

**MINUTES (Unconfirmed) - IEEE 802 LMSC  
EXECUTIVE COMMITTEE MEETING, Revision 0**

Monday, November 7, 2011 – 8:00 a.m.  
All times Eastern Standard Time (EST)

Atlanta, GA

EC members present:

Paul Nikolich – Chair, IEEE 802 LAN / MAN Standards Committee  
Pat Thaler – Vice Chair, IEEE 802 LAN / MAN Standards Committee  
Mat Sherman – Vice Chair, IEEE 802 LAN / MAN Standards Committee  
James Gilb – Recording Secretary, IEEE 802 LAN / MAN Standards Committee  
Jon Rosdahl – Executive Secretary, IEEE 802 LAN / MAN Standards Committee  
Bob Grow – 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  
Mike Lynch – Chair, IEEE 802.18 – Regulatory TAG  
Steve Shellhammer – Chair, IEEE 802.19 – Wireless Coexistence Working Group  
Subir Das – Chair, IEEE 802.21 – Media Independent Handover Working Group  
Apurva Mody – Chair, IEEE 802.22 – Wireless RANs Working Group

Non-voting members present:

Geoff Thompson – Member Emeritus

EC members absent:

John Lemon – Chair (non-voting), IEEE 802.17 – Resilient Packet Ring Working Group  
Mark Klerer – Chair (non-voting), IEEE 802.20 – Mobile Broadband Wireless Access Working Group

Non-voting members absent:

Buzz Rigsbee – Meeting Planner, Member Emeritus

**v03      AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING  
Monday 8:00AM -10:30AM**

**Key:      ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II -  
Information Item**

**Special Orders**

**Category (\* = consent agenda)**

**1.00      MEETING CALLED TO ORDER**

**Nikolich**

**1 08:00 AM**

Meeting called to order at 8:00 am



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> <u>1650 Belvoir Drive</u> <u>Los Altos, CA 94022 (415) 941-6699</u> City State Zip Code Telephone	

NOV 2011  
IEEE 802  
LMSC

Opening EC Meeting  
8 AM-10:30AM

**2.00 MI APPROVE OR MODIFY AGENDA**

**Nikolich**

**4 08:01 AM**

Motion is to approve the modified agenda, v03.

Moved by Jeffree, seconded by Law

Vote is 10/0/1, agenda is approved

v03		<b>AGENDA - IEEE 802 LMSC EXECUTIVE COMMITTEE MEETING</b>			
		<b>Monday 8:00AM -10:30AM</b>			
Key:		ME - Motion, External, MI - Motion, Internal, DT- Discussion Topic, II - Information Item			
		<b>Special Orders</b>			
		<b>Category (* = consent agenda)</b>			
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	MI*	APPROVE Minutes of July opening meeting, 20110718-opening-minutes-v0.pdf	Nikolich	0	08:05 AM
3.01				0	08:05 AM
3.02	MI*	APPROVE minutes of October conference call, 2011-10-04-call-minutes-v1.pdf	Nikolich	0	08:05 AM
4.00	II	EC member affiliation updates	Nikolich	5	08:05 AM
4.01	II	IEEE Staff Introductions	Nikolich	5	08:10 AM
4.02					08:15 AM
4.03					08:15 AM
4.04					08:15 AM
					08:15 AM
		<b>LMSC items</b>			08:15 AM
5.00	II*	BoG Actions	Nikolich	0	08:15 AM
5.01	II*	Stds Board Actions (approved projects, standards, withdrawals)	Nikolich	0	08:15 AM
5.02	II*	LMSC Email Ballot Recap	Nikolich	0	08:15 AM
5.03	II	LMSC Meeting Fee Waivers	Nikolich	5	08:15 AM
5.04	II	Tutorial schedule	Nikolich	5	08:20 AM
5.05	II	List of Drafts to Sponsor Ballot	Nikolich	10	08:25 AM
5.06	II	List of Drafts to Revcom	Nikolich	10	08:35 AM
5.07	II	Notice of Study Groups under consideration/status of existing SGs	Nikolich	5	08:45 AM
5.08	II	PARS to NesCom	Nikolich	10	08:50 AM
5.09					09:00 AM
5.10	II	November 12 and 13, 2011 EC workshop agenda review	Kraemer/Rosdahl	15	09:00 AM
5.11	II	802 JTC1 ad hoc update (8802 doc, PSDO interpretation, plans for the week)	Kraemer/Myles	15	09:15 AM
5.12	II	myBallot and myProject--feedback from 802 update	Rosdahl/Thaler	5	09:30 AM
5.13	II	IEEE SA "etools" update	Rosdahl/Boyce/Labelle	5	09:35 AM
5.14	II	Meeting planner and Network Service Provider contract update	Rosdahl	5	09:40 AM
5.15	II	802 Task Force update	Nikolich	5	09:45 AM
5.16	DT	802 CD distribution	Gilb	5	09:50 AM
5.17	ME	Press release to announce 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group, IEEE_100GOptix_PR_draft_D1p3.pdf	Law	5	09:55 AM
5.18	MI	Extend existing arrangement for projectors at interims to include any interims between November 2012 and March 2012 plenaries	Heile	5	10:00 AM
5.19	II	Single copy sales of PDF status update	McCabe	5	10:05 AM
5.20	II	Consolidated editions update	McCabe	5	10:10 AM
5.21	II	Document publication priority update	McCabe/Nikolich	5	10:15 AM
5.22	II	SA MOU discussion—value? constraints? etc.	McCabe	5	10:20 AM
5.23	II	Get IEEE 802 Update	LaBelle	5	10:25 AM
5.24	II	Treasurer's report	Grow	5	10:30 AM
5.25	II	MAR2012 Balance Pool policy change	Bennet	5	10:35 AM
5.26	II	802 Overview and Architecture update	Gilb	5	10:40 AM

5.27	DT	Liaison to P1905.1	Kraemer	5	10:45 AM
5.28	II	P&P update	Sherman	5	10:50 AM
5.29	II	Update on July 2013 plenary	Heile	3	10:55 AM
5.30	II*	IEEE SA SmartGrid program update	Ash	0	10:58 AM
5.31					10:58 AM
5.32	DT	How should documents be posted for consideration by EC	Sherman	30	10:58 AM
5.33	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	11:28 AM
5.34					11:31 AM
5.35					11:31 AM
5.36	DT	ADJOURN SEC MEETING	Nikolich		10:30 AM

ME - Motion, External      MI - Motion, Internal  
DT- Discussion Topic      II - Information Item

<b>3.00 MI* APPROVE Minutes of July opening meeting, 20110718-opening-minutes-v0.pdf</b>	<b>Nikolich</b>	<b>0</b>
Approved as part of the consent agenda.		
<b>3.02 MI* APPROVE minutes of October conference call, 2011-10-04-call-minutes-v1.pdf</b>	<b>Nikolich</b>	<b>0</b>
Approved as part of the consent agenda.		
<b>4.00 II EC member affiliation updates</b>	<b>Nikolich</b>	<b>5 08:05 AM</b>
Nikolich asked for any updates to member affiliation.		
Nikolich is no longer affiliated with HP.		
<b>4.01 II IEEE Staff Introductions</b>	<b>Nikolich</b>	<b>5 08:08 AM</b>
Nikolich introduced the IEEE staff in attendance.		

# IEEE Staff Introductions

1. Michelle Turner Document Development
2. Patricia Gerdon: Technical Program Development
3. Kathryn Bennett: Technical Program Development
4. Karen McCabe: Strategic Mktng and Product Management
5. Bob Labelle: Stds Tech Dev & Solutions
6. Terry DeCourcelle: International Programs and Governance
7. Jodi Haasz: International Programs
8. Christina Boyce: Stds Solutions Services
9. Walter Pienciak: Stds Technology Solutions
10. Francesca Drago: Document Development

**5.00 II\* BoG Actions**

**Nikolich**

**0**

Approved as part of the consent agenda.



# SA BoG Update

- Items of interest to 802 community
  - ISO/SA PSDO agreement signed
  - CCSA MOU signed

**5.01 II\* Stds Board Actions (approved projects, standards, withdrawals)**

**Nikolich**

**0**

Approved as part of the consent agenda.

# SA Standards Board Actions

## Standards Actions (approvals)

**New Standards:** 802.1AEbn, 802.1BA, 802.11s

**Revised Standards:** none

**Reaffirmations:** none

**Corrigendum:** none

**Extensions:** none

**Withdrawals:** none

# SA Standards Board Actions

## **Project Actions (approvals)**

**New Projects:** P802.1AS-2011/Cor1, P802.1ASbt, P802.1AXbq, P802.1BR, P802.3bj  
P802.15.4m, P802.22a

**Modified PAR:** none

**Revisions:** none

**Reaffirmations:** none

**Corrigendum:** none

**Withdrawals:** 802.1Qbh, 802.15.4-2006/Cor1, 802.23

**Extensions:** 802, 802.1aq

**5.02 II\* LMSC Email Ballot Recap**

**Nikolich**

**0**

Nikolich reviewed the email ballot, added results for forwarding 802.1aq

# LMSC Email Ballot Recap

	<u>close date</u>	<u>topic</u>	<u>yes/no/abs/dnv</u>	<u>result</u>
1)	12SEP	802.3bj 100Gb/s pr	13/00/01/01	pass
2)	19SEP	802.11s Interworking pr	14/00/01/00	pass
3)	06OCT	Forwarding P802.1aq to SB	10/00/00/04	pass
4)	31OCT	Industry Canada input	13/00/01/01	pass

**5.03 II LMSC Meeting Fee Waivers**

**Nikolich**

**5 08:10 AM**

Nikolich reviewed the meeting fee waivers.

