

**AGENDA & MINUTES (Unconfirmed) - IEEE 802 LMSC EXECUTIVE COMMITTEE
MEETING (updated 13 September 2006)**

Monday, July 17, 2006 – 8:00 a.m.

San Diego, CA

- 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
- Mike Takefman - Chair, IEEE 802.17 – Resilient Packet Ring Working Group
- Mike Lynch - Chair, IEEE 802.18 – Regulatory TAG
- Steve Shellhammer - Chair, IEEE 802.19 – Wireless Coexistence TAG
- Jerry Upton - Chair, IEEE 802.20 – Mobile Broadband Wireless Access
- 20 Vivek Gupta - Chair, IEEE 802.21 – Media Independent Handover
- Carl Stevenson - Chair, IEEE 802.22 – Wireless Regional Area Networks
- Geoff Thompson - Member Emeritus (non-voting)

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

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

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

**r03 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

08:05 AM

08:05 AM

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

4.01 - 08:10 AM

Category (* = consent agenda) 08:10 AM

Stds Board items

08:10 AM

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

5.01 II - 08:12 AM

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

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

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

5.05	II		-			08:18 AM
						08:18 AM
SA items						
5.06	II	Get IEEE802 program update	-	Kenney	5	08:18 AM
5.07	II	Update on any other SA actions	-	Kenney	5	08:23 AM
5.08	II	SA BoG and Staff China visit update	-	Mills/Kenney	5	08:28 AM
5.09	II	802 attendance software	-	Rigsbee	5	08:33 AM
5.10	II	Online Training Update	-	Thaler	5	08:38 AM
5.11	II	SA Staff Liaison - Update	-	Kipness	5	08:43 AM
5.12	II		-			08:48 AM
5.13	II	802 Task Force update	-	Nikolich	5	08:48 AM
5.14	II		-			08:53 AM
5.15	II		-			08:53 AM
LMSC items						
5.16	MI	LMSC Meeting Fee Waivers	-	Nikolich	2	08:55 AM
5.17	II	reserved	-	Nikolich	2	08:57 AM
5.18	II	Tutorial schedule	-	Nikolich	5	09:02 AM
5.19	II	ISO/IEC JTC1/SC6 update	-	Marks/Thompson	5	09:07 AM
5.20	II	ISO/IEC JTC1/SC6 strategic planning ad hoc	-	Nikolich	5	09:12 AM
5.21	II	China Liaison update	-	Marks	5	09:17 AM
5.22	II	P&P update	-	Sherman	15	09:32 AM
5.23	II	Architecture Group update	-	Jeffree	5	09:37 AM
5.24	II	notice of PARs under consideration	-	WG chairs	5	09:42 AM
5.25	II	notice of Study Groups under consideration	-	WG chairs	5	09:47 AM
5.26	II	Meeting Planner contract status update	-	Rigsbee	5	09:52 AM
5.27	II	Network Services contract status update	-	Rigsbee	5	09:57 AM
5.28	II	Appeal status	-	O'Hara/Nikolich	5	10:02 AM
5.29	II	Revised Opening Plenary update	-	Nikolich	5	10:07 AM
5.30	II	Comments on ITU-R clarification	-	Lynch	1	10:12 AM
5.31	II	Utilizing ITU-T as an international standardization path	-	Mills	2	10:13 AM
5.32	II	Marks announcing a change in affiliation and 802.16 vice chair election	-	Marks	1	10:15 AM
5.33	II	Tutorial announcement	-	Stevenson	1	10:16 AM
5.34	II	802.16 RAC issue	-	Marks	5	10:17 AM
5.35	II	Budget issue	-	Heile	1	10:22 AM
5.36	II		-			10:23 AM
5.37	II		-			10:23 AM
5.38	II		-			10:23 AM
5.39	II		-			10:23 AM
5.40	II		-			10:23 AM
5.41	II		-			10:23 AM
5.42	II		-			10:23 AM
5.43	II		-			10:23 AM
5.44	II		-			10:23 AM
5.45	MI	Appeal Re-hearing request	-	Upton	5	10:23 AM
5.46	DT	EC meeting schedule (rules, SA, etc.)	-	Nikolich	3	10:28 AM

ADJOURN SEC MEETING

- Nikolich 10:31 AM

6.00 PL IEEE 802 PLENARY MEETING STARTS

- Nikolich 60 11:00 AM

6.01 PL IEEE 802 PLENARY MEETING ENDS

12:00 PM

ME - Motion, External MI - Motion, Internal

DT- Discussion Topic II - Information Item

Special Orders

Motion: to approve the agenda as modified.

Moved: Stevenson/Grow

5 **Passes: 16/0/0**

4.00 II TREASURER'S REPORT

- Hawkins 5 08:04 AM

**IEEE Project 802
Statement of Operations
March 2006 Plenary Session
Denver, CO
As of Jul 16, 2006**

Session Income				Est/Act	Budget	Deviation
			Net Registrations	1,372	1,200	172
67%	925	Early Registrations	@ \$400 370,000			370,000
	22	Early cancellations	@ \$400 -8,800			
	31	Cancellations	@ \$350 -10,850			
32%	444	Registrations	@ \$500 222,000			222,000
	5	Cancellation	@ \$450 -2,250			
	2	Special Cancellation	@ \$500 -1,000			
	1	On-site registrations	@ \$500 500			
	1	Student	@ \$100 100			
	1	Special Registration	@ \$400 400			
	2	Other credits	@ \$100 -200			
		Registraion Subtotal	569,900	556,891	497,465	59,426
	0	Deadbeat Payment	@ \$500	0	0	0
		Interest		68	60	8
		Other		74,261	0	74,261
TOTAL Session Income				631,220	497,525	133,695
Session Expenses				Actual	Budget	
		Audio Visual Rentals		16,855	15,000	(1,855)
		Audit		0	8,000	8,000
		Bank Charges		140	500	360
		Copying		3,879	3,500	(379)
		Credit Card Discounts & Fees		12,688	14,515	1,827
		Equipment Expenses		24,345	9,000	(15,345)
		Get IEEE 802 Contribution		96,900	90,000	(6,900)
		Insurance		2,713	3,500	787
		Meeting Administration		83,485	75,064	(8,421)
		Misc Expenses		3,083	500	(2,583)
		Networking		64,345	65,000	656
		Other		18,133		
		Phone & Electrical		529	2,100	1,571
		Refreshments		117,886	96,000	(21,886)
		Shipping		12,764	6,500	(6,264)
		Social		79,091	42,000	(37,091)
		Supplies		1,250	500	(750)
TOTAL Session Expense				538,089	431,679	(106,409)
Other Income/Expense				0		
NET Session Surplus/(Deficit)				93,131	65,846	27,286
Analysis						
		Refreshments per registration		86	80	(6)
		Social per registration		58	35	(23)
		Meeting Admin per registration		61	62.55	2
		Surplus/(Loss) per registration		68	55	13
		Pre-Registration ratio		0.67	0.85	

IEEE Project 802
Estimated Statement of Operations
July 2006 Plenary Session
San Diego, CA
As of July 16, 2006

Meeting Income	<i>Estimate</i>
Registrations	1,400
Registration income	609,000
Cancellation refunds	(10,962)
Deadbeat collections	0
Bank interest	60
Other income	100,110
TOTAL Meeting Income	698,208

Meeting Expenses	<i>Budget</i>
Audio Visual Rentals	27,500
Audit	6,000
Bank Charges	500
Copying	3,750
Credit Card Discount	17,052
Equipment Expenses	11,000
Get IEEE 802 Contribution	105,000
Insurance	0
Meeting Administration	84,658
Misc Expenses	3,500
Network	60,000
Phone & Electrical	2,500
Refreshments	125,000
Shipping	4,500
Social	70,000
Supplies	800
Other Discounts	0
TOTAL Meeting Expense	521,760

Other Income/Expense

NET Meeting Income/Expense **176,448**

Analysis

Refreshments per registration	89
Social per registration	50
Meeting Administration per registration	60
Networking per registration	43
Get IEEE 802 Contribution per registration	75
Surplus/Deficit per registration	126
Pre-registration rate	0.650

4.01

-

Category (* = consent agenda)

Std Board items

5.00

II

Std Board Actions (approved projects, standards, withdrawals)

-

Nikolich

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08:08 AM

March, May and June 2006 SA Standards Board Actions

Standards Approved

New:

P802.1AE -Media Access Control (MAC) Security (8 June)

P802.3an/D4.0 CSMA/CD - 10 Gb/s Operation, Type 10GBASE-T (8 June)

Revisions:

P802.15.4/D6 Low Rate Wireless Personal Area Networks (WPANs) (8 June)

Reaffirmations:

none

Corrigendum:

P802.3-2005/Cor1/D2.0 –CSMA/CD - Corrigendum 1 (8 June)

Withdrawals:

802.15.3a High Rate WPAN (30 March)

March, May and June 2006 SA Standards Board Actions

Projects Approved

New:

P802.1AS - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks (25 May)

P802.11y – 3650MHz to 3700MHz operation in USA (16 March)

P802.16j - Mobile Multihop Relay (16 March)

