

**MINUTES (Unconfirmed) - IEEE 802 LMSC  
EXECUTIVE COMMITTEE MEETING, Revision 1**

Monday, March 14, 2011 – 8:00 a.m.  
All times Singapore Standard Time (SST)

Singapore, Singapore

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  
John Lemon – Chair, IEEE 802.17 – Resilient Packet Ring Working Group  
Mike Lynch – Chair, IEEE 802.18 – Regulatory TAG  
Steve Shellhammer – Chair, IEEE 802.19 – Wireless Coexistence Working Group  
Subir Das – Chair, IEEE 802.21 – Media Independent Handover Working Group  
Apurva Mody – Chair, IEEE 802.22 – Wireless RANs Working Group  
Geoff Thompson – Chair, IEEE 802.23 Emergency Services Working Group

Non-voting members present:

Buzz Rigsbee – Meeting Planner, Member Emeritus

EC members absent:

Mark Klerer – Chair (non-voting), IEEE 802.20 – Mobile Broadband Wireless Access Working Group

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	

Form SF 1 (4-1979)

MAR 2011  
IEEE 802  
LMSC

Opening EC Meeting  
8 AM-10:30AM

Nikolich stated that the current version of the agenda is revision 2,  
Changes to the agenda are noted in revision 3, included below.

Add 5.09 1900.7 discussion, Helie, 5 minutes

Add 5.10 Smart Grid, Kraemer, 5 minutes

Add 5.24 Volunteers for newcomer orientation, Thaler, 5 minutes

Motion is to approve the agenda

Moved by Marks, seconded by Law

Votes is 15/0/0, agenda is approved.

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
2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	4	08:01 AM
3.00	MI*	APPROVE/MODIFY Minutes of November opening meeting, 20101108-opening-minutes-v0.pdf	Nikolich	0	08:05 AM
3.01	MI*	APPROVE/MODIFY minutes of November closing meeting, 20101112-closing-minutes-v0.pdf	Nikolich	0	08:05 AM
3.02	MI*	APPROVE/MODIFY minutes of February conference call, 2011-02-01-call-minutes-v0.pdf	Nikolich	0	08:05 AM
4.00	II	EC member affiliation updates	Nikolich	2	08:05 AM
4.01	II	IEEE Staff Introductions	Nikolich	2	08:07 AM
4.02					08:09 AM
4.03					08:09 AM
4.04					08:09 AM
					08:09 AM
					08:09 AM
					08:09 AM
					08:09 AM
					08:09 AM
5.00	II	BoG Actions	Nikolich	3	08:09 AM
5.01	II*	Stds Board Actions (approved projects, standards, withdrawals)	Nikolich	0	08:12 AM
5.02	II*	LMSC Email Ballot Recap	Nikolich	0	08:12 AM
5.03	II	LMSC Meeting Fee Waivers	Nikolich	3	08:12 AM
5.04	II	Tutorial schedule	Nikolich	3	08:15 AM
5.05	II	List of Drafts to Sponsor Ballot	Nikolich	3	08:18 AM
5.06	II	List of Drafts to Revcom	Nikolich	3	08:21 AM
5.07	II	Notice of Study Groups under consideration/status of existing SGs	Nikolich	3	08:24 AM
5.08	II	802 Task Force update	Nikolich	3	08:27 AM
5.09	II	Discussion of 1900.7	Heile	5	08:30 AM
5.10	II	Smart Grid discussion	Kraemer	5	08:35 AM
5.11					08:40 AM
5.12	II	2011 EC Workshop plans	Nikolich/ Rigsbee	10	08:40 AM
5.13	II	PARS to NesCom	Nikolich	10	08:50 AM
5.14					09:00 AM
5.15					09:00 AM
5.16	II	Single copy sales of PDF status update	Gerdon	5	09:00 AM
5.17	II	Get IEEE 802 Update	Gerdon	5	09:05 AM
5.18	II	Treasurer's report	Grow	5	09:10 AM
5.19	II	802 representation at June 2011 ISO JTC1 SC6 meeting	Kraemer	5	09:15 AM
5.20	II	802 Overview and Architecture update	Gilb	5	09:20 AM
5.21	II	P&P update	Sherman	10	09:25 AM
5.22	II	JTC1/SC6 802 ad-hoc meeting (co-located with 802.11 mtg) 8-10AM Wed	Nikolich/ Kraemer	5	09:35 AM
5.23	II	March 2012 non-North American venue update	Rigsbee/ Heile	15	09:40 AM
5.24	II	Volunteers for newcomer training	Thaler	5	09:55 AM
5.25					10:00 AM
5.26	ME	802.16m forward to RevCom	Marks	5	10:00 AM