Motion is to approve the meeting fee waivers for previously listed IEEE staff and John Hawkins

Moved by Lynch, seconded by Grow

Vote is 14/0/0, motion passes

# Meeting Fee Waivers

- IEEE SA Staff listed earlier
- Invited Participants
  - John Hawkins, former 802 EC Treasurer
- EC Motion: Approve waiving of the registration fee for the above invited participants
  - move:
  - second:



#### **5.04 II Tutorial schedule**

**Nikolich**

**5 8:11 AM**

Nikolich reviewed the tutorial schedule.

Law indicated that there will be a CFI on Tuesday night for passive Ethernet over coax.

# Tutorial/Information Schedule

<b>Monday</b>	notes
<b>1) Broadband Extension and Monitoring</b> 6:00-7:30PM      sponsor: A. Mody	Centennial Ballroom II
<b>2) Smart Grid Status</b> 7:30-9PM      sponsor: B. Kraemer	Centennial Ballroom II
<b>3) open</b> 9-10:30PM      sponsor: open	
<b>Tuesday 6:30-8:00PM</b> 802.13 WG Call for Interest on EPON PHY for COAX	Regency Ballroom VII

**5.05 II List of Drafts to Sponsor Ballot**

**Nikolich**

**10 08:12 AM**

Nikolich reviewed the potential drafts to go to Sponsor ballot

802.1 802.1Qbg (conditional), 802.1BR, 802.1AC (conditional), 802.1AXbk (conditional)

802.3: 802.3bh Ethernet maintenance #10 (conditional)

802.11: 802.11ad (conditional)

802.15: none

802.16: none

802.19: none

802.21: none

802.22: 802.22.2 (conditional)

# Draft Standards to Sponsor Ballot

- Check with EC members
- 802.01: dot01Qbg (cond), BR, AC (cond), AXbk (cond)
- 802.03: dot03bh Ethernet Maintenance #10 (conditional)
- 802.11: dot11ad (cond)
- 802.15: none
- 802.16: none
- 802.19: none
- 802.21: none
- 802.22: dot22.2 (cond)

**5.06 II List of Drafts to Revcom**

**Nikolich**

**10 08:17 AM**

Nikolich reviewed the drafts potentially to be approved to RevCom

802.1: 802.1aq (conditional)

802.3: none

802.11: 802.11revision (conditional)

802.15: 802.15.4e (conditional), 802.15.4f, 802.15.4g (conditional), 802.15.6 (conditional)

802.16: none

802.19: none

802.21: 802.21a (conditional), 802.21b (conditional)

802.22: none

# Items for RevCom consideration

- Check with EC members
- 802.01: dot01aq (cond)
- 802.03: none
- 802.11: dot11revision (cond)
- 802.15: dot15.4e (cond), .4f, .4g (cond), 15.6 (cond)
- 802.16: none
- 802.19: none
- 802.21: dot21a (cond), dot21b (cond)
- 802.22: none

**5.07 II Notice of Study Groups under consideration/status of existing SGs**

**Nikolich**

**5 08:19 AM**

Nikolich reviewed the study groups under consideration.

802.1: none

802.3: EPON PHY for Coax (EPoC) CFI, Next Generation 100 Gb/s Ethernet interfaces for optical fiber (1<sup>st</sup> ext),

802.11: none

802.15: Peer aware communications (new) replacing PSC.

802.16: none

802.19: none

802.21: none

802.22: Smart grid and critical infrastructure monitoring, long range application

Thompson asked that this item also include PARs under development but not in a study group.

Suggestion is to change the topic to pre-PAR activity.

Nikolich asked if there were any additional pre-PAR activity to list. Jefree indicated that there was work in security for modifying 802.1X for higher speeds (> 100 Gb/s). This will likely result in PARs for March consideration. Also a discussion on preemptive transmission of higher priority frames with 802.3, Wednesday morning

# Status of pre-PAR activity (e.g., SGs)

- WG chairs to report
  - SGs?
    - 802.1- amending security to support 100Gbps+ data rates, pre-emptive transmission (joint discussion /w dot03 Wed 9AM)
    - 802.3 –EPON PHY for Coax call for interest (EPoC)
      - Next Generation 100Gb/s Ethernet Interfaces for Optical Fiber (1<sup>st</sup> ext)
      - Extended Ethernet Passive Optical Network (EPON) PMDs (1<sup>st</sup> ext)
    - 802.11–
    - 802.15 – Peer Aware Communications replacing Personal Spaces Communications (5th extension)
    - 802.16 -
    - 802.18 -
    - 802.19 -
    - 802.21 -
    - 802.22 – SMART Grid and Critical Infrastructure Monitoring, long range applications



**5.08 II PARS to NesCom**

**Nikolich**

**10 08:27 AM**

Nikolich reviewed the PARS to NesCom

802.1: none

802.3: none

802.11: none

802.15: 802.15.9 and under 48 hour rule, 802.15.4e PAR estension, 802.15.6 extension, 802.15.6 modification

802.16: 802.16.1b, 802.16p, 802.16.1a, 802.16n

802.19: none

802.21: none

802.22: 802.22b

# Draft PARs to NesCom

1. 802.15.9, Recommended Practice for transport of a key management protocol applied to IEEE 802.15 standards, PAR and 5C
2. 802.22b, Standard for enhanced broadband monitoring, PAR and 5C
3. 802.16 PAR modifications to existing amendment projects to support the split of 802.16 into separate base standards. No 5C since the scope of the projects is essentially unchanged.
  1. P802.16.1b, amendment for enhancements to support machine-to-machine applications, PAR, starts project to amend IEEE Std 802.16.1, based on existing P802.16p.
  2. 802.16p modification, amendment for enhancements to support machine-to-machine applications, PAR, continues project to amend IEEE Std 802.16.
  3. 802.16.1a, amendment for higher reliability networks, PAR, starts project to amend IEEE Std 802.16.1, based on existing P802.16n.
  4. 802.16n modification, amendment for higher reliability networks, PAR, continues project to amend IEEE Std 802.16.
- 802.15.4e and 802.15.6 extensions, 802.15.6 PAR title change (48 hour notice)

**5.10 II November 12 and 13, 2011 EC workshop agenda review**

**Kraemer/Rosdahl 15 08:30 AM**

Kraemer presented ec-11-0017-00. It is unchanged from the EC conference call.

Kraemer asked if there were any changes to the proposed agenda.

Rosdahl also suggested that individuals look at ec-11-0016-00 for logistics.

Nikolich asked about attendance.

Rosdahl said that only two EC members would not be able to attend, Das and Rigsbee.

<u>Saturday November 12</u>		Notes/Assignee
7:30 - 8:00	Breakfast	
8:00 - 8:15	Meeting start -confirmation of agenda and any meeting logistics details	Bruce/Jon/Paul
8:15 - 8:30	<b>Meeting expectations</b>	Paul
8:30 - 10:00	<b>Internationalization of 802</b>	
	1. 802 standards in ISO/IEC/JTC1, ITU-T, ITU-R	
	2. Status of WAPI and other 802 replacement projects	Bruce
	3. IEEE 802 / ISO Category C implementation plan	Bruce
10:00 -10:15	Break	
10:15 -12:30	4. Proposed disposition of existing 8802 standards	Bruce
	5. IEEE SA - Special arrangements to encourage more international involvement	
12:30 - 13:30	Lunch	
13:30 - 17:00	<b>802 operating procedures, tools, efficiency and changes in SA</b>	
	1. New myBallot sponsor balloting tools	Law/Grow
	2. Sponsor Ballot requirement change - 1/3 rule, Safety, Sponsor ballot category balance & categories	Law/Grow
	3. RevCom guidelines under development	Bruce
	4. NesCom Conventions when preparing PARs	Rosdahl
	5. 802 Succession training and EC Alternate voting	
	6. 802 Meeting fees and Get802 contributions <ul style="list-style-type: none"> <li>a. should we try to identify new operational funding methods (other than registration fees), e.g., obtain funding from a percentage of the sale of standards and derivative products/services</li> </ul>	
	7. Standardization Tools <ul style="list-style-type: none"> <li>a. Technology for meetings/ballots/voting</li> </ul>	Matthew
	8. Guidelines for Tutorial Registration",	Geoff
17:00 - 19:00	<b>Strategic Discussions - Part 1</b>	Matthew
	Issues and Opportunities in partnering with other SDOs	
	1. Competition and cooperation with other standards groups <ul style="list-style-type: none"> <li>a. Outside Projects within IEEE 802 Standards scope <ul style="list-style-type: none"> <li>▪ Entity projects</li> <li>▪ Individual projects</li> </ul> </li> </ul>	Geoff
	2. The evolution of External special interest groups, domination and other distortions to the standards process	
	802 architecture	
19:00 - 21:00	Dinner / discussion	
<u>Sunday November 13</u>		
7:30 - 8:00	Breakfast	
8:00 - 8:15	Meeting start -confirmation of agenda and any meeting logistics details	Kraemer/Rosdahl
8:15 - 10:15	<b>Strategic Discussions - Part 2</b>	Matthew
	Is it time to reorganize 802? (e.g., separate WGs into multiple WGs or combine WGs or....) Should we widen the scope of 802? Should we revise membership criteria?	
10:15 - 10:30	Break	
10:30 - 12:30	<b>IEEE as a Standards Service Provider</b>	Geoff
	How can the SA become a better 'service provider'? What specific services does 802 need? Which ones does it not need?	