P802.16k – Bridging of 802.16 (16 March)

P802.19 – Recommended Practice: Methods for assessing coexistence of wireless networks (16 March)

P802.22.1 – Standard for methods to enhance the protection of low power licensed device operation in the TV Broadcast Bands from harmful interference from license-exempt devices operating in those bands

Revisions:

none

Reaffirmations:

none

June 2006

SA Standards Board Actions

802.20 Working Group Activities Suspended until 1OCT2006

LMSC Operating Conditions during suspension:

- Text of official notice available on 802.20 web site
- 802.20 WG Chair retains voting rights on EC
 - Exception: mandatory recusal during vote on appeal re-hearing
- 802.20 Web Site is frozen but accessible to all
- 802.20 Email reflector is frozen
- Appeals continue per original schedules

Standards Board and 802.20

- On June 15, Standards Board suspended operations of 802.20
 - 802.20 has been the subject of several appeals from the very beginning of the group, with four appeals now pending at one level or another
 - recent activity in the group appears to have become highly and unusually contentious
 - concern over lack of transparency, possible “dominance,” and other irregularities in the Working Group
 - Standards Board will continue its inquiry and will make decisions at its September meeting

Standards Board and 802.20

- Submissions Invited
 - Standards Board invites interested persons to submit relevant *factual* information on 802.20, its operation, and its interaction with other groups and organizations
 - 2500-word limit per submission
 - Email to 802_comments@ieee.org
- Rules for Submissions
 - Anonymous submissions will not be accepted or considered
 - Submitters must provide
 - individual's name title, email, telephone and address
 - employer name and the name (if different from employer) of any individual or entity that is directly or indirectly funding the individual's submission or that has funded the submitter's participation in 802

Standards Board and 802.20

- Use of Information
 - IEEE-SA is inviting information to assist the Standards Board in its inquiry but may use for other purposes
 - IEEE-SA will determine whether information is disclosed or sources are identified
 - Submitters may request confidentiality but IEEE-SA will make final decision

IEEE Board of Directors Action

7 July 2006

Paul Nikolich, Chair
IEEE LAN/MAN Standards Committee

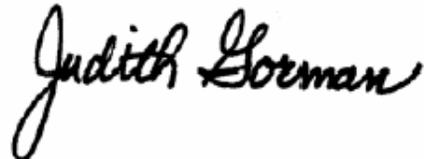
Dear Paul:

As you are already aware, IEEE received an anonymous letter dated 14 March 2006, containing several allegations critical of the practices and procedures associated with IEEE 802 meetings. IEEE's Board of Directors has retained the law firm of Dorsey & Whitney LLP to conduct a thorough, independent, and expeditious investigation of these allegations. IEEE has instructed its staff to cooperate fully with this inquiry and hopes its volunteers do likewise.

At the conclusion of its investigation, Dorsey will report its findings to the Board of Directors. At that time, the need for additional communication will be determined.

Thank you for your patience during this process. Please feel free to contact me via email at j.gorman@ieee.org.

Sincerely,

A handwritten signature in black ink that reads "Judith Gorman". The signature is written in a cursive, flowing style.

Managing Director, IEEE-SA

cc: Claire Topp, Counsel, Dorsey & Whitney
Don Heirman, President, IEEE-SA
Steve Mills, Chair, IEEE-SA Standards Board

A question was asked about the ability to withdraw a submission to the Standards Board on the 802.20 subject, if the submitter requests confidentiality and the SB decide not to honor that request. Steve Mills indicated that the submitter should contact the SB prior to making such a submission.

5.01 II

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5.02 II PARS to NesCom

- **Nikolich**

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08:20 AM

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Draft PARs to NesCom

- **P802.1at** - Stream Reservation Protocol (SRP)
- **P802.1au** - Congestion Notification
- **P802.1H** - Revision draft PAR

- **P802.3ar** – Congestion Management
- **P802.3av** – Amendment 10Gb/s Passive Optical Networks

- P802.11k PAR extension request
- P802.15.4 PAR modification
- P802.16? Maintenance PAR (48 hour rule)
- P802.17? Maintenance PAR (48 hour rule)

- **P802.22.2** – Rec. Practice Installation and Deployment of 802.22 Systems

- Projects of interest outside 802 (query EC members)
 - SA: IEEE 1609 Wless access for vehicular environment ; 1073 RF wireless technologies for medical applications
 - ISO/IEC JTC1 SC6 New Work Item Proposals on June 2006 agenda
 - 8.1 PHY and MAC Specifications of the Enhanced High-Speed PLC (Power Line Communications) Systems (B. J. Jung, Korea)
 - 8.2 MAC Specifications of Mesh-Enabled Wireless Sensor Networks (MEW) (Yongsik Shin, Korea)
 - 8.3 The PHY and MAC Specifications of the Broadband Wireless Multimedia (Xiaodong Zhang, China)
 - 8.4 Physical Layer to Guarantee Cooperative Communication in the Wireless Personal Area Network Environment (Kim, Jee-Hoon, Korea)
 - 8.5 The PHY and MAC Specification of WPAN (Wu Dongya, China)
 - 8.6 Identification of sensor node in WSN for sensor node and network management (Yoong Woon Kim, Korea)

Draft Standards to Sponsor Ballot

- 802.1ag, 802 Architecture reaffirmation
- 802.3ap (bplane enet)
- 802.17b (conditional possible)
- 802.15.4a
- 802.16g and k

Draft Standards to RevCom

- 802.16/conformance04
- 802.11revma (conditional)
- 802.1ak (conditional)
- 802.3as (conditional), 802.3aq

IEEE Staff Introductions

- Karen Kenney: Associate Managing Director, Business Administration
- Susan Tatin: Associate Managing Director, Technical Program Development
- Michael Kipness: Program Manager, Technical Program Development
- Michelle Turner: Program Manager, Document Development
- Jennifer McClain: Managing Editor, Standards Information and Industry Publishing
- Bob LaBelle: Manager, Networks and Telecommunications
- Angela Weaver: Business Manager (RAC administrator)
- Penny Stanton: Electronic Balloting Specialist
- Christina Sahr: Technical Project Manager
- Kim Brietfelder: Manager, Standards Editing and Production
- Michelle Deluca: support RAC meeting
- Edward Rashba: Manager, New Technical Programs
- Bob Pritchard: Staff support for ISO/IEC JTC1 activities, Consultant
- Clyde Camp: Staff support for myballot and myproject, Consultant
- Michael Lindsay: IEEE SA Counsel

Steve Mills

- Presentation Update :
IEEE and International Standards
- Presentation given at opening plenary meeting
 - 15 min presentation and followed with 10 min Q&A

5.05 II

-

SA items

5.06 II Get IEEE802 program update

-

Kenney

5

08:35 AM

Get IEEE 802®

For LMSC July Plenary

Karen Kenney, Associate Managing Director,
Business Administration

17 July 2006
San Diego, CA



Get IEEE 802®

Downloads

- **Program to date** **2,413,724**
- **Year to date** **155,274**
- **Weekly average** **8,020**
- **Most requested**
 - **802.11™, .11a, .11b, .11i, .11g**
 - **802.3™**
 - **802.15.4**
 - **802.16**

Get IEEE 802®

User Type (Year to Date 2006)

USER	Jan	Feb	Mar	Apr	May	YTD Total
Academic/Student:	17279	16,612	19,507	14,686	16,153	66,958
Attorney/Legal			45	180	189	414
Other:	6122	5,854	6,043	5,194	5,612	22,703
Network equipment manufacturer:	4309	3,647	4,047	3,294	3,900	14,888
Public network service provider:	2501	2,743	2,937	2,382	2,502	10,564
Network Software Developer/Manufacture	3004	2,705	3,039	2,310	3,128	11,182
Systems Administrator:	1960	2,604	2,191	1,772	1,878	8,445
Standards Developer:	1523	1,439	1,499	1,243	1,326	5,507
Network silicon manufacturer:	807	766	942	807	975	3,490
Private network service provider:	1135	1,148	1,576	1,194	1,137	5,055
Government:	1270	1,059	1,159	979	1,184	4,381
Journalist/Analyst/Author	565	463	580	344	300	1,687
Curious Citizen						-
Total	40,475	39,040	43,565	34,385	38,284	155,274

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User Type (4/03-5/06)

USER	PTD Total
Academic/Student:	687,570
Attorney/Legal	414
Other:	258,037
Network equipment manufacturer:	179,943
Public network service provider:	116,139
Network Software Developer/Manufacturer	113,466
Systems Administrator:	91,827
Standards Developer:	61,027
Network silicon manufacturer:	46,561
Private network service provider:	56,023
Government:	51,621
Journalist/Analyst/Author	20,825
Curious Citizen	74
Total	1,683,527

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Program Entries

Mar 2006 – Jun 2006

<u>Std</u>	<u>On or about</u>
• 802.11e-2005	5/13/06
• 802.16f-2005	6/3/06
• 802.3-2005	6/11/06

July 2006 – Nov 2006

<u>Std</u>	<u>On or about</u>
• 802.16e-2005	8/28/06
• 802.15.3b-2005	11/5/06
• 802.1Q-2005	11/19/06
• 802.1ad-2005	11/26/06

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June Approvals

IEEE Std

Tentative Pub Date

802.1AE

16 Oct 2006

802.3AN

15 Aug 2006

802.15.4

8 Sept 2006

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Status of 2007 Budget

Situation presented at closing EC March 2006

Plenary:

- **Projected funding shortfall on the order of \$200k for 2007**
- **This is based on extrapolating current trends for PDF, print, & subscriptions as well as corporate & individual sponsorships**
- **Program goal is to maintain “revenue-neutral” status.**
- **+/- 20% of budget triggers a program review. 2007 may be the first time we trip a trigger. Given the current trend it will only get worse.**

Program Options to Consider

1. Charge nominal fee
2. Delay adding standards documents from 6 months to “X”
3. Increase meeting registration fees
4. “Beefed-up” corporate sponsorships
5. Discontinue the current Get IEEE 802 ® program

Conclusion: Only option #1 considered to be a viable solution. Continue discussion for decision at July 2006 Plenary.