5.27				10:05 AM
5.28				10:05 AM
5.29				10:05 AM
5.30				10:05 AM
5.31				10:05 AM
5.32				10:05 AM
5.33	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3 10:05 AM
5.34				10:08 AM
5.35				10:08 AM
5.36	DT	ADJOURN SEC MEETING	Nikolich	10:30 AM

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

3.00	MI*	APPROVE/MODIFY Minutes of November opening meeting, 20101108-opening-minutes-v0.pdf	Nikolich	0
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Approved as part of the consent agenda.

3.01	MI*	APPROVE/MODIFY minutes of November closing meeting, 20101112-closing-minutes-v0.pdf	Nikolich	0
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Approved as part of the consent agenda.

3.02	MI*	APPROVE/MODIFY minutes of February conference call, 2011-02-01-call-minutes-v0.pdf	Nikolich	0
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Approved as part of the consent agenda.

4.00	II	EC member affiliation updates	Nikolich	2	08:08 AM
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Nikolich has added Silver Spring Networks along with self, Samsung and Intel.

Gilb is now affiliated with Tensorcom

Thompson is now additionally affiliated with Nexans

Marks asked if affiliation is only announced after it changes.

Nikolich said yes.

4.01	II	IEEE Staff Introductions	Nikolich	2	08:11 AM
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Nikolich introduced the IEEE staff (dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 3).

He had to change Kathryn Cush to Kathryn Bennett as he made a mistake with her name.

Nikolich introduced Patricia Gerdon, who is our new liasion. Tricia said a few words

# IEEE Staff Introductions

1. Michelle Turner      Sr. Program Manager, Document Development
2. Patricia Gerdon:      Manager, Technical Program Development
3. Bob Labelle:      Director, Standard Technology Solutions
4. Fanny Su      Region 10 IEEE staff lead
5. Terry DeCourcelle:      absent, canceled
6. Kathryn Bennett:      absent, ill

Nikolich discussed the results of the December BoG meeting, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 4.

Law stated that TechStreet is doing a branded website that will look like an IEEE web site.

Nikolich stated that we would discuss single copy sales later in the meeting.



# SA BoG Update

- Items of interest to 802 community
  - Single copy sales channel subcontract for IEEE Portal with Tech Street
    - Motion to reduce getIEEE 802 ‘wait time’ to zero postponed
    -
  - ISO/SA agreement still under negotiation

Distributed via email, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slides 5-6