	Review of action items from July 2011 Plenary a. IEEE Standards Store feedback b. IEEE-SA support (Review actions/feedback on Senior Staff support in July and Nov).	
12:30 - 13:00	Lunch	
13:00 - 15:00	<b>Wrap -up; Next steps; Action items; Plans for EC call; Plans for March plenary;</b>	Kraemer/Rosdahl

**5.11 II 802 JTC1 ad hoc update (8802 doc, PSDO interpretation, plans for the week) Kraemer/Myles 15 08:34 AM**

Kraemer indicated that the times for the JTC1 ad hoc meeting are Tuesday 1:30 pm, Wednesday 1:30 pm, Thursday 1:30 pm  
Law requested that Tuesday at 1:30 pm is the 802 wide discussion, the remaining slots will focus on 802.11 topics.

**5.12 II myBallot and myProject--feedback from 802 update Rosdahl/Thaler 5 08:41 AM**

Rosdahl suggested that we proceed to Boyce's presentation for this discussion.

**5.13 II IEEE SA "etools" update Rosdahl/Boyce/Lab 5 08:43 AM**  
**elle**

Cristina Boyce (IEEE) presented opening EC\_ETools Update\_final.pdf

# Standards Development ETools Update

IEEE-SA 802 Plenary – Nov. 2011

# 2011

- Communications Plan (1<sup>st</sup> draft)
  - Issue and Bug reporting
  - Confirmation and resolution of issues
  - Key contacts (Jon Rosdahl and Christina Boyce)
    - Meet monthly (and prior to plenary sessions) to go over eTools issues & updates
    - Prepare Issues list with EC Members
- Ticket #4/899 – Outstanding Negative Votes view
- RevCom Automation – automate submittal and RevCom Meeting
- Begin planning of new IMAT (Rick Alfvín, Adrian Stephens)
- Begin planning of sponsor ballot comments (Adrian Stephens, David Law, SA Staff liaisons)



P802.21b - Standard for Media Independent Handover Services - Amendment: Handovers with Downlink Only Technologies

**PROJECT INFORMATION**

**Working Group:** C/LM/WG802.21/802.21b  
**Sponsor:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)  
**Type of Project:** Amendment to IEEE Standard  
**Type of Document:** Standard  
**Life Cycle:** Full Use  
**Base Standard:** 802.21-2008

**SUPPORTING DOCUMENT**

**Current Attachments:**

- Outstanding MBS Comments
- 1st Recirculation Invitation Email
- Draft DD04
- 1st Recirculation Announcement Email
- 1st Recirculation Ballot summary
- [Add Document](#) [Manage Source Materials](#)

**MOST RECENT BALLOT INFORMATION**

**Ballot Status:** **OPEN**

**Return Rate**

Eligible Voters	75	100%
Ballots Returned	62	82%

**Voting Summary**

Affirmative	57	95%
Negative	3	NA
Negative w/ Comment	3	NA
Abstentions	2	3%

**Interest Categories**

Academic	7	9%
General Interest	35	47%
Government/Military	1	1%
Producer	15	20%
User	17	23%

**RESOLUTION OF COMMENTS AND NEGATIVE VOTES**

All balloting group members, observers and coordinating groups have been advised of substantive changes made with respect to the balloted draft standard (in response to comments, in resolving negative votes, or for other reasons) and have received copies of all unresolved negative votes with reasons from the negative voter and the rebuttal, and have been advised that they have an opportunity to change their votes.

**Have unresolved comments accompanying negative votes been circulated?**

Yes  No  No Unresolved Comments from Negative Voters

**Have substantive document changes been circulated?**

Yes  No  No Substantive Changes

**REGISTRATION ISSUES**

**Did the PAR indicate possible registration activity related to this project, did the IEEE Registration Authority Committee (RAC) request coordination, or is the registration of objects and/or numbers included in the proposed standard?**

Yes  No

**Is the intent to submit this standard for fast-track adoption, or was this standard jointly developed with another organization, a revision to a standard previously adopted by another organization or will this standard form the basis of, or be included in, another organization's standard?**

Yes  No

**PROJECT SUBMISSION**

**Note: Any Patents Letter of Assurance (LOAs) received by the Sponsor are to be forwarded to the [PatCom Administrator](#).**

I attest this draft standard has been developed in accordance with the policies and procedures of the Sponsor and I am authorized by those policies and procedures to make this submittal.

# 2012

The following represents tasks that are currently planned :

- myProject UI/UX strategy/planning
- Planning for enhancements to Polling in Mentor
- Implement IMAT changes as per 2011 team
- Implement Sponsor Ballot comments per 2011 team
- SA Board requested changes:
  - Remove invited expert from process
  - Remove Reaffirmation and Stabilization ballots from process
  - Modify ballot calculation (1/3 rule)
- More information is needed on the following:
  - MEC automation (tbd by SA Editorial team)
  - myProject changes to automate drafts for sale

# COMMENTS?

Contact: Christina Boyce ([c.boyce@ieee.org](mailto:c.boyce@ieee.org))

Submit Issues to : [myproject-admin@standards.ieee.org](mailto:myproject-admin@standards.ieee.org)

**5.14 II Meeting planner and Network Service Provider contract update Rosdahl 5 08:53 AM**

Rosdahl discussed the contracts. We have a 1 year meeting planner contract available, we will need to do an RFP in the next year. The RFP for the network service provider is in process.

**5.15 II 802 Task Force update Nikolich 5 08:54 AM**

Nikolich presented the Task Force agenda. Heile asked that July 2013 Plenary Session venue status be added (now item 5, Heile to lead). Thompson asked for an item to discuss the status of the IEEE Registration Authority memo. Also added discussion regarding editions vs. consolidations (McCabe to lead)

# 802 Task Force

- 802 Task Force, Wed 1-3pm, 802 Boardroom
  - Tentative agenda
    1. Single Copy Sales Channel--update (McCabe)
    2. SA Policy Changes (Bennett)
      1. Ballot pool balance
      2. Invited expert
      3. Reaffirmation and Stabilization
      4. Interpretations
    3. IEEE SA Etools update (Boyce)
    4. Network Services contract update (Rosdahl)
    5. July 2013 Plenary Session Venue status (Heile)
    6. Status of Registration Authority memo (DeCourcelle)
    7. Discussion regarding Editions vs Consolidations (McCabe)
    8. Action item review – Nikolich
    9. Adjourn

**5.16 DT 802 CD distribution**

**Gilb**

**5 08:56 AM**

Gilb mentioned that the CD is available. Distributing on USB sticks

Marks spoke against USB sticks

Rosdahl said that CD is more than sufficient for now.

Thompson said that could distribute the CDs but have a USB key at a location for people who need it.

Law liked the CDs, thinks that is adequate.

Lynch spoke in favor of having a location where a thumb drive could be used to download the CD.

Heile suggested using a DAA file.

Gilb will prepare a motion closing plenary on how to handle distribuion.

**5.17 ME Press release to announce 802.3 Next Generation 100 Gb/s Optical Ethernet Study Group, IEEE\_100GOptix\_PR\_draft\_D1p3.pdf**

**Law**

**5 09:04 AM**

Law discussed IEEE\_100GOptix\_PR\_draft\_D1p3 .pdf, distributed on the EC email reflector

Motion is to approve the press release IEEE\_100GOptix\_PR\_draft\_D1p3 .pdf with editorial clean up by Law.

Moved by Law, seconded by Grow

Vote is 13/0/0, motion passes.

**DRAFT NOT FOR PUBLICATION**  
**Draft D1.3, November x, 2011**

Contact:  
Shuang Yu, IEEE-SA Marketing Manager  
+1 732-981-3424, [shuang.yu@ieee.org](mailto:shuang.yu@ieee.org)

**IEEE EXPLORES 100 Gb/s OPTICAL ETHERNET WITH LAUNCH OF STUDY GROUP**

*Group to explore enhancements of the 802.3 specifications to enable lower-cost, higher-density optical Ethernet 100 Gb/s*

**PISCATAWAY, N.J., USA, [DATE]** – IEEE, the world's largest professional association advancing technology for humanity, today announced it has approved the initiation of a new study group to explore next generation 100 Gb/s optical solutions for Ethernet operation.

The study group will investigate a new amendment to the IEEE 802.3™ Ethernet standard with a goal to enhance the 100 Gb/s Ethernet physical layer (PHY) capabilities defined in IEEE Std 802.3ba™-2010. The study group will investigate 100Gb/s operation over a narrower and faster interface to enable the development and delivery of lower-cost, higher-density 100Gb/s solutions.

“The history of optical Ethernet standards has shown that as technology advances, the ability to reduce the number of data channels and thereby the cost, density, and power required to achieve a given speed will lead to greater market adoption. We believe that it’s time to move from a 10x10G interface to a 4x25G interface to achieve the advances the market needs to take 100G Ethernet to the next level,” says Dan Dove, Chairman of the IEEE 802.3 Next Generation 100 Gb/s Optical Ethernet study group and Senior Director of Technology at Applied Micro.

The study group will be focused on three primary areas of interest. These areas include a 4x25G multi-mode fiber interface, a 4x25G electrical interface between module and system ICs, and a possible 4x25G single-mode fiber interface focused on reducing cost for longer reaches within data centers and campus backbones.