Possible Solution

- 1. LMSC contributions remain unchanged; \$75/participant/plenary**
- 2. Documents available for sale for the first six months after publication.**
- 3. After six months, provide restricted access (at no charge) and unrestricted access for nominal charge, \$30/download.**

Definitions: Restricted vs Unrestricted Access

- **Restricted access (no charge):**
 - **View only permissions. Customer must return to website each time they want to view the document.**
- **Unrestricted access (\$30/download):**
 - **View, print, search, store**

Recommendations for consideration

- **Implement restricted (no charge), unrestricted (\$30/download) for one year, starting in January 2007.**
 - **Assumption 10,000 downloads @ \$30 will close the gap on the shortfall**
- **Balance of program remains unchanged per earlier slide**

There will be a breakout meeting on Wednesday at 9am to discuss the options for the 2007 program. Discussion will continue over email.

5.07 II Update on any other SA actions

- **Kenney**

5 08:45 AM

John Hawkins/Karen Kenney

- Get IEEE 802 Program Update
 - Ad hoc: Wed 9-10am Molly A/B
- Ombudsman implementation

IEEE 802 Ombudsman

- An organizational ombudsman
 - Is a confidential and informal information resource, communications channel, complaint-handler and dispute-resolver, and a person who helps an organization work for change.
 - Purpose is to foster values and decent behavior - fairness, justice, equality of opportunity and respect
 - Is a designated neutral within an organization and usually reports at or near the top of that organization, outside ordinary management channels

IEEE 802 Ombudsman

- **Basic Options, Functions and Skills:**
 - Listening impartially
 - Providing and Receiving Information
 - Reframing Issues and Developing Options
 - Referral
 - Helping People Help Themselves
 - Information - Third Party Intervention and Diplomacy
 - Looking into the Problem
 - Generic Approach
 - Systems Change
 - Following Through
 - Investigation and Adjudication or Formal Appeals

IEEE 802 Ombudsman

As of 1 August 2006, contact information:

802ombudsman@ieee.org

Karen Kenney will be the 802 ombudsman. She will collect information from members of 802, be independent of 802, and decide what to do to resolve any concerns that are brought to her.

5.08 II SA BoG and Staff China visit update - Mills/Kenney 5 08:50 AM

5 Steve Mills reported that he and IEEE-SA delegation visited China during the week of 24 April 2006. He indicated that they met with several companies and standards/government organizations. Most discussions went very well. IPR was a big issue. Many were interested in understanding the IEEE policies on this issue. Out of the visit came interest by several companies in participating in the corporate advisory group. Thomas Li of Huawei was approved by the BOG as a member of the advisory group.

5.09 II 802 attendance software - Rigsbee 5 08:52 AM

10 Buzz reported that several tests of different systems are being run this week. Members are encouraged to provide feedback and to observe the use of the different systems. Buzz hopes that by the end of the week there will be enough information gathered to help decide on a selection for use in 802. Paul has set up a breakout meeting on Wednesday from 3-4pm for more discussion on this topic.

5.10 II Online Training Update - Thaler 5 08:57 AM

15 Pat reported that the course is up. She asked that the chairs inform their attendees of the course and encourage them to sign up. She also reported that the course information is linked from the front page of the 802 web site.

Pat indicated that the next course is one specialized on 802 rules and operations. This second course will be delayed until it is seen that the first training course is useful and utilized.

20

5.11 II SA Staff Liaison - Update - Kipness 5 09:02 AM



802 Designators

Michael Kipness

17 July 2006

IEEE

Capital Letters

- Old Designation
 - Project # = 802.1E
- New Designation
 - Project # = 802.1.1
 - Approval Year = _____
 - Project Type = New
 - Project Internal Notes(For WG Chair use only) – Text entered intended for internal usage only – 64 character limit
 - Project Public Notes - Text entered for optional public view as supplementary information – 64 character limit
 - WG Project Qualifier - 8-character field for WG usage in tracking document. One use is to replace the REV nomenclature used by 802, but actual usage is up to WG.

Revision Project Fields

- Old Designation
 - Project # = P802.3REVap
- New Designation
 - Project # (to be revised)= P802.3
 - Approval Year (of project to be rev) = 1999
 - Project Type = Revision
 - Project Internal Notes – Text entered intended for internal usage only – 64 character limit
 - Project Public Notes - Text entered for optional public view as supplementary information – 64 character limit
 - WG Project Qualifier - 8-character field for WG usage in tracking document. One use is to replace the REV nomenclature used by 802, but actual usage is up to WG.

Amendment Project Fields

- Old Designation
 - P802.16k
 - Root Prj # 802.1D
 - Root Prj year = 1999
- New Designation
 - Root Project # = P802.1D
 - Root Project Approval Year = 1999
 - Project Type = Amendment
 - Doc Modifier = a
 - Project Internal Notes – Text entered intended for internal usage only – 64 character limit
 - Project Public Notes - Text entered for optional public view as supplementary information – 64 character limit
 - WG Project Qualifier - 8-character field for WG usage in tracking document. One use is to replace the REV nomenclature used by 802, but actual usage is up to WG.

Perform Action on Selection:

Send Email to

Update Notes

Select View: Published Projects All active Projects All Projects

Select for Action	Parent	Committee, Project or Standard	Qualifier (See Note 2)	Type	Status	Date PAR Approved or Standard Published	PAR Expiration Date	Roster	View/Change Contacts
<input type="radio"/>	PE/TR	1636	HVAC	New	WGDraft	30-May-2002	May 5, 2008	25	Contacts
<input type="radio"/>	C/LM/802.3	802.3am	REV	Revision	Ballot Recirc#3	1-Jan-2003	June 22, 2009	25	Contacts
<input type="radio"/>	C/LM	802.3						17	Officers
<input type="radio"/>	C/MM	754	FUBAR	Revision	Revision	3-Mar-2003	December 31, 2012	12	Contacts



myProjecttm - Pxyz *Notes Update*

Project Qualifier: (8-characters max)

Project Internal Notes:

64 Characters Max

Project External Notes:

64 Characters Max

Update Notes

13 July 2006

TO: 802 SEC

FROM: Michael Kipness

The specifications for the new IEEE PAR form require conformity within all our Standards Committees. Some committees not using standard formats will be affected.

1. Revisions. Some 802 committees have been submitting their revisions to some standards as 802.x-REVx. The system will no longer accommodate the use of “REV” as part of the designation.

SOLUTION: Number 802.x-200x. Add a notes field to myProject that allows 64 characters max so that developers can note the “letters” in this field so they can track their own work. (There will be demo of the notes field at the Opening EC.)

During discussion with several 802 chairs, the major objection to this solution was the loss of the ability to track revisions. An alternative designation was suggested (802.x_REVx). However, the spec does not allow this. The notes field will accommodate tracking of revisions and the chairs may settle on a standardized system of their own for the notes field, such as REV1, REV 2 ...

2. Amendments. A problem arises when one working group is amending another working group’s document. Currently, the amendment is labeled with the number assigned to the working group rather than the number assigned to the document being amended. (A recent example of this is when an 802.16 working group amended 802.1D. The amendment was called 802.16k.) The system will no longer accommodate this.

SOLUTION: An amendment will be designated with the number of the document it is amending. (For example, an amendment to 802.1D would be designated 802.1Dx, regardless of what working group was working on it.)

3. Capital Letters. The 802.1 committee uses capital letters rather than numbers for the designations of their standards. An example is 802.1D. The system will accommodate all existing standards using this designation system. This grandfathering will include all revisions, amendments, corrigenda, etc. in perpetuity.

However, the system will not accommodate this style for new projects.

SOLUTION: The 802.1 committee will choose a new designation system for its new projects. Our suggested option is the designation system currently used by 802.11, .15, and .16. A sample of future designations is below.

New standards project	802.1.1-2006	
Amendment	802.1.1a-2007	
Corrigendum	802.1.1-2006/Cor_1	
Revision of standards project	802.1.1-2008	With REV1 noted in the notes field. Can also include that the revision includes the amendment and the corrigendum.

