks**
- **The TAG provides technical guidance and assistance to the working groups**
- **The TAG reviews Coexistence Assurance (CA) documents developed by the working groups**

Coexistence Procedure in 802 P&P

- **Coexistence Procedure established in November 2004**
- **When a new PAR, for a unlicensed wireless project, is approved by the EC the WG must state in the Five Criteria whether a Coexistence Assurance (CA) document will be created**
- **If stated in the Five Criteria that a CA document will be created then during the WG Letter Ballot the CA document shall be circulated with the Draft**
- **All WG members have the CA document available to them when voting on the Draft, which they can consider in their vote**
- **The 802.19 TAG also votes in the Letter Ballot**

Coexistence Assurance Documents

Standard/Draft	Comments
802.15.4b	Done
802.15.4a	Done
802.11n	Initial version completed. Not updated after it was determined that it was not required
802.11y	Done
802.16h	Ongoing. Not required. Being done voluntarily for the 3650 MHz band
802.15.4c	In draft.
802.15.4d	In draft.

Recent Activities

802.16h CA Doc	802.16h plans to operate in the 3650 MHz band, along with 802.11y. The TAG has been facilitating development of Simulation Parameters and Coexistence Metrics documents. Plan to review simulation results this week.
Coexistence in 60GHz with Satellites	The TAG held a series of conference calls with members of 802 and members of the Passive Earth Satellite Sensing industry, to determine if 802 wireless devices posed a threat to satellite sensing. The conclusion was there is not a problem.
40 MHz 802.11n	Recently concerns about coexistence of the 40 MHz version of 802.11n and both 802.15.1 and 802.15.4 has been raised. Held conference calls and meeting this week in person. Developing simulation parameters and plan to review simulation results
Co-located Coexistence	The 802.16 WG sent a letter to 802.11/15/19 concerning co-located (in the same device) coexistence issues. The TAG established an email list. Meeting this week to discuss further.
Draft	TAG is developing a Recommended Practice on methods of evaluation coexistence. Draft being prepared for letter ballot later this year.

Plans for this Week

	Tuesday	Wednesday
	July 15, 2008	July 16, 2008
8:00 AM - 9:00 AM		
9:00 AM - 10:00 AM		
10:00 AM - 10:30 AM	Break	Break
10:30 AM - 12:30 PM		
12:30 PM - 1:30 PM	Lunch Break	Lunch Break
1:30 PM - 3:30 PM	TAG (3650 MHz Coexistence)	TAG (40MHz 11n Coexistence)
3:30 PM - 4:00 PM		Break
4:00 PM - 6:00 PM	TAG (Co-Located Coexistence)	TAG (3650 MHz Coexistence)

Rigsbee presented on nNA sites and logistics for the week.

Meeting adjourned at 12:00 pm

Respectfully submitted

James Gilb

IEEE 802 recording secretary