“100G technology is preparing to become a major switch uplink and eventual server connection standard. As 10G server connections achieve broad adoption and surpass 1G server connections over the next three years, we anticipate more rapid adoption of 40G and then 100G

uplinks,” said Kimball Brown, VP Sr Datacom Analyst, Lightcounting, LLC. “To achieve the kind of market success LightCounting expects for 100G, cost must come down to a level that drives users to upgrade from 40G to 100G uplinks. Further, 100G transceivers must be able to fit into the then familiar QSFP+ form factor (at least for short and long wavelength media types) that users will be comfortable with. LightCounting is happy to see that these benefits will be enabled by the Next Generation 100G study group, making its formation essential,”

For more information about the IEEE Next Generation 100Gb/s Optical Ethernet, please visit <http://www.ieee802.org/3/100GNGOPTX/index.html>. To learn more about IEEE-SA visit us on Facebook at <http://www.facebook.com/ieeesa>, follow @ieeesa on Twitter, or connect with us on the Standards Insight Blog at <http://www.standardsinsight.com>.

#### **About the IEEE Standards Association**

The IEEE Standards Association, a globally recognized standards-setting body within the IEEE, develops consensus standards through an open process that engages industry and brings together a broad stakeholder community. IEEE standards set specifications and best practices based on current scientific and technological knowledge. The IEEE-SA has a portfolio of over 900 active standards and more than 500 standards under development. For more information visit <http://standards.ieee.org/>.

#### **About IEEE**

IEEE, the world’s largest technical professional association, is dedicated to advancing technology for the benefit of humanity. Through its highly cited publications, conferences, technology standards, and professional and educational activities, IEEE is the trusted voice on a wide variety of areas ranging from aerospace systems, computers and telecommunications to biomedical engineering, electric power and consumer electronics. Learn more at <http://www.ieee.org>.

###



**5.18 MI Extend existing arrangement for projectors at interims to include any interims between November 2012 and March 2012 plenaries** Heile 5 10:00 AM

Heile discussed the funding for projectors for interim meetings.

Motion is to extend the existing arrangement for projectors at interims to include any interim held between November 2011 plenary and March 2012 plenary.

Moved by Heile, seconded by Rosdahl

Thaler was OK with it, but thinks that it should be paid for by the interim.

Law asked what the financial impact is.

Grow said that it was about \$3-4 per attendee to subsidize interim. He is not sure if it is available only if Verilan provides services for a meeting.

Marks asked if Verilan had agreed to this extension.

Thompson said that his recollection was that the original decision was that the subsidy was for a fixed period of time. He said that he is in favor if the price for the extension is less than the price that would be under the new contract as a one time exception.

Grow said that the EC cannot extend the contract, rather we can request that the IEEE extends the contract. Paying for the projectors is a separate items.

Rick Alfvén (Verilan) said that Verilan would be willing to extend the contract and pricing for interims up to, but no including the March plenary.

Grow suggested we have two motions, one to request contract extension and the second to deal with funding.

Heile proposes that we move forward with the motion.

Rosdahl asked for the motion to be re-read. The Recording Secretary re-read the motion.

Heile called the question.

No objections to calling the question

Vote is 10/4/0, motion passes

**5.19 II Single copy sales of PDF status update** McCabe 5 9:23 AM

McCabe presented 802EC\_Nov2011\_Standards Store Update\_final.pdf

Thaler said that on Tech Street, another standards group charges only \$30. Suggested that for shorter documents, the pricing should be less as well.

McCabe said that they welcome feedback on the pricing.

Thaler said that those who have paid for a subscription to IEEE IEL have problems with search for the last year. There appears to have been not work done on it. Only one search box works.

McCabe said that there are open tickets for these issues. The environment will be changing in the March 2012 time frame and so it may be that they are holding off fixing it waiting for the new system.

Thompson said we have been told in the past to wait for the new system that will fix the problems, but the new system has new problems that don't get fixed.

# IEEE 802 Single Sale Standards Update

IEEE 802 Plenary

Opening EC

7 Nov 2011

Karen McCabe, Staff Director, Marketing & Product Development

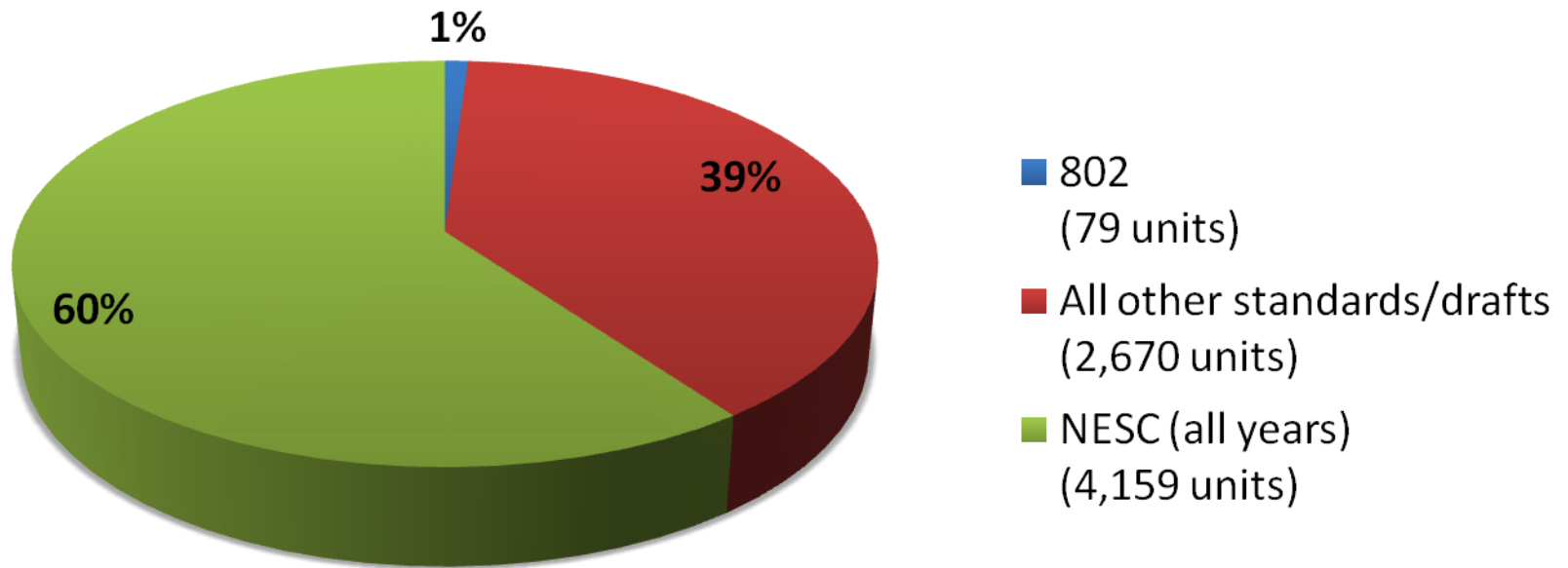
# IEEE Standards Store

[standards.ieee.org/store](http://standards.ieee.org/store)

- Dedicated individual IEEE standards product sales channel, hosted on Techstreet
- 8 April to 31 October 2011
  - Total visits: 49,876
  - Conversion rate (visit to sale): 6.66%
  - Total units sold: 5,246
  - Total IEEE 802 standards units sold: 79
  - Top selling IEEE 802 standards product:
    - IEEE 802.1AS-2011: 14 units
    - IEEE 802.22-2011: 14 units
    - IEEE 802.1Q-2005: 6 units
    - IEEE 802.11u-2011: 4 units
    - IEEE 802.3bg-2011: 5 units

# IEEE Standards Store - Single Sales

April-Sep 2011 (PDF, POD, Print)  
% Units

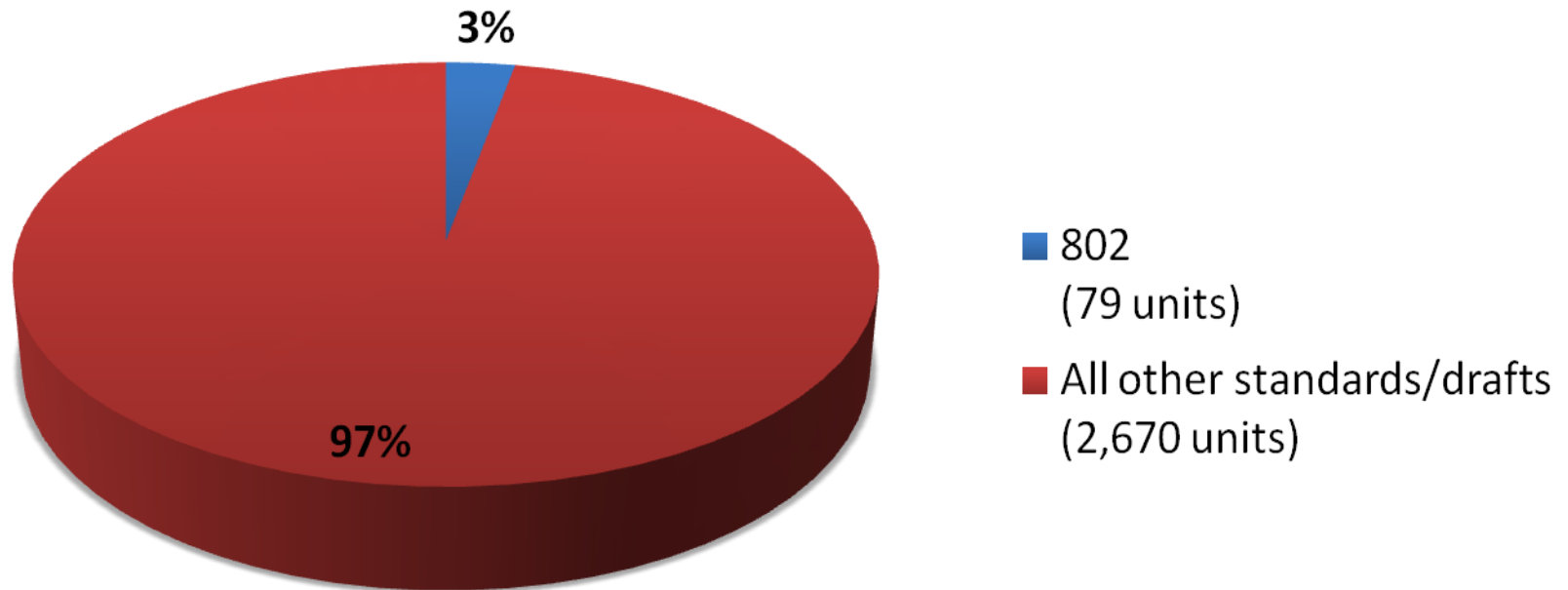


Beginning April 2011: PDF, POD and Print are sold through this channel.  
1 Aug 2011: 2012 NESC is available through this channel.