Paul scheduled a meeting to discuss the issue of the new document numbering system on Wednesday from 8-9am. Feedback from 802 has not yet been incorporated into the presentation.

5.12 II

-

5.13 II 802 Task Force update

- Nikolich

5 09:07 AM

IEEE-SA/802 Task Force

- Meeting held at March 2006 SASB meeting
 - Topics:
 - 1) MyBallot/MyProject update: Kipness
 - 2) European Patent Office: Law
 - 3) getIEEE802 budget: Kenney/Hawkins
 - Participants:
 - Carl, Grow, DavidL, Geoff, MikeK, GlennP, SteveS, Karen, Mills, Jon Rosen, bridge: Hawkins, Nikolich

IEEE-SA/802 Task Force

tentative agenda

- myBallot/myProject update – Kipness
 - Document numbering
- Get IEEE 802™ update - Hawkins/Kenney
- Attendance Software update - Labelle
- European Patent Office update - Mills
 - Law has action to investigate the viability of offering a ‘search service’
- Indemnification
 - non-US citizen when meeting in non-US venue - Kipness
- Wednesday 1-3pm

5.14 II

-

5.15 II

-

LMSC items

5.16 MI LMSC Meeting Fee Waivers

-

Nikolich

2

08:55 AM

Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
 - IEEE-SA Staff Participants (see slide 14 following)
 - Invited Participants
 - None known at this time

IEEE Staff Introductions

- Karen Kenney: Associate Managing Director, Business Administration
- Susan Tatin: Associate Managing Director, Technical Program Development
- Michael Kipness: Program Manager, Technical Program Development
- Michelle Turner: Program Manager, Document Development
- Jennifer McClain: Managing Editor, Standards Information and Industry Publishing
- Bob LaBelle: Manager, Networks and Telecommunications
- Angela Weaver: Business Manager (RAC administrator)
- Penny Stanton: Electronic Balloting Specialist
- Christina Sahr: Technical Project Manager
- Kim Brietfelder: Manager, Standards Editing and Production
- Michelle Deluca: support RAC meeting
- Edward Rashba: Manager, New Technical Programs
- Bob Pritchard: Staff support for ISO/IEC JTC1 activities, Consultant
- Clyde Camp: Staff support for myballot and myproject, Consultant
- Michael Lindsay: IEEE SA Counsel

5.17 II reserved - Nikolich 2
Nothing was presented under this agenda item.

5.18 II Tutorial schedule - Nikolich 5 09:12 AM

Tutorial Schedule

Monday	Tuesday
1) PAR for 802.22 Rec. Practice 6:00-7:30PM sponsor: Carl Stevenson	4) CFI: form an 802.3 Study Group on: Higher Speed Ethernet 6:00-7:30PM sponsor: Bob Grow
2) Congestion Notification 7:30-9:00PM sponsor: Tony Jeffree	5) 802.21 Overview 7:30-8:00PM sponsor: Vivek Gupta
3) 10GBASE KR FEC compatible with 64/66 encoding 9:00-10:30 sponsor: Pat Thaler	6) Body Area Networks 9-10:30 PM sponsor: Bob Heile
	28

ISO/IEC JTC1/SC6 - TELECOM & INFO EXCHANGE BETWEEN SYSTEMS

IN THE BEGINNING:

- IEEE 802 SUBMITTED STDS to SC6, and THEY BECAME ISO/IEC 8802 STDS
- USA HELD SECRETARIAT of SC6 and US INDIVIDUAL CHAIRED SC6

ISO/IEC JTC1/SC6 - TELECOM & INFO EXCHANGE BETWEEN SYSTEMS

LATER on, as TIMES CHANGED:

- IEEE 802 SUBMITTED FEW STDS; SOME WERE FAST TRACKED
- USA GAVE UP SC6 SECRETARIAT (AND CHAIR) – ASSUMED BY KOREA
- IEEE had LIAISON WITH SC6 (NO VOTE)

ISO/IEC JTC1/SC6 - TELECOM & INFO EXCHANGE BETWEEN SYSTEMS

YEAR 2004

- INDICATION of an EFFORT to CHANGE 8802-11, INDEPENDENT of IEEE 802
- A FEW LEADERS in IEEE-SA DECIDED NEEDED an IEEE-INFLUENCED VOTE in SC6.
- SINCE VOTES in JTC1 by COUNTRY, DECIDED to WORK with USA

ISO/IEC JTC1/SC6 - TELECOM & INFO EXCHANGE BETWEEN SYSTEMS

IN THE USA IN 2004:

- US INPUTS to JTC1 via a US TAG
- IEEE HAD GIVEN UP PARTICIPATION IN US TAG TO JTC1/SC6
- INCITS HAD ASSUMED US TAG for SC6
- NO INTEREST or COMPETENCE in LAN/MAN BY INCITS. HENCE, US ABSTAINED on LAN/MAN SUBJECTS

JTC1/SC6 and IEEE802

FORMED US PROJECT TAG to SC6/WG1:

- MEMBERS by ORGANIZATION, not INDIVIDUALS
- PRESENTLY HAS 5 MEMBERS: CISCO, H-P, INTEL, LEXMARK, & NORTEL
- DEVELOPS US POSITIONS on SC6 LAN/MAN MATTERS
- FACE to FACE MTGS at IEEE-802, OTHERS by TELECONFERENCE

JTC1/SC6 and IEEE802

PROGRAM of WORK of SC6/WG1:

- HAS 11 SUB-DIVISIONS – “PROJECTS”
- PROJECT O5: LAN/MAN Projects:
 - SOME 8802 MAINTENANCE
 - FEW FINAL-STAGE AMENDMENTS

ISO/IEC JTC1/SC6/WG1

RECENT CHANGES

- ADDED TWO FAST TRACKED ECMA STANDARDS
- TWO NEW NPs from KOREA in BALLOT
- ACTION ITEM to RE-EXAMINE the PROCEDURES for COOPERATIVE WORKING between SC6 and IEEE LMSC

Bob Pritchard is the JTC1 TAG administrator from IEEE. IEEE maintains a liaison relationship (without voting rights).

5.20 II ISO/IEC JTC1/SC6 strategic planning ad hoc

- Nikolich

5 09:18 AM

ISO/IEC JTC1/SC6 planning ad hoc

- Observations:
 - 1) 802's current process regarding SC6 is passive--WGs would submit documents and until recently they would get approved without objection or controversy. In effect, once an 802 standard was approved, it was a matter of time before it received ISO/IEC JTC1 approval.
 - 2) The passive approach worked well as long as there wasn't any conflict between the scope of 802's standards and other standards being considered in SC6.
 - 3) Things have changed. Now SC6 seems to be a target for NBs developing standards that overlap 802 standards in scope. 802 standards developers are relatively unaware of this change.
 - 4) I assume this change in SC6 activity will be cause for concern for the standards developers in 802 once they understand what is happening.
 - 5) At a minimum 802 should understand the current scope of activity in SC6 and make sure the 802 standards developers are fully aware of it. We need a means of monitoring and reporting to our membership what is happening in that committee.
 - 6) Based on feedback from 802's participants, possibly revise the process by which we interact with SC6 to make sure our participants positions are adequately represented there.
- Logistics
 - Chaired by Steve Mills
 - Location/time--TBD

5.21 II China Liaison update - Marks 5 09:20 AM

Roger reported that the main activities were the visit by IEEE-SA to China and the meetings set up during that visit. There are no concrete liaison actions to propose at this time.

5.22 II P&P update - Sherman 15 09:23 AM

5

EC

LMSC Policy and Procedures Update

Author:

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

Date: July 17th, 2006

Summary of P&P Activities

- Latest rev of LMSC P&P dated January 4, 2006
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Two P&P revisions ballot conducted
 - Approval votes for Friday
- One new P&P revision being proposed
 - May be second depending on EC straw polls
 - Vote for electronic ballot on Friday
- Held Sunday Night P&P Review covering
 - Several P&P issues of general interest discussed as well as on going and planned revisions

Current LMSC P&P Revision Ballots

- Editorial2 (Matthew Sherman)
 - Revision* : <http://grouper.ieee.org/groups/802/secmail/bin00265.bin>
 - Comments: <http://grouper.ieee.org/groups/802/secmail/msg08311.html>
 - Addresses assorted editorial issues
 - Vote for approval Friday
- Document Numbers (Matthew Sherman)
 - Revision* : <http://grouper.ieee.org/groups/802/secmail/bin00260.bin>
 - Comments: <http://grouper.ieee.org/groups/802/secmail/msg08310.html>
 - Delete document numbers section
 - Vote for approval Friday

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

Proposed LMSC P&P Revision Ballots

- WG Voting Procedures
 - Revision
 - <http://grouper.ieee.org/groups/802/secmail/doc00568.doc>
 - Concerns Addressed
 - Numerical vote tallies required for all matters brought before the EC
 - Clarification of what the WG Chair determines for voting issues
 - Clarification of the definition of what are “technical” issues.
 - Clarification of the ballot form for issues other than submission to letter ballot.
 - Vote to send to ballot on Friday

Other Matters

Sunday Night P&P Review Meeting

- Short - Only 2 hours
- No issues regarding the existing ballots were raised
- Agreed to bring back WG Voting Procedures ballot
- Discussed possible ballot on when P&P Revisions become effecting
 - Straw Poll in process
- Discussed partitioning existing P&P into P&P and Operations Manual (OM)
 - Driven by Rules changes governing P&P in IEEE-SA
 - Straw Poll in process
- Discussed status of Chairs Guide
 - Use to capture P&P interpretations when we make them
- Discussed having policy on how long to maintain documents for disbanded groups
 - No consensus

Why an LMSC OM?