# SA Standards Board Actions

## **Standards Actions (approvals)**

**New Standards:** (Jan)802.1As, 802.11u , 802.11v, (Dec)802.20a

**Revised Standards:** none

**Reaffirmations:** 802.15-2005 WPAN

**Corrigendum:** none

**Extensions:** none

**Withdrawals:** none

# SA Standards Board Actions

## **Project Actions (approvals)**

**New Projects:** (Jan)802.1AEbn – 12/2015, (Dec) 802.11ai – 12/2014, 802.15.4j – 12/2014, 802.15.4k- 12/2014

**Modified PAR:** (Jan)802.15.4 – Dec 2014, 802.15.4e – 12/2011, 802.15.4f – 12/2012, 802.15.4g – 12/2012

**Revisions:** (Jan)802.3 – 12/2015

**Reaffirmations:** none

**Corrigendum:** none

**Withdrawals:** 802.1H-1995, 802.2-1989,

**Extensions:** (Dec)802.16m – 12/2011, (Dec)802.22 – 12/2012, (Dec)802.22.2 – 12/2012

Distributed via email, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 7

# LMSC Email Ballot Recap

	<u>open date</u>	<u>topic</u>	<u>yes/no/abs/dnv</u>	<u>result</u>
1)	19NOV	ITU-R communication	13/00/00/04	pass
2)	25NOV	UK Ofcom submission	12/00/01/04	pass
3)	22DEC	802/SA SLA		abandoned
4)	28JAN	withdraw ISO/IEC 8802.3-2000	15/00/00/02	pass
5)	03FEB	no charge MAR11 tutorials	17/00/00/00	pass
6)	22FEB	TVWS letter to India	16/00/00/01	pass
7)	02MAR	hibernate 802.20 WG	17/00/00/00	pass
8)	01FEB	EC interim teleconference meeting decisions		
	1)	No votes held		

Nikolich noted that we hibernated 802.20.

Thompson asked if we agreed that guest attendance

Gilb asked if Klerer is still a member.

Thompson said that he is a non-voting member if he meets the attendance requirements.

The attendance requirements are in the rules.

Nikolich presented the meeting fee waivers, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 8.

# Meeting Fee Waivers

- The following individuals have had their registration fees waived for this plenary session by the LMSC chair.
  - IEEE SA Staff listed earlier
  - Invited Participants
    - Yasuhiko WACHI ARIB delegate to ½ day WMAN-Adv Transposition mtg
    - Up to 10 delegates from IDA and I2R
  - Guest Attendance—no charge for
    - Tutorials, Workshop, Welcome meetings (Mon AM, Wed PM)



Nikolich presented the tutorial schedule, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 9

# Tutorial/Information Schedule

<b>Monday</b>	
<b>1) Personal Space Communication</b> 6:00-7:30PM      sponsor: B Heile	
<b>2) Mesh Networking</b> 7:30-9PM      sponsor: B Kraemer	
<b>3) IMT Advanced</b> 9-10:30PM      sponsor: R Marks	

Nikolich presented dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 10.

802.1: 802.1BAe, 802.1Qbf, 802.1AEbn

802.3: none

802.11: none

802.15: 802.15.4f

802.16: none

802.17: none

802.19: none

802.21: none

802.22: none

802.23: none

# Draft Standards to Sponsor Ballot

- Check with EC members
- 802.01: BA, Qbf, AEbn
- 802.03: none
- 802.11: none
- 802.15: 15.4f
- 802.16: none
- 802.17: none
- 802.19: none
- 802.21: none
- 802.22: none
- 802.23: none

Nikolich presented dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 11.

802.1: 802.1Q-REV, 802.1Qbb, 802.1Qaz, 802.3bd, 802.1Qbc, 802.1Qbe

802.3: 802.3bg (unconditional), 802.3.1(unconditional), 802.3bf Time Synchronization (conditional)

802.11: none

802.15: 802.15.4 (conditional), 802.15.7 (conditional)

802.16: 802.16m (on Monday agenda).

802.17: 802.17-REV

802.19: none

802.21: none

802.22: 802.22 (conditional)

802.23: none

# Items for RevCom consideration

- Check with EC members
- 802.01: Qrev, Qbb, Qbc, Qbe, Qaz, dot3bd
- 802.03: P802.3bg 40Gb/s Ethernet Single-mode Fibre PMD, 802.3.1 MIBs, dot3bf Time Sync (cond)
- 802.11: none
- 802.15: 15.4, 15.7 (both cond)
- 802.16: dot16m
- 802.17: dot17-rev-2011
- 802.19: none
- 802.21: none
- 802.22: dot22 (cond)
- 802.23: none

Nikolich presented PARs due to timeout in December 2011, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 12.

Kraemer said that 802.11s PAR is due to expire December 2011.

# PARs due to time out DEC11

- P802.16m—extension presubmitted
- P802.22 and P802.22.2—extensions presubmitted
- P802.11mb—allow to expire
- P802.11s
- Others?



Nikolich presented standards due for 5 year maintenance, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 13.

Jeffrey stated that 802.1AE-2006 MAC security is waiting for an amendment to complete before they can begin a revision of the base standard to roll in the amendment.

Gerdon said that if the invitation for reaffirmation is started before October 17, 2011, then the standard will not be removed.

Law indicated that an extension would need to be requested.

Marks said that 802.16/coformance04 will also timeout. They have not decided if they are going to go for reaffirmation.