# IEEE Standards Store - Single Sales

April-Sep 2011 (PDF, POD, Print)

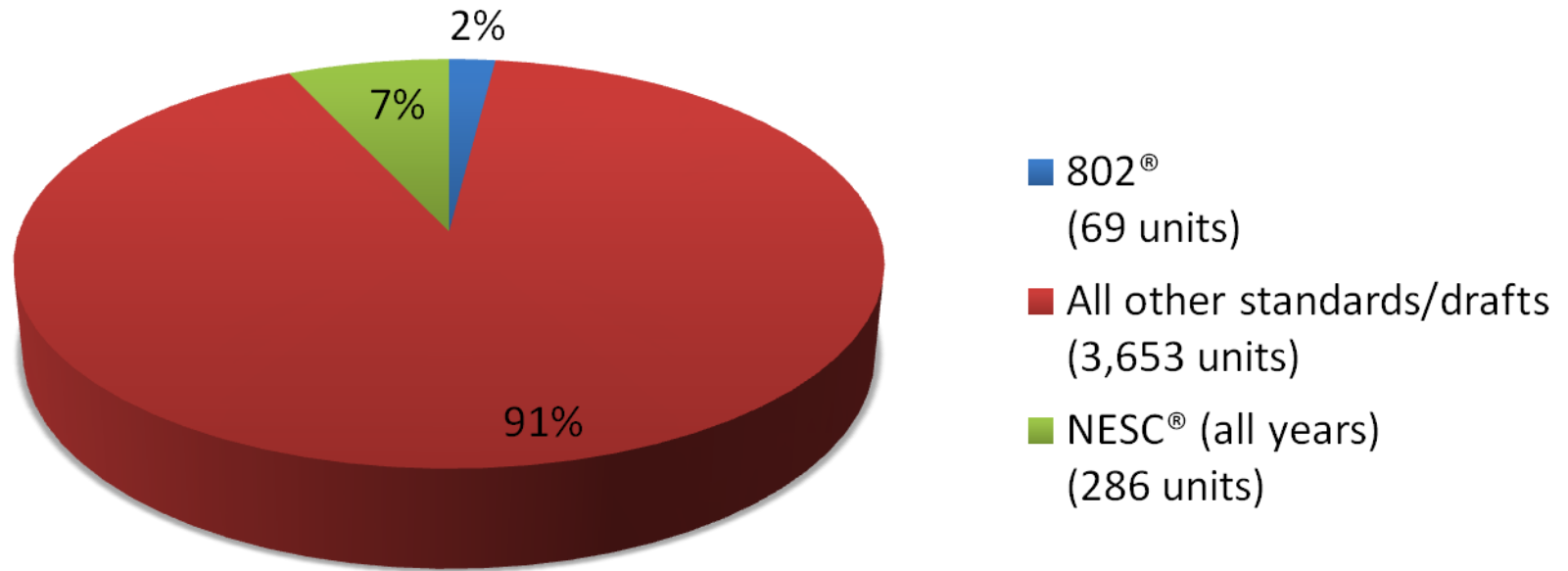
% Units – **excludes NESC**



Beginning April 2011: PDF, POD and Print are sold through this channel.  
1 Aug 2011: 2012 NESC is available through this channel.

# IEEE Shop/IEEE Xplore - Single Sales

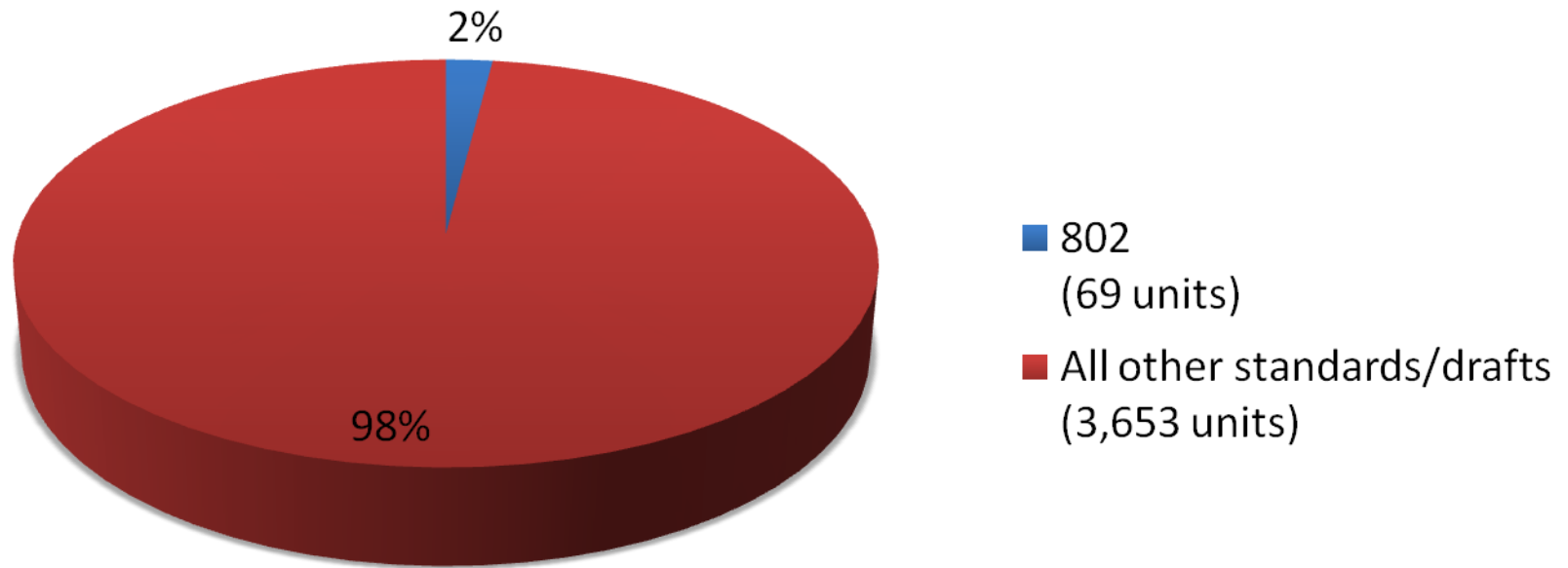
Jan-Sep 2011 (PDF, POD, Print)  
% Units



As of April 2011: POD and Print are no longer sold through this channel – PDF only.

# IEEE Shop/IEEE Xplore - Single Sales

Jan-Sep 2011 (PDF, POD, Print)  
% Units – **excludes NESC**



As of April 2011: POD and Print are no longer sold through this channel – PDF only.

# IEEE 802 Individual Standards Discount Promotion Pilot

- Reduced prices on IEEE 802 standards and drafts to \$99 US (for standards and drafts priced under \$99, we left the prices as is)
- Reduction in prices went into effect 17 October in all sales single sales channels (IEEE Store, IEEE Shop and distributors/resellers)
- Promotion of price reduction launched 17 October
  - eBlast to audience of 102,262 (past 802 standards/drafts purchasers, members of Computer Society and members of Communications Society)
  - E-commerce conversion rate 0.6% (below our eBlast average of 7%)
  - Sold 10 units (17 Oct to 31 Oct)
- Two eBlasts scheduled: Mid Nov and early Dec
- Promoted via SA Social Media Channels (Twitter, LinkedIn, Facebook)
- Promoted on SA website Home page and Find Standards page
- Promo/ad on Standards Store scheduled for mid-Nov.
- Promoted in SA e-news vehicles (StandardsWire)



# Standards Store Work Plan

Search	Issue Description	Solution	Status
Sort order	Most recent documents should appear "first"	Consolidated superseded/historic versions under active base std, sort by publication date	Complete
Standards status	Need to incorporate SA standard status terminology	Until longer term fix in place, will append status to end of document title	In progress Jan 2012 deliverable
Display of amendments, drafts, etc.	Amendments are not appearing as individual record;	Amendments consolidated under base std;	Complete
	Some drafts are appearing as amendments	All drafts will be tagged as Drafts	Complete
Keywords/terms	Partial std number searches produced incomplete results;	Search function modified;	Complete
	Searching by industry terms didn't produce expected results	Added keywords/terms to enhance searchability	Complete

# Standards Store Work Plan

Browse	Issue Description	Solution	Status
Browser incompatibility	Browse not functioning properly on IE when store launched	Fix browser loading issues for IE	Complete
Sorting buttons	Browse sorting buttons were non-functional	Fix browse button functionality. Default to std no., with ability to resort by date, title and most popular	Complete
Standards in multiple categories	802 stds limited to one category	Modify data feed so that a std has multiple assigned categories	In progress Nov deliverable
Browse tree	Request to add another category level for each 802 "dot" std	Modify browse tree structure data to include family level	In progress Dec deliverable

# Standards Store Work Plan

Product Details	Issue Description	Solution	Status
Corrigenda	Not displaying corrigenda consistently in store interface	Data relationship adjustments in stds database	Complete
Draft designations	Draft designation of "P" and version of drafts was not appearing in browse/search results	Program feed so "P" would be associated w/ draft and render, & incorporate draft version in data feed.	Complete
Truncated titles	Some IEEE std titles very long, resulting in titles being truncated	Edit titles down to 300 or less characters  Extend no. of characters in title field	Complete/Ongoing  TS cannot accommodate at this time. Still working the issue to incorporate into TS future release.