- Extract From Draft June 2006 IEEE SA SB Minutes

A motion was made by Daleep Mohla and seconded by Gary Robinson that was amended by Robby Robson and Bill Hopf as follows:

Motion - Move that the IEEE-SA Standards Board include the following in the IEEE-SA Standards Board Operations Manual:

The IEEE Standards Sponsor policy and procedure document accepted by AudCom shall be the official policies of that Sponsor and shall reside online on the IEEE-SA Standards Board AudCom website. No other copy shall be designated as the official copy. Links to the IEEE-SA Standards Board AudCom website are encouraged.

Result - 22 approve

- Also discussions on only posting changes ONCE per year
- Having an OM would allow us to more rapidly adopt rules if necessary

Geoff asked that 802 provide an official response to the SASB that the adopted resolution regarding the use of AudCom to accept and post the official sponsor P&P is unacceptable, given the exhibited lack of response of AudCom and no requirement for performance by AudCom in the resolution. Mat said he would bring such a motion on Friday.

5.23 II Architecture Group update

- Jeffrey

5 09:37 AM

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Candidate topics

- Consumer electronics – anything that is on the critical path:
 - Service interface – harmonisation across MACs
 - Time synchronization
 - Some aspects of QoS
- Location awareness – relevance to VoIP
- Link aggregation - .3 or generic
 - Need to make sure that “PHY Agg” doesn’t break Link Agg
 - Slow Protocol – where should this live
 - Procedurally how does it get moved? (2 simultaneous PARs)
- Energy (power) management
 - Probably not ready for this yet, but it will hit us hard at some point
 - Issues with respect to constant services (Time protocols, Spanning tree...)
- End station HILI
 - 802.1 issue
- 48 vs 64-bit addressing
 - If it needs to be Bridged, then 48 bit is the only way
 - If it doesn’t need to be Bridged (and therefore, is a “New Application”), then 64 bit will be strongly encouraged by the RAC.

Roger raised the issue that he is confused about the place and utility of the 802 Wireless Architecture group. Paul asked that he meet with the interested parties and come back to the Friday EC meeting with a report and recommendation.

5.24 II notice of PARs under consideration

- WG chairs

5

09:49 AM

Notice of PARs and SGs under consideration

- WG chairs to report
 - PARs reported earlier in the agenda
 - SGs?
 - 802.1-congestion management study group
 - 802.3-10G EPON, potential study group on higher speed
 - 802.11-audio/visual, JTC1/SC6 sg
 - 802.15-body area networking sg
 - 802.16- none
 - 802.19- none
 - 802.21- pre-authentication sg under consideration
 - 802.22- none

5.25 II notice of Study Groups under consideration - WG chairs 5

Reported under the previous agenda item.

5.26 II Meeting Planner contract status update - Rigsbee 5 09:55 AM

5 Buzz reported that the current contract has an automatic extension clause to extend for one year at current rates and conditions, with the execution of simple addendum. He plans to ask the EC to execute the extension on Friday, circulating it individually to the EC members for review.

5.27 II Network Services contract status update - Rigsbee 5 09:57 AM

10 Buzz reported that the contract signing has been held off until the network was stable and operating as desired. He plans to complete the contract language, asking the EC to execute a two-year contract for network services on Friday. Bob Grow indicated he felt that there would be insufficient time to adequately review the contract, this week.

5.28 II Appeal status - O'Hara/Nikolich 5 10:02 AM

Appeal update

- Wieczorek/Oprescu/Mollenauer appeal status
 - EC must make a decision on appeal re-hearing
 - If approved, re-hearing will be held noon-1pm today
- Yaghoobi/Puthenkulam appeal received 16FEB2006
 - Appellee: Jerry Upton
 - Appeal panel: Stuart Kerry, Bob Heile, John Hawkins (chair)
 - Scheduled for 4-5pm Wednesday
- JUpton has appeal to be heard at Sept06 SASB meeting
 - Regarding EC decision not to renew PAR
- JUpton has appeal to SA BoG
 - Regarding SASB decision to suspend 802.20 WG

Special EC meeting notice

Tuesday noon-1pm

- Several pending appeals and dot20 suspension by SASB are a cause of significant concern to the 802 Chair. Issues/concerns:
 - How to deal with overlap of WG scope
 - Concerns over block voting
 - WG participants apparently delaying progress instead of contributing to forward progress
- We've had similar issues before—and successfully dealt with them—why has it become such a large problem now?
- 802 Chair is calling a 'special' EC meeting to discuss the root causes of these issues and attempt to identify resolutions
 - Main objective: facilitate communication among EC members in a non-threatening meeting environment
- Executive Session
 - Strictly limited to EC members and SASB chair
 - EC member participation is mandatory
- Noon-1pm Tuesday in Molly A/B

Opening Plenary Agenda

- 1) The usual boilerplate stuff--Financial Report, Patent Policy, Membership Policy, general announcements (tutorials, new PARs, etc.)
- 15 minutes (Nikolich, Sherman, Thaler, Rigsbee, Hawkins, O'Hara, Thompson)
- 2) Q&A from the audience with EC members (Nikolich moderates)
-15 minutes
- 3) Steve Mills presents "The IEEE and International Standards"
-15 minutes
- 4) Q&A on Mr. Mills presentation
- 10 minutes (Nikolich moderates).
- 5) Closing remarks, notices:
- 5 minutes (Nikolich)

- 5.30 II Comments on ITU-R clarification - Lynch 1 10:09 AM
 Mike circulated two documents from ITU-R WP8A to the EC reflector. He reminds everyone that 802.18 began working on the response in the May 2006 interim. He encourages everyone to send folks to participate. This is the last chance for input on this issue.
- 5 5.31 II Utilizing ITU-T as an international standardization path - Mills 2 10:11 AM
 Steve Mills reported the ITU-T accepted the IEEE as a sector member. They are seeking a technical liaison. There is work to set up a joint workshop with ITU-T in the middle of next year.
- 10 5.32 II Marks announcing a change in affiliation and 802.16 vice chair election - Marks 1 10:14 AM
 Roger announced that he is now employed by a new employer. He has provided a new affiliation letter. He supplied the secretary with the required letter of support from his employer. He reported that with his change of employment, both the chair and vice chair of 802.16 worked for the same employer. The vice chair has resigned. A new election will be held to fill the position.
- 15 5.33 II Tutorial announcement - Stevenson 1 10:15 AM
 Reported in the tutorial slide, above.
- 5.34 II 802.16 RAC issue - Marks 5 10:16 AM
 The 802.16 Working Group has an issue on the Thursday RAC agenda regarding establishment of a registration authority for the 802.16 Operator ID.
- 20 5.35 II Budget issue - Heile 1 10:17 AM
 Bob reported that the suspension of 802.20 has resulted in a significant issue for the 802.11/15 treasury. Expectation of numbers of attendees has dropped and will result in a deficit of at least \$80,000 for the September interim meeting.
- 5.36 II -
 5.37 II -
 5.38 II -
 5.39 II -
 5.40 II -
 5.41 II -
 5.42 II -
 5.43 II -
 5.44 II -
 5.45 MI Appeal Re-hearing request - Upton 5 10:23 AM

Appeal re-hearing decision

- Decide the question: should a re-hearing of the March 2006 appeal be granted with the full scope of the original appeal to be considered?
 - If yes: full scope hearing conducted noon-1pm Monday
- If no: decide the question: should a re-hearing of the March 2006 appeal with the scope limited to that requested by the appeal panel be granted?
 - If yes: limited scope hearing conducted noon-1pm Monday
 - If no: end of agenda item
- Process: twice ‘around the table’ then decide
 - Sequence: Upton, appellants, EC members

Rehearing Request – Appeal by Motorola Affiliated Members

Panel ruled against Appellants' requested remedies and against the core basis of their complaint by supporting the Appellee's position that the Working Group's expectation was that participants should be ready to submit a proposal when it was formally requested.

Therefore, the remedies given should be reconsidered in a rehearing.

In particular, Panel Ruling for a Revote for the Technology Selection Process document should be reheard because:

- Appellants did not request this revote.
- The panel's cited "4 hour rule" in the WG P&P does not apply to this document per working group's normal and documented practices.
- The "4 hour rule" only applies to technical changes of a draft specification, because of the importance of modifying a future standard.
- Appellants did not object to this normal practice in their appeal nor has any working group member objected since the WG P&P was established.
- The technology selection process was approved as a Procedural document (50% vote) per the Sept. 2005 minutes, not as a technical document per the panel.