# IEEE 802 Landing Page in IEEE Standards Store

- Developing a custom “IEEE 802” Landing Page
- Listing all IEEE 802 standards and drafts available for single sale
  - Sorted in numerical/alpha order
- IEEE 802 standard designations will link to the detail page for more information and purchase
- On Standards Store homepage, an 802 banner ad will drive traffic to the 802 page
- Techstreet committed to a 24 hour turnaround on updates (changes will be to HTML pages)
- Live date: 12 December
- Welcome 802 stakeholder review—week of 28 November

**THANK YOU!**

McCabe presented Opening EC\_802EC\_Consolidation Process\_final.pdf

Thompson said that his understanding is that the amendment process is supposed produce a document with editing instructions are clear. He wanted to know if the MEC process checks the draft for

Turner (IEEE) said that it is not an item in the MEC. The instructions are fixed as part of final editing.

Adrian Stephens (Intel) said that the problem is not the editing the instruction are not clear, it is that during the process there are often technical issues that become apparent in the roll-up process. The WG is the only group that can properly review and make the changes.

Jeffree said that the proposal offers an option, it is not a requirement.

Nikolich said that this is also a topic item in the Task Force agenda on Wednesday.

Grow said that he would put an editorial note to be removed prior to publication. He asked McCabe to provide pricing for editions as part the single copy sales.

Jeffree said that publishing just the edition is not sufficient, a document that shows the changes is needed as well.

Thaler said that for 802.3, a red line document would not be sufficient, the amendments are required.

# **IEEE 802® Standards Consolidation (Roll Up) Proposal**

IEEE 802 Plenary

Opening EC

7 Nov 2011

Karen McCabe, Staff Director, Marketing & Product  
Development

# Proposal Overview

- Consolidation = Document that consists of amendments, corrigendum & errata rolled into the base standard
  - Contain no new material
  - Created for the purpose of having a draft available for a Revision PAR
- Requests to made by the Sponsor or Working Group Chair
- Request made at a minimum of four months prior to the date it is needed
- Requester needs to summarize what will be included in the consolidated draft (i.e., approved amendments, corrigendum, errata) when request is made
- Consolidation will cleaned up by editors to ensure accuracy
- The following will not be included by the editor:
  - Maintenance request
  - New material (i.e, non-sponsor balloted material, responses to interpretation request, etc.)
- Request for a consolidation submitted to Michelle Turner, Sr. Program Manager Document Development ([m.d.turner@ieee.org](mailto:m.d.turner@ieee.org)).



# Proposal Feedback

- Have to create consolidations in some WGs to manage the continuing amendment of the standard
- Four months notice may be problematic
- If all amendments & corrigenda were published as consolidations (editions) pubs staff would not have to handle the amendment/corrigenda twice (publish, then consolidate) & balloters & users of the standard would not be faced with trying to make sense of a standard
- Having the consolidation process tied up in a “rule set” tends to make 802 difficult document management problem more difficult
- Publishing amendments/corrigenda as deltas to the base standard is necessary in addition to publishing the consolidation, & preferably publishing the consolidation at the same time/soon after
- Having to consider a large number of documents when voting on drafts is a disservice to 802 balloting reviewers. Just having consolidations for revisions does not address the critical issue in 802.
- Overall, interest expressed in producing editions in addition to/or versus consolidations for WG revision of documents
- The proposal presented by the SA was to address specifically having a draft available for a Revision PAR

**THANK YOU!**

**5.21 II Document publication priority update**

**McCabe/Nikolich 5 9:50 AM**

McCabe presented Opening 802 EC\_Standards Production Schedule\_final.pdf

Thompson said that he wanted to depart from his usual mode of critic to say that with regards to publication of standards, the IEEE SA has done a great job.

McCabe said that the credit belongs to Michelle Turner and her colleagues.

Stephens echoed the praise for Turner and her colleagues. They have had very tight deadlines with a high cost for delay. They have been able to get early copies of Framemaker files.

Law said that with the 802.3 consolidation they negotiated the publication schedule, allowing some to go later to get 802.3 consolidation out of time.

Marks said that 802.16 had terrific service

The EC and audience recognized the IEEE editorial team's accomplishments with applause.

**IEEE Standards Association  
2011 IEEE 802 Standards Production Schedule**

Designation	Approval Date	Publication Date
IEEE Std 802.1AEbn™-2011	10 September 2011	14 October 2011
IEEE Std 802.1AS™-2011	10 February 2011	30 March 2011
IEEE Std 802.1BA™-2011	16 June 2011	30 September 2011
IEEE Std 802.1Q™-2011	16 May 2011	31 August 2011
IEEE Std 802.1Qbe™-2011	16 June 2011	16 September 2011
IEEE Std 802.1Qbc™-2011	16 June 2011	23 September 2011
IEEE Std 802.1Qbb™-2011	16 June 2011	30 September 2011
IEEE Std 802.1Qaz™-2011	16 June 2011	30 September 2011
IEEE Std 802.3.1™-2011	16 May 2011	5 July 2011
IEEE Std 802.3bd™-2011	16 June 2011	10 August 2011
IEEE Std 802.3bg™-2011	31 March 2011	31 March 2011
IEEE Std 802.3bf™-2011	16 May 2011	15 July 2011
IEEE Std 802.11s™-2011	10 September 2011	10 September 2011
IEEE Std 802.11u™-2011	2 February 2011	25 February 2011
IEEE Std 802.11v™-2011	2 February 2011	9 February 2011
IEEE Std 802.15.4™-2011	16 June 2011	5 September 2011
IEEE Std 802.15.7™-2011	16 June 2011	6 September 2011
IEEE Std 802.16m™-2011	31 March 2011	6 May 2011
IEEE Std 802.17™-2011	16 May 2011	20 September 2011
IEEE Std 802.22™-2011	16 June 2011	1 July 2011
<b>Due for publication (expectant approval date 7 December 2011)</b>		
IEEE P802.1Qbf™		
<b>Consolidation projects completed by the SA</b>		
P802.3/D2.0_July 2011 P802.16REV3/D.1_Aug 2011		
<b>Consolidation project in the works and expected to be completed by mid to late January</b>		
IEEE Std 802.1Q (incorporating IEEE Std 802.1Qbe™-2011, IEEE Std 802.1Qbc™-2011, IEEE Std 802.1Qbb™-2011, IEEE Std 802.1Qaz™-2011)		

**5.22 II SA MOU discussion—value? constraints? etc.**

**McCabe**

**5 9:54 AM**

Haasz presented Opening 802 EC\_MoU International\_final.pdf

Nikolich said that there is discussion time for this on Wednesday.

Thompson asked what “adoption” means.

Haasz said that it means adoption by other SDOs.

# IEEE-SA International Programs

**IEEE 802 Plenary**

**Opening EC**

**7 November 2011**

Jodi Haasz

Senior Program Manager  
International Standards Programs

# IEEE-SA International Strategy



- Increase Adoption of IEEE Standards



- Improve the Visibility of the IEEE-SA

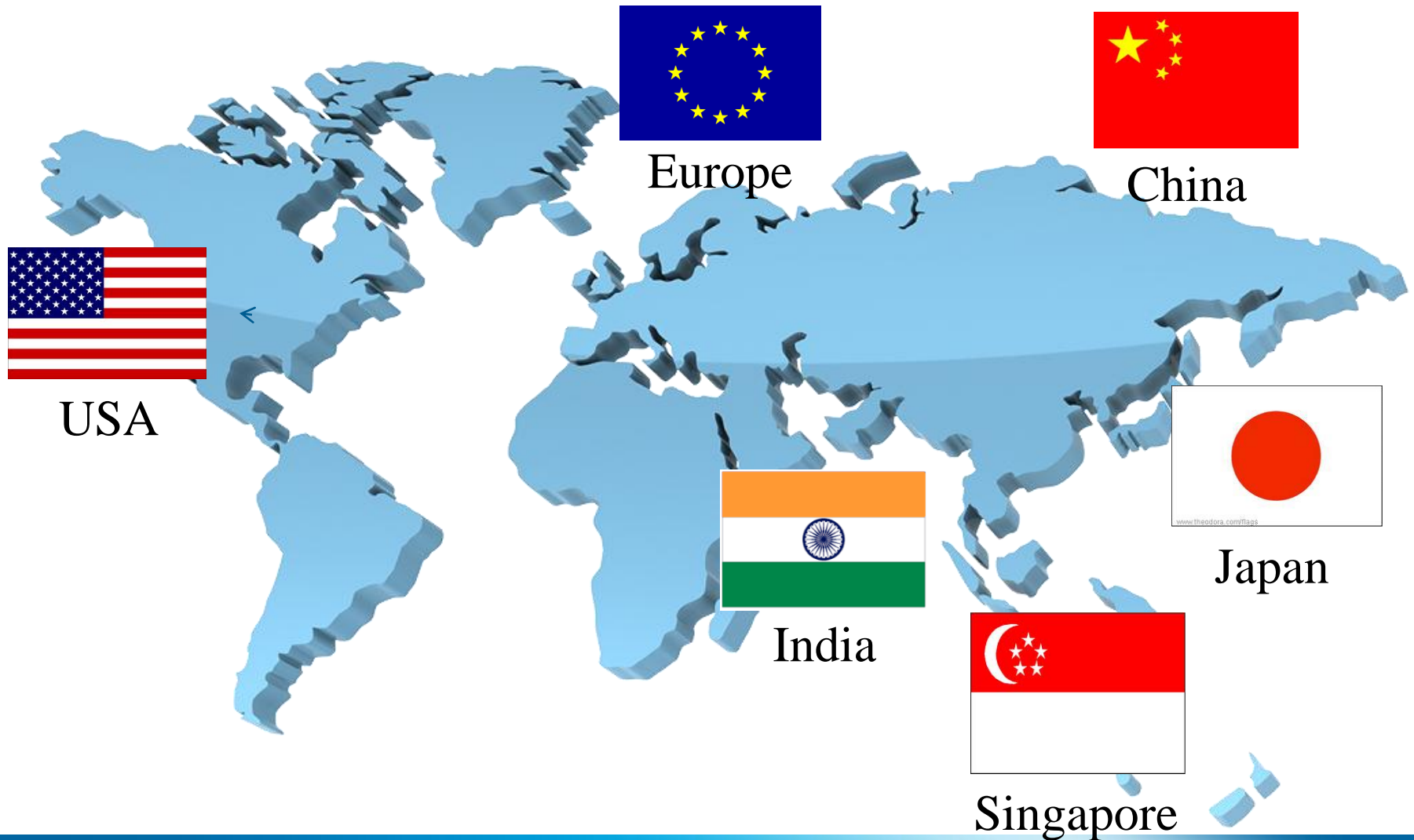


- Broaden Participation from Targeted Regions/Countries



- Increase and Diversify Global Participation in IEEE-SA Activities

# IEEE Regional Offices





# Memoranda of Understanding

Arab ICT Organization (AICTO)

Association of Radio Industries and Businesses (ARIB)

China Communications Standards Association (CCSA)

China Electronics Standardization Institute (CESI)

European Telecommunications Standards Institute  
(ETSI)

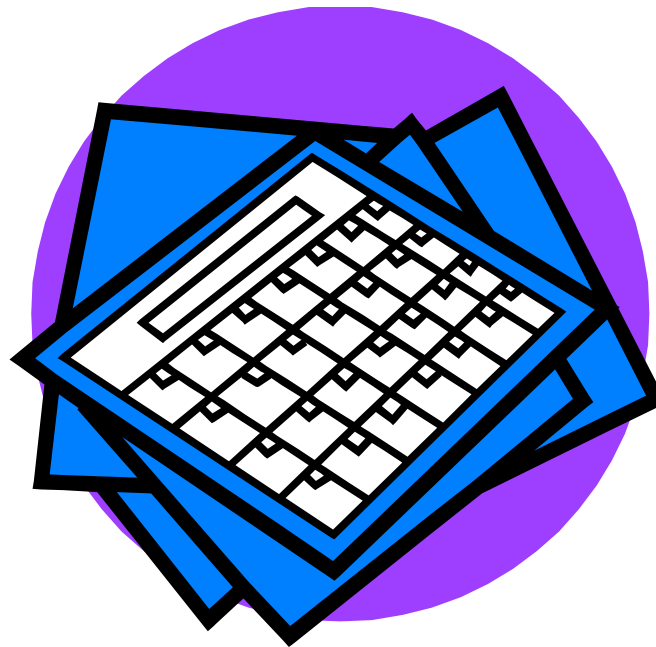
South African Bureau of Standards (SABS)

Korean Agency for Technology & Standards (KATS)

Telecommunications Technology Association (TTA)

# 802 and JTC 1/SC 6

Discussion at the Saturday workshop (am)



# IEEE-SA International Program

<http://standards.ieee.org/develop/intl/>

**For more information, contact:**

**Jodi Haasz**

Senior Program Manager, International Programs

j.haasz@ieee.org

**5.23 II Get IEEE 802 Update**

**LaBelle**

**5 9:58 AM**

LaBelle said that Get IEEE 802 report is on hold because the format of the data is wrong.

**5.24 II Treasurer's report**

**Grow**

**5 9:59 AM**

Grow presented.2011\_11 Treas Opening.pdf

He has been unable to get electronic access to the US bank account, so we will close the account and open a new account at Wells Fargo. It will provide read-only access for the book keeper, better electronic payment, and potentially better connection with concentration banking at Wachovia when the merger is complete.

The San Francisco meeting was about \$50,000 deficit due to increased food and social costs.

**IEEE Project 802**  
**Statement of Operations**  
**July 2011 Plenary Session**  
**San Francisco**  
As of November 2, 2011

	<i>Actual</i>			<i>Budget</i>			
	Fee	Net	Net Amt	%	Net	Net Amt	%
<b>Income</b>							
Net Registration Income		817	\$ 383,800	87.1%	861	\$392,400	87%
Non-registration Income							
Deadbeat collections			\$ -	0.0%		\$ -	0%
Bank interest			\$ 988	0.2%		\$ 700	0%
Comps, Commissions & Discounts			\$ 55,728	12.7%		\$ 60,000	13%
Other			\$ -	0.0%			0%
<b>Total Session Income</b>			<b>\$ 440,516</b>	<b>100.0%</b>		<b>\$ 453,100</b>	<b>100%</b>
<b>Expenses</b>							
Audio Visual			\$ 10,700	2%		\$ 20,000	4%
Bank Charges				0%		\$ 300	0%
Credit Card Discounts & Fees			\$ 20,797	4%		\$ 19,620	4%
Equipment Expenses				0%		\$ -	0%
Get IEEE 802 Contribution (Net paid attendees * \$75.00)			\$ 61,275	12%		\$ 64,575	14%
Infrastructure			\$ 361	0%		\$ 2,250	0%
Meeting Administration			\$ 70,728	14%		\$ 74,898	16%
Misc Meeting Expenses			\$ 5,310	1%		\$ 8,000	2%
Networking			\$ 88,956	18%		\$ 87,050	18%
Shipping			\$ 7,979	2%		\$ 10,000	2%
Social			\$ 100,648	20%		\$ 73,185	16%
Food & Beverage			\$ 125,292	25%		\$ 111,930	24%
<b>Total Session Expense</b>			<b>\$ 492,046</b>	<b>100%</b>		<b>\$ 471,808</b>	<b>100%</b>
<b>Net Session Surplus/(Loss)</b>			<b>\$ (51,530)</b>			<b>\$ (18,708)</b>	

**IEEE Project 802**  
**Statement of Operations**  
**November 2011 Plenary Session**  
**Atlanta**  
As of November 6, 2011

	Fee	Budget		
		Net	Net Amt	%
<b>Income</b>				
Net Registration Income		785	\$373,850	86%
Non-registration Income				
Deadbeat collections				0%
Bank interest		\$ 900		0%
Comps, Commissions & Discounts		\$ 60,000		14%
Other		\$ -		0%
<b>Total Session Income</b>		<b>\$ 434,750</b>		<b>14%</b>
<b>Expenses</b>				
Audio Visual		\$ 20,000		5%
Bank Charges		\$ 350		0%
Credit Card Discounts & Fees		\$ 18,693		5%
Equipment Expenses		\$ 14,000		3%
Get IEEE 802 Contribution (Net paid attendees * \$75.00)		\$ 58,875		14%
Infrastructure				0%
Meeting Administration		\$ 71,715		17%
Misc Meeting Expenses				0%
Networking		\$ 87,000		21%
Shipping		\$ 12,000		3%
Social		\$ 43,175		10%
Food & Beverage		\$ 86,350		21%
<b>Total Session Expense</b>		<b>\$ 412,158</b>		<b>100%</b>
<b>Net Session Surplus/(Loss)</b>		<b>\$ 22,593</b>		

Bennet presented Balance Rule Policy Change\_2012\_KMB.pptx and spoke on changes to the Balance pool policy.

Grow said that the real problem was “safety related standard” instead of “safety standard”

Thompson asked if this is for any balloting group prior to the March date?

Law said that it is his position as RevCom chair.

Grow said that the Standards Board has not made a decision on this. It could be close of invitation, start of ballot or start of invitation.

Marks said that this would have an impact on his ballots, where he often has a group over 50%. Do we have flexibility with the categories?

Jeffrey said that the last groups he formed would fail under this rule. He thinks that this is just nonsense from ANSI and creates extra bureaucratic steps. He doesn't think we should be under ANSI anyway.

Nikolich said that we will discuss this further in the Task Force meeting.