- Based on New Evidence that was not available at the time of the appeal response and rehearing request, this appeal now appears to be part of an organized campaign to disrupt the develop of an 802.20 standard. Given these actions the appeal should be dismissed.
- The new evidence was not sent for email discussion per Paul's suggestion because it is too serious a matter, so I chose to raise it with the Executive Committee in person.
- *The Panel ruling for a revote of the Technology Selection Process is a disproportionate remedy* because it effectively ends 802.20, is inconsistent with the IEEE 802 and IEEE goal of completing standards, and supports the plans of a group of attendees from certain companies who support 802.16/WiMAX whose sole goal is stopping 802.20 from completing a standard.

Since November 2005, attendees from certain companies have attempted to dominate and disrupt the 802.20 sessions.

- Their actions appear coordinated based on motions made in the sessions, ballot comments and joint contributions.
- They have held meetings to discuss 802.20 before several of the 802.20 sessions. Invited to these pre-planning meetings were the key leaders from 802.16e-advocate companies, leaders of the disruptions, the filers of the appeals and the head of the WiMAX Forum.
- These meetings started before the November Plenary and have been organized by Motorola with a name – “802.20 Next Steps”
- Minutes starting in November 2005 show a disruptive pattern of motions and statements. Personal and degrading comments have been directed toward the Chair, other officers and members of the Working Group.

Voter Build Up

Companies Voter Buildup	"Jul 05" Voters	"Nov 05" Voters	"Jul 06" Voters	"Nov 06" Voters (if attended July Plenary as scheduled)
Intel	1	1	16	18
Motorola	2	3	8	8
Samsung	3	2	29	37
ETRI	2	1	13	15
Broadcom	1	1	3	4
Siemens	1	1	2	2
Texas Instruments	0	1	3	5
Total	10	10	74	89

The above companies are highlighted because they were invited to the noted pre-meetings.

This voter build up is significant since the Working Group only had 86 voters in Nov. 2005 and only 79 in Jan. 2006

- These attendees have made appeals to require re-votes of previously approved actions in the Working Group.
- With the build up of new voting membership by these attendees, it is unlikely any vote that progresses the work towards completion of the standard will be approved.

What We Need

To correct the problem, 802.20 participants (including the appellants) need time to develop and present proposals, with assurance that the IEEE 802.20 process is

- Open: any interested party may contribute in a meaningful way;
- Fair: WG procedures and rulings of the chair do not favor any one party to the detriment of others
- Transparent: activities of the WG and reasons for decisions are visible to all interested parties; stated affiliations are accurate

Time **must** be allowed for proposal development

Vote to approve a full rehearing:

	Buzz Rigsbee	No
	Steve Shellhammer	Yes
5	Mat Sherman	No
	Roger Marks	No
	Vivek Gupta	No
	Bob Heile	Yes
	Mike Lynch	Yes
10	Pat Thaler	No
	Stuart Kerry	Abstain
	Carl Stevenson	Yes
	Tony Jeffree	No
	Bob Grow	No
15	Mike Takefman	No
	John Hawkins	Yes
	Bob O'Hara	No

5/9/1 Fails

20	Vote to approve a rehearing limited to the scope of the vote threshold on the re-vote of the TSP.	
	Buzz Rigsbee	Yes
	Steve Shellhammer	Yes
	Mat Sherman	Yes
25	Roger Marks	Yes
	Vivek Gupta	Yes
	Bob Heile	Yes
	Mike Lynch	Yes
	Pat Thaler	Yes
30	Stuart Kerry	Yes
	Carl Stevenson	Yes
	Tony Jeffree	Yes
	Bob Grow	No
	Mike Takefman	Yes
35	John Hawkins	Yes
	Bob O'Hara	Yes

14/1/0 Passes

40 The chair announced that the rehearing will be heard in Manchester H from noon to 1pm today.

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

- Nikolich

3

10:52 AM

EC meetings for the week held in Molly A/B

- Monday noon-1pm potential appeal re-hearing (Sherman)
- Tuesday 9-11am reserved (Paul)
- Tuesday noon-1pm EC executive session
- Tuesday 1-2pm JTC1 SC6 planning ad-hoc (Mills to chair)
- Tuesday 4-6pm Network Services Contract (Rigsbee)
- Wed 8-9am Project numbering discussion
- Wed 9-10am getIEEE 802 budget review (Hawkins)
- Wed 10-noon Meeting Planner Contract (Rigsbee)
- Wed 1-2:30pm 802 Task Force (Nikolich)
- Wed 2:30-3pm reserved (Nikolich)
- Wed 3-4pm Attendance SW and Document Management discussion (Rigsbee)
- Wed 4-5pm appeal hearing (Hawkins)
- Thursday 10-11am open
- Thursday 11am-1pm open
- Thursday 1-2pm open
- Thurs 5-7pm 'open office' (802 Chair Paul Nikolich, Stds Board Chair Steve Mills, IEEE SA Past President Jim Carlo and IEEE Staff Karen Kenney)

ADJOURN SEC MEETING

- **Nikolich** **10:52 AM**

The end of the agenda having been reached, the EC meeting was adjourned.

6.00 PL IEEE 802 PLENARY MEETING STARTS

- **Nikolich** **60** **11:00 AM**

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IEEE802 Monday Plenary Agenda

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

IEEE 802 ORGANIZATION

EXECUTIVE COMMITTEE (EC)