# IEEE-SA Policy Change: Balance Rule

**Kathryn Bennett**

**Office: +1 732 465 5867**

**Mobile: +1 732 850 1768**

**eMail: [k.bennett@ieee.org](mailto:k.bennett@ieee.org)**



# ANSI Essential Requirements- Balance Rule

- ANSI Essential Requirements require that interest categories for “safety-related” standards balloting, can not be greater than 1/3 of balloters
  - ANSI’s audit of IEEE-SA’s procedures for 2009 determined that IEEE SA’s current rule states that balance is achieved if no one interest classification is 50% or more
- “Safety Standard” was not defined or included

# ANSI – Balance Rule

■ IEEE was left with three choices:

1. Adopt the 1/3 rule across the board,
2. Define “safety standards” or,
3. Implement the 1/3 rule if the word “safety” was included anywhere in the document

# ANSI – Balance Rule Resolution

- After significant deliberation, the Standards Board approved a motion on 10 September 2011 :
  - Balance will be achieved by not permitting any single interest category to comprise more than 1/3 of the Sponsor balloting group
- Changes to IEEE- SASB Ops Man to be implemented **1 March 2012**

# ANSI – Balance Rule Going Forward

- A Standards Board AdHoc will continue to create education material and to address implementation issues

# Thank You!

**5.26 II 802 Overview and Architecture update**

**Gilb**

**5 10:17 AM**

Gilb discussed the status of 802 O&A. The meetings will be from 8 am to 10 am on Tuesday and Thursday.

Thompson asked if we want to submit this as an ISO document.

**5.27 DT Liaison to P1905.1**

**Kraemer**

**5 10:21 AM**

Kraemer presented 11-1357-01, slide 30-31.

Kraemer is requesting that we establish a liaison with P1900.5

Thompson said that it was possible at one point to put a coordination requirement in the PAR process to force coordination between groups.

Kraemer said that he will request a liaison

Law said that they are entity based and if we select a person who is not an entity they

**Wednesday Agenda Item 4.4****P1905.1 Convergent Digital Home Network Working Group****PAR**

**5.2 Scope:** The standard defines an abstraction layer for multiple home networking technologies. The abstraction layer provides a common data and control Service Access Point to the heterogeneous home networking technologies described in the following specifications: IEEE P1901, IEEE 802.11, IEEE 802.3 and MoCA 1.1. The standard is extendable to work with other home networking technologies.

The abstraction layer supports dynamic interface selection for transmission of packets arriving from any interface (upper protocol layers or underlying network technologies). End-to-end Quality of Service (QoS) is supported. Also specified are procedures, protocols and guidelines to provide a simplified user experience to add devices to the network, to set up encryption keys, to extend the network coverage, and to provide network management features to address issues related to neighbor discovery, topology discovery, path selection, QoS negotiation, and network control and management.

**Wednesday Agenda Item 4.4**

**P1905.1 PAR**

**5.3 Is the completion of this standard dependent upon the completion of another standard:** No

**5.4 Purpose:** The abstraction layer common interface allows applications and upper layer protocols to be agnostic to the underlying home networking technologies. The purpose of the standard is to facilitate the integration of P1901 with other home networking technologies.

Additionally the purpose of the standard is to define an abstraction layer that allows: Common Network Setup among heterogeneous network technologies defined in the PAR and provide same user experience in the process of adding a device to the network and the same user experience while setting an encryption key; Intelligent network interface and path selection for delivery of packets that provides Improved coverage performance, Improved data rate on poorest link, Improved network capacity, Improved network reliability and QoS, support for end-to-end Quality of Service (QoS) for different traffic classes; Seamless / transparent path switching; Real time mapping of connection links and paths for each traffic class / stream; Green - energy management.



**5.28 II P&P update**

**Sherman**

**5 10:25 AM**

Sherman said that there are not issues with the P&P, minutes and slides are posted

**5.29 II Update on July 2013 plenary**

**Heile**

**3 10:26 AM**

Heile said that this meeting was a target to approve the Geneva meeting. Hotel room rates are starting to hit \$350-\$400 a night. Also there is a question if we can charge a meeting fee due to ITU rules. They are also looking at Nanjing as a possibility. He has commitment for sponsorship to cover meeting rooms, projectors, plug strips, etc. He hopes to have a suggestion for the meeting location.

Jeffrey said that he just had a meeting in Nanjing and it was very inexpensive.

Heile said that Rigsbee is 5 hours behind us. Suggestion is for 5 pm Tuesday.

**5.30 II\* IEEE SA SmartGrid program update**

**Ash**

**0**

Not presented as it is on the consent agenda. Document Opening 802 EC\_SASG Update\_final.pdf was posted to the web site in advance of the meeting.

# IEEE-SA Smart Grid

25 October 2011



# IEEE-SA Smart Grid Status

## ■ Pre-standards activities

- IEEE Smart Grid Visions for Communication, Power, IT, and Vehicular Technologies have all held their kickoff meeting.
  - Communications is in their second review of submitted draft text
- Control Systems will hold their kickoff meeting 21 November
- Long term visions of what the smart grid in each technology space will look like 20 to 30 years out.
- SG Vision Projects are chartered with creation of forward looking use cases, applications scenarios for SG, and corresponding enabling technologies for SG of the future snap shots of years 2015, 2020, 2030, and beyond.
- These are targeted to produce publishable products (long term vision, reference architecture model(s), and a technology roadmap)
- 4 research group
  - Wireless vehicle charging – 10 November Melbourne
  - High voltage solid state transformers – Held its first meeting 21 September
  - Vehicles that don't crash – planning startup stages
  - Nano and molecular communications - planning startup stages

# IEEE-SA Smart Grid Status

## Standards Acceleration

IEEE SG Project list <http://smartgrid.ieee.org/standards/ieee-proposed-standards-related-to-smart-grid>

- 11 out of 11 standards targeted for completion in 2011 are approved
  - expecting 5 more on the December Revcom agenda

## Post-standards activities

- MOUs being explored
  - testing on synchrophasors
  - software for metering
  - communications networking devices for power systems.

# IEEE-SA Smart Grid Status

## International marketing and PR efforts

- IEEE-SA news being picked up in hundreds of news channels
  - Media Round tables in Japan, Korea, China
  - Presented at:
    - KEPIC Week (Korea), SGWF (China), SmartGrid Comm (Brussels), SmartCity Week 2011 (Japan)
    - Press Interviews (102), Press Events (7), Press Events Attendees (93), Media Coverage (unique)(389), Bylined Articles (81), Columns / Blogs (5), Analyst Briefings (10), Press Releases (26), Video Interviews(10)
  
- **Form strategic partnerships; build collaboration and cooperation**
  - MOUs signed
    - KATS
    - KSAE focus on Electric Vehicles
  - IEC
    - PAS 63547 (1547) Passed



# IEEE and IEEE-SA

- IEEE smart grid web portal – Provide SA related content
  - Standards is second in most active hits
  - Standards linked to the interactive smart grid conceptual model
- IEEE Smart Grid LinkedIn – Posting standards related news information
- IEEE Smart Grid Steering Committee meeting – Participate on bi-weekly teleconference
- IEEE SG Newsletter - Contributed articles
- TA technology life cycle and the SA standards life cycle harmonization
- IEEE Conferences – Provide speakers and standards related information where appropriate
- IEEE Public Visibility – Participate by providing information relating to standards

# IEEE Involvement in Priority Action Plans (PAP)

## Smart Grid Interoperability Panel

Priority Action Plan	IEEE Involvement
2 – Wireless Communications for the Smart Grid	IEEE 802
5 – Standard Meter Data Profiles	IEEE SCC31
6 – Common Semantic Model for Meter Data Tables	IEEE SCC31
7 – Electric Storage Interconnection	IEEE 1547 Series / IEEE 1679 / IEEE 2030.2 / IEEE 2030.3
12 – Mapping IEEE 1815 to IEC 61850 Objects	IEEE 1815/ IEEEP1815.1
13 – Harmonization of IEEE C37.118 with IEC 61850 and Precision Time Synchronization	IEEE C37.118
14 – Transmission and Distribution Power Systems Model Mapping	IEEE C37.237 / IEEE C37.329
15 – Harmonize Power Line Carrier Standards for Appliance Communications in the Home	IEEE 1901/ IEEE1901.2

**5.32 DT How should documents be posted for consideration by EC**

**Sherman**

**30**

Item skipped due to lack of time.

**5.33 II EC meeting schedule (rules, SA, etc.)**

**Nikolich**

**3 10:30AM**

Nikolich reviewed the EC meeting schedule.

Thompson asked for the Wednesday morning 802.1/802.3 meeting to be there. 9-10:30 am



# EC meetings for the week

(in Chicago E Exhibit Level except otherwise noted)

- Tuesday 8-10am 802 Architecture
- Tuesday 11am-1pm open
- Tuesday 1:30-3:30pm JTC1 ad hoc (joint with 802.11 ad hoc in Edgewood Conf Cntr Lvl)
- Tuesday 3-5pm open
- Tuesday 5-6pm July 2013 Plenary Session Venue
  
- Wed 9-10:30 Joint 802.1/802.3 discussion on Pre-emption (Regency V)
  
- Wed 9-10am Treasurer items; Grow, Rosdahl, Rigsbee, Nikolich
- Wed 10-11 subcontractor contract discussions, Grow, Rosdahl, Rigsbee
- Wed 11-1pm open
- Wed 1:00-3pm IEEE 802 Task Force
- Wed 3:00-3:30pm Consolidation vs Edition discussion
- Wed 3:30-5pm SA's International activities (e.g. MOUs, etc.) and impact on 802
  
- Thursday 8am-10am 802 Architecture
- Thursday 10am-6pm open
  
- Friday 10am-11am open

**5.36 DT ADJOURN SEC MEETING**

**Nikolich**

**10:33 AM**

Meeting adjourned at 10:33 am.

Respectfully submitted

James Gilb

IEEE 802 LMSC Recording Secretary