CHAIR
Paul Nikolich

WORKING GROUP/TAG CHAIRS

802.1
BRIDGING/ARCH
Tony Jeffree

802.3
CSMA/CD
Bob Grow

802.11
WLAN
Stuart J. Kerry

802.18 TAG
Radio Regulatory
Mike Lynch

802.15
WPAN
Bob Heile

802.16
BWA
Roger Marks

802.17
ResPackRing
Mike Takefman

802.19 TAG
Coexistence
Shellhammer

802.20
MBWA
Jerry Upton

802.21
Handoff
Vivek Gupta

802.22
WRAN
Stevenson

APPOINTED OFFICERS

1st VICE CHAIR
Mat Sherman

2nd VICE CHAIR
Pat Thaler

EXECUTIVE SECY
Buzz Rigsbee

RECORDING SECY
Bob O'Hara

TREASURER
John
Hawkins

**MEMBER
EMERITUS**
Geoff
Thompson

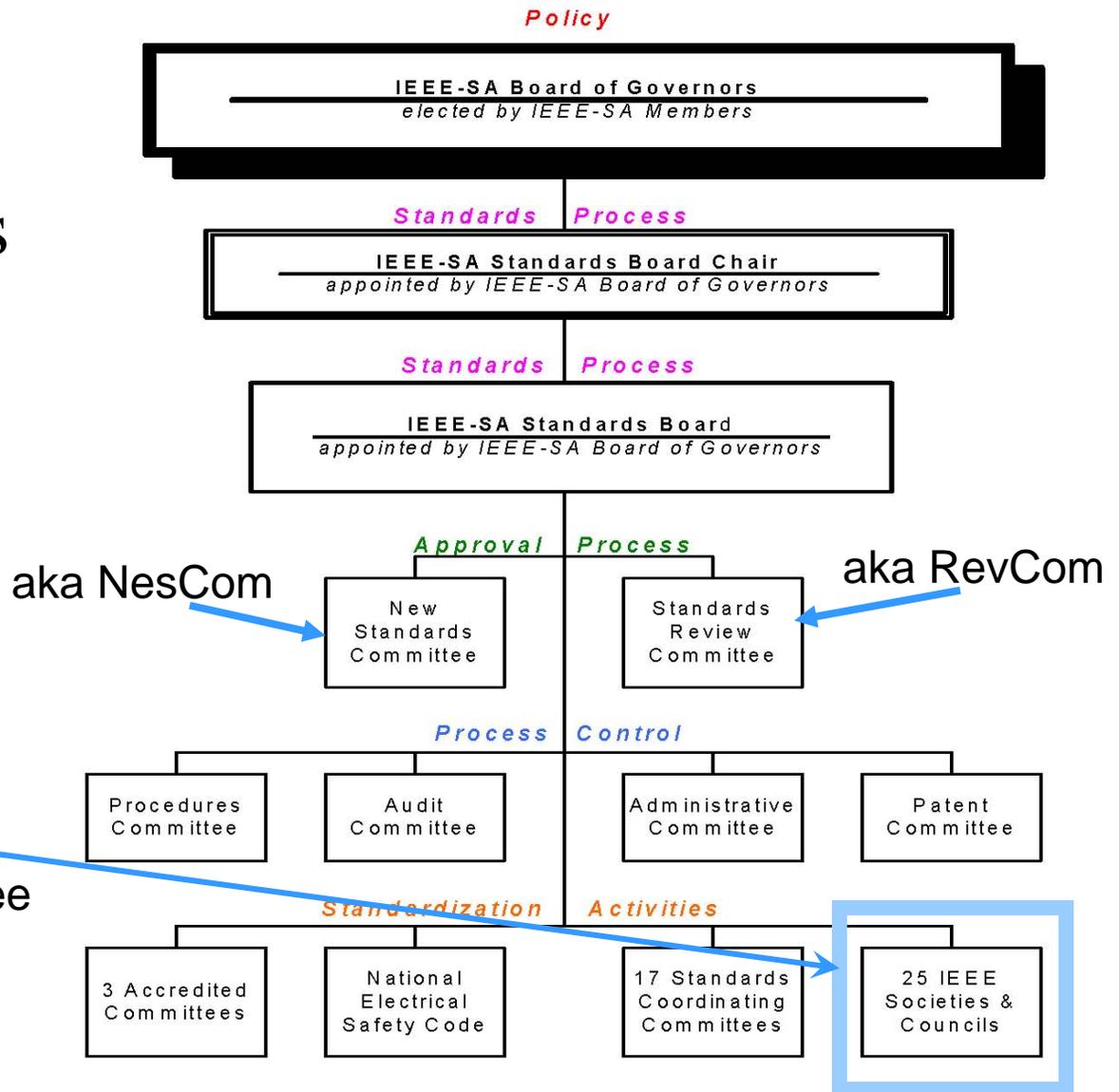
HIBERNATION

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

DISBANDED

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

IEEE Standards Organization



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

IEEE Board of Directors Action

7 July 2006

Paul Nikolich, Chair
IEEE LAN/MAN Standards Committee

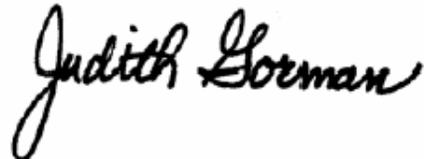
Dear Paul:

As you are already aware, IEEE received an anonymous letter dated 14 March 2006, containing several allegations critical of the practices and procedures associated with IEEE 802 meetings. IEEE's Board of Directors has retained the law firm of Dorsey & Whitney LLP to conduct a thorough, independent, and expeditious investigation of these allegations. IEEE has instructed its staff to cooperate fully with this inquiry and hopes its volunteers do likewise.

At the conclusion of its investigation, Dorsey will report its findings to the Board of Directors. At that time, the need for additional communication will be determined.

Thank you for your patience during this process. Please feel free to contact me via email at j.gorman@ieee.org.

Sincerely,

A handwritten signature in black ink that reads "Judith Gorman". The signature is written in a cursive, flowing style.

Managing Director, IEEE-SA

cc: Claire Topp, Counsel, Dorsey & Whitney
Don Heirman, President, IEEE-SA
Steve Mills, Chair, IEEE-SA Standards Board

IEEE 802 Ombudsman

- An organizational ombudsman
 - Is a confidential and informal information resource, communications channel, complaint-handler and dispute-resolver, and a person who helps an organization work for change.
 - Purpose is to foster values and decent behavior - fairness, justice, equality of opportunity and respect
 - Is a designated neutral within an organization and usually reports at or near the top of that organization, outside ordinary management channels

IEEE 802 Ombudsman

- **Basic Options, Functions and Skills:**
 - Listening impartially
 - Providing and Receiving Information
 - Reframing Issues and Developing Options
 - Referral
 - Helping People Help Themselves
 - Information - Third Party Intervention and Diplomacy
 - Looking into the Problem
 - Generic Approach
 - Systems Change
 - Following Through
 - Investigation and Adjudication or Formal Appeals

IEEE 802 Ombudsman

As of 1 August 2006, contact information:

802ombudsman@ieee.org

June 2006

SA Standards Board Actions

802.20 Working Group Activities Suspended until 1OCT2006 by action of SASB

Operating Conditions during suspension:

- Text of official notice available on 802.20 web site
- 802.20 WG Chair retains voting rights on EC
 - Exception: mandatory recusal during vote on appeal re-hearing
- 802.20 Web Site is frozen but accessible to all
- 802.20 Email reflector is frozen
- Appeals continue per original schedule
- Input from 802 members invited by SASB (see following slides)

Standards Board and 802.20

- On June 15, Standards Board suspended operations of 802.20
 - 802.20 has been the subject of several appeals from the very beginning of the group, with four appeals now pending at one level or another
 - recent activity in the group appears to have become highly and unusually contentious
 - concern over lack of transparency, possible “dominance,” and other irregularities in the Working Group
 - Standards Board will continue its inquiry and will make decisions at its September meeting

Standards Board and 802.20

- Submissions Invited
 - Standards Board invites interested persons to submit relevant *factual* information on 802.20, its operation, and its interaction with other groups and organizations
 - 2500-word limit per submission
 - Email to 802_comments@ieee.org
- Rules for Submissions
 - Anonymous submissions will not be accepted or considered
 - Submitters must provide
 - individual's name title, email, telephone and address
 - employer name and the name (if different from employer) of any individual or entity that is directly or indirectly funding the individual's submission or that has funded the submitter's participation in 802

Standards Board and 802.20

- Use of Information
 - IEEE-SA is inviting information to assist the Standards Board in its inquiry but may use for other purposes
 - IEEE-SA will determine whether information is disclosed or sources are identified
 - Submitters may request confidentiality but IEEE-SA will make final decision

IEEE Staff Introductions

- Karen Kenney: Associate Managing Director, Business Administration
- Susan Tatiner: Associate Managing Director, Technical Program Development
- Michael Kipness: Program Manager, Technical Program Development
- Michelle Turner: Program Manager, Document Development
- Susan Vogel: Manager, Technical Committee Programs
- Jennifer McClain: Managing Editor, Standards Information and Industry Publishing
- Bob LaBelle: Manager, Networks and Telecommunications
- Angela Weaver: Business Manager
- Penny Stanton: Electronic Balloting Specialist
- Christina Sahr: Technical Project Manager
- Kim Brietfelder: Manager, Standards Editing and Production
- Michelle Deluca: ???title???
- Edward Rashba: Manager, New Technical Programs
- Bob Pritchard: Staff support for ISO/IEC JTC1 activities, Consultant
- Clyde Camp: Staff support for myballot and myproject, Consultant
- Michael Lindsay: IEEE SA Counsel

Awards

- IEEE Std 802.16e-2005
 - Roger Marks, Brian Kiernan, Ron Murias, Jon Labs, Itzik Kitroser
- IEEE Std 802.1ad-2005 and IEEE Std 802.1Q-2005
 - Tony Jeffree Michael J. Seaman Stephen Haddock
- IEEE Std 802.15.3b-2005
 - John R. Barr, James D. Allen, James P. K. Gilb, John Sarallo
- IEEE Std 802.3-2005/Cor 1-2006
 - Robert M. Grow, David Law
- 2007 IEEE Charles Proteus Steinmetz Award
 - Vic Hayes

Patent Policy

(see next four slides)

Instructions for the WG Chair

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

IEEE-SA Standards Board Bylaws on Patents

6. Patents

in Standards

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

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

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

Inappropriate Topics for IEEE WG Meetings

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

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

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

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

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

If you have questions, contact:

**IEEE-SA Standards Board Patent Committee Administrator at:
patcom@ieee.org**

or visit

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

**IEEE Project 802
Statement of Operations
March 2006 Plenary Session
Denver, CO
As of Jul 16, 2006**

Session Income				Est/Act	Budget	Deviation
			Net Registrations	1,372	1,200	172
67%	925	Early Registrations	@ \$400 370,000			370,000
	22	Early cancellations	@ \$400 -8,800			
	31	Cancellations	@ \$350 -10,850			
32%	444	Registrations	@ \$500 222,000			222,000
	5	Cancellation	@ \$450 -2,250			
	2	Special Cancellation	@ \$500 -1,000			
	1	On-site registrations	@ \$500 500			
	1	Student	@ \$100 100			
	1	Special Registration	@ \$400 400			
	2	Other credits	@ \$100 -200			
		Registraion Subtotal	569,900	556,891	497,465	59,426
	0	Deadbeat Payment	@ \$500 0	0	0	0
		Interest		68	60	8
		Other		74,261	0	74,261
TOTAL Session Income				631,220	497,525	133,695
Session Expenses				Actual	Budget	
		Audio Visual Rentals		16,855	15,000	(1,855)
		Audit		0	8,000	8,000
		Bank Charges		140	500	360
		Copying		3,879	3,500	(379)
		Credit Card Discounts & Fees		12,688	14,515	1,827
		Equipment Expenses		24,345	9,000	(15,345)
		Get IEEE 802 Contribution		96,900	90,000	(6,900)
		Insurance		2,713	3,500	787
		Meeting Administration		83,485	75,064	(8,421)
		Misc Expenses		3,083	500	(2,583)
		Networking		64,345	65,000	656
		Other		18,133		
		Phone & Electrical		529	2,100	1,571
		Refreshments		117,886	96,000	(21,886)
		Shipping		12,764	6,500	(6,264)
		Social		79,091	42,000	(37,091)
		Supplies		1,250	500	(750)
TOTAL Session Expense				538,089	431,679	(106,409)
Other Income/Expense				0		
NET Session Surplus/(Deficit)				93,131	65,846	27,286
Analysis						
		Refreshments per registration		86	80	(6)
		Social per registration		58	35	(23)
		Meeting Admin per registration		61	62.55	2
		Surplus/(Loss) per registration		68	55	13
		Pre-Registration ratio		0.67	0.85	

IEEE Project 802
Estimated Statement of Operations
July 2006 Plenary Session
San Diego, CA
As of July 16, 2006

Meeting Income	<i>Estimate</i>
Registrations	1,400
Registration income	609,000
Cancellation refunds	(10,962)
Deadbeat collections	0
Bank interest	60
Other income	100,110
TOTAL Meeting Income	698,208

Meeting Expenses	<i>Budget</i>
Audio Visual Rentals	27,500
Audit	6,000
Bank Charges	500
Copying	3,750
Credit Card Discount	17,052
Equipment Expenses	11,000
Get IEEE 802 Contribution	105,000
Insurance	0
Meeting Administration	84,658
Misc Expenses	3,500
Network	60,000
Phone & Electrical	2,500
Refreshments	125,000
Shipping	4,500
Social	70,000
Supplies	800
Other Discounts	0
TOTAL Meeting Expense	521,760

Other Income/Expense

NET Meeting Income/Expense **176,448**

Analysis

Refreshments per registration	89
Social per registration	50
Meeting Administration per registration	60
Networking per registration	43
Get IEEE 802 Contribution per registration	75
Surplus/Deficit per registration	126
Pre-registration rate	0.650

LMSC Policy and Procedures Update

Author:

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

Date: July 17th, 2006

What are the LMSC P&P?

- P&P is short hand for Policies and Procedures
- LMSC P&P are the ‘rules’ that govern the IEEE 802 LMSC
- LMSC P&P can be found at
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Working groups also have P&P
- Other ‘Governance’ documents from
 - IEEE Standards Association
 - IEEE Computer Society
- P&P Review Session usually held Sunday Night before Plenary
 - Review current P&P issues
 - All participants welcome

Summary of P&P Activities

- Most recent LMSC P&P dated January 4, 2006
 - <http://grouper.ieee.org/groups/802/policies-and-procedures.pdf>
- Two P&P revisions ballot conducted
 - Approval votes for Friday
- One new P&P revision being proposed
 - May be second depending on EC strawpolls
 - Vote for electronic ballot on Friday
- Held Sunday Night P&P Review covering
 - Several P&P issues of general interest discussed as well as on going and planned revisions

Current LMSC P&P Revision Ballots

- Editorial2 (Matthew Sherman)
 - Revision* : <http://grouper.ieee.org/groups/802/secmail/bin00265.bin>
 - Comments: <http://grouper.ieee.org/groups/802/secmail/msg08311.html>
 - Addresses assorted editorial issues
 - Vote for approval Friday

- Document Numbers (Matthew Sherman)
 - Revision* : <http://grouper.ieee.org/groups/802/secmail/bin00260.bin>
 - Comments: <http://grouper.ieee.org/groups/802/secmail/msg08310.html>
 - Delete document numbers section
 - Vote for approval Friday

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

Questions?

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

On Line Training

- Pat Thaler
- On line training is now live
- Newcomer training instituted this week

Tutorial Schedule

Monday	Tuesday
<p>1) PAR for 802.22 Rec. Practice 6:00-7:30PM sponsor: Carl Stevenson</p>	<p>4) CFI: form an 802.3 Study Group on: Higher Speed Ethernet 6:00-7:30PM sponsor: Bob Grow</p>
<p>2) Congestion Notification 7:30-9:00PM sponsor: Tony Jeffree</p>	<p>5) 802.21 Overview 7:30-8:00PM sponsor: Vivek Gupta</p>
<p>3) 10GBASE KR FEC compatible with 64/66 encoding 9:00-10:30 sponsor: Pat Thaler</p>	<p>6) Body Area Networks 9-10:30 PM sponsor: Bob Heile</p>
	69

EC meetings for the week held in Molly A/B

- Monday noon-1pm appeal re-hearing (Sherman)
- Tuesday noon-1pm EC executive session
- Tuesday 1-2pm JTC1 SC6 planning ad-hoc (Mills to chair)
- Tuesday 4-6pm Network Services Contract (Rigsbee)

- Wed 8-9am Project numbering discussion (Kipness)
- Wed 9-10am getIEEE 802 budget review (Hawkins)
- Wed 10-noon Meeting Planner Contract (Rigsbee)
- Wed 1-2:30pm 802 Task Force (Nikolich)
- Wed 2:30-3pm reserved (Nikolich)
- Wed 3-4pm Attendance SW and Document Management discussion (Rigsbee)
- Wed 4-5pm appeal hearing (Hawkins)

- Thurs 5-7pm ‘open office’ (802 Chair Paul Nikolich, Stds Board Chair Steve Mills, IEEE SA Past President Jim Carlo and IEEE Staff Karen Kenney)

IEEE and International Standards

- Steve Mills

IEEE Standards and International Standards

Steve Mills

July 2006 IEEE 802 Plenary

IEEE International Collaboration Overview

- **ISO/IEC JTC1**
 - 25+ years of adoption of IEEE network, operating systems, microprocessor, and software engineering standards
- **ISO**
 - There is currently an effort to develop a dual logo agreement with ISO
 - A joint project on medical devices standards is serving as a model activity
- **IEC**
 - The current Dual logo agreement facilitates rapid internationalization (Power, Energy, Design Automation)
30% of existing IEC library built on IEEE standards
- **ITU**
 - The IEEE is a Sector member of ITU-R
 - The IEEE is a Sector member of ITU-T

ISO/IEC JTC 1/IEEE Relationship

- **There is no formal agreement between ISO/IEC JTC 1 and the IEEE**
- **There is an agreement with ISO/IEC JTC 1 SC6 (8802-1)**
- **To date all standards have gone through the normal process in JTC 1**
- **The process used for IEEE 802 documents is the ISO/IEC JTC 1 Fast Track process**

The ISO/IEC JTC 1 Fast Track Process

- The Fast Track process is intended for approved and stable standards
- For several years 802 standards have been fast tracked by the UK national body through SC6
- The Fast Track balloting process currently consists of two stages; a one month contradiction period followed by a five month balloting period
- Following the close of the ballot a Ballot Resolution Meeting is scheduled to address any comments received during the ballot phase and to allow national bodies an opportunity to change their vote
- Assuming a positive outcome of the ballot and BRM, the process is completed and the document is published as an International Standard

802.11i/WAPI Update

- **The ISO/IEC JTC1 fast track ballots for J1N7903 (802.11i) and J1N7904 (WAPI) closed on 7 March 2006**
- **J1N7903 (802.11i) passed**
- **J1N7904 (WAPI) failed**
- **A comment resolution meeting was held in Prague the week of 7 - 9 June 2006**

802.11i/WAPI Status

BRM Meeting

(Excerpted from BRM Report)

- 9 NBs (China, France, Germany, Japan, Korea, Netherlands, Switzerland, United Kingdom, and U.S.A), ISO, and IEC
- The China NB requested a new agenda item to express views on issues of procedural and technical problems of the BRM. After a lengthy discussion, the NBs at the meeting showed strong support for following the existing agenda and suggested addressing the China NB request under New Business.
- The Chinese delegation and the PE for DAM 7 walked off from the meeting after claiming unfair treatment.
- Fast Track ISO/IEC 8802-11/ DAM6 (802.11i) Disposition of Comments report was accepted with the request to PE to take care of editorial comments.
- Fast Track ISO/IEC 8802-11/ DAM7 (WAPI) Disposition of Comments was made available to the delegates just before the meeting. NB delegates decided to honor the letter ballot result.

ISO/IEEE Relationship

ISO Partner Standards Development Organization Agreement

- Negotiations were put on hold mid-2005
- Development of new copyright agreements
- Identify technical areas for future collaboration (i.e., Intelligent transportation)

Pilot Program - Point-of-care medical device standards to be published:

- Nomenclature
- Domain information model
- Application profile - Base standard
- Transport profile – Cable connected
- Transport profile - Infrared

IEC/IEEE Relationship

- The Dual Logo agreement between IEC and the IEEE has been in place since 2002
- This agreement defines the process to be used for document maintenance
- To date 14 Dual Logo standards have been approved

ITU/IEEE Relationship

- The IEEE-SA is a Sector Member of the ITU-R
- The IEEE-SA has just been granted sector membership in the ITU-T
 - The IEEE-SA is currently seeking candidates for technical liaison to the ITU-T
- The ITU has indicated a strong interest in co-sponsoring workshops and conferences with IEEE

IEEE International Collaboration

The IEEE-SA is currently exploring possible Memorandums of Understanding with the following organizations

- ETSI (European Telecommunications Standards Institute)
- CCSA (China Communications Standards Association)
- ECMA International (European Computer Manufacturers Association)

IEEE China Office

IEEE China Office

- **Location – RAYCOM INFOTECH PARK (Haidian District)**
- **Will be a “representative office” with up to 3 staff reporting to the IEEE Executive Director**
- **There will be a full-time Director-level position who will be**
- **Two staff to primarily support the activities of the Computer Society and Standards Association**

The Standards Association will use this presence to encourage higher levels of Chinese participation in the global development of standards

Q&A

- Please step up to one of the microphones set up in the aisles to ask your questions

5 The meeting was adjourned at 12:13pm

Respectfully submitted,
Bob O'Hara
Recording Secretary