Nikolich noted that Grow arrived at 8:35 am (late), but before the Treasurer's report.

# STDs due for 5 yr maintenance by DEC11

- 802.1AE-2006 MAC Security (complete amendment, then roll base+amend for reaffirmation) start before Oct 17 2011
- 802.15.4-2006 MAC and PHY for Low Rate Wireless Personal Area Networks (covered by 2011 revision project)
- 802.16/conformance04

Nikolich presented the study groups under consideration, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 14.

802.1: none

802.3: 100 Gb/s Backplane and copper SG (1<sup>st</sup> extension)

802.11: none

802.15: Personal spaces communications (3<sup>rd</sup> extension), TV whitespace (1<sup>st</sup> extension)

802.16: none

802.17: none

802.18: none

802.19: none

802.21: none

802.22: none

802.23: none

# Status of Study Groups

- WG chairs to report
  - SGs?
    - 802.1- none
    - 802.3 – 100Gb/s Backplane and Copper Cable (1<sup>st</sup> ext)
    - 802.11– none
    - 802.15 – Personal Spaces Communications (4th extension), TVWS 15.4 (1<sup>st</sup> ext)
    - 802.16 - none
    - 802.18 - none
    - 802.19 - none
    - 802.21 - none
    - 802.22 – none
    - 802.23 - none

Nikolich presented the update on the 802 Task Force, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 15.

# IEEE-SA/802 Task Force

- Thurs 8-10AM
- Tentative Agenda
  1. Single Copy Sales Channel--update (McCabe)
  2. JTC1/SC6 update regarding potential 802 items
  3. GetIEEE 802 budget (Grow)
  4. Status of 'fast publishing' trial (Turner)
  5. Discuss preparation of an 802 position on 1900.7 (Heile)
  6. ITU-T IEEE external representative (Grow)
  7. Action item review – Nikolich
  8. Adjourn

Heile indicated that the PAR for 1900.7 seemed a little broad and asked for time on the 802 Task Force agenda to discuss if there should be and 802 position for NesCom.

Nikolich added an item 5 to the agenda for this discussion.

Mody said that they invited 1900.7 to the interim, but still thinks that the scope is too broad and they have some issues with it.

Kraemer said that 802.11 discussed this with the chair of the project. P1900 is meeting next week in Singapore. 802.11 will be addressing this as well.

Nikolich asked Kraemer and Mody to coordinate to see if they could have a joint meeting.

Shellhammer said that 802.19 will discuss this on Tuesday, AM2.

Marks said that 802.16 will discuss this on Tuesday morning.

Nikolich suggested using the 802.19, Tuesday 11 am to 12:30 pm for joint discussion.

Grow presented "SASG Overview slides.pptx"

Nikolich said that the slides have been sent to the reflector.

# IEEE Standards Association and Smart Grid

*Alex Gelman,  
TAB Representative on IEEE-SA Standards Board  
Vice Chair, IEEE Communications Society Standards Board*

*Bill Ash  
Strategic Program Manager, IEEE-SA*



## *IEEE-SA Strategy*

*To create a complete IEEE ecosystem for Smart Grid Innovation, Intellectual Property development, and standardization.*

*Position the IEEE-SA as a global leader in Smart Grid standardization for the full standards lifecycle*

# *IEEE Standards*

## **Support full life cycle of standards**

- Develop pre-, accelerated, and post- standards activities
  - ❖ Pre-standards activities
    - Engages in the development of Smart Grid technologies in the earliest stages of conceptual conversations and pre-competitive research
    - Enabling ongoing R&D to incubate tomorrow's standards (SG vision projects and research groups)
    - Identify early discovery of standardization opportunities
  - ❖ Standards Acceleration
    - Implement support services (staff resources and electronic tools) to facilitate the acceleration of standards development, approval, and publication
  - ❖ Post-standards activities
    - Engage pre-standardization and standardization activities to identify opportunities to be pursued in post-standardization
    - Enable SG interoperability via support and/or creation of industry conformity and interop initiatives and activities

## **International marketing and PR efforts**

- In country efforts in China, India, Japan, Korea, Germany, as well as in No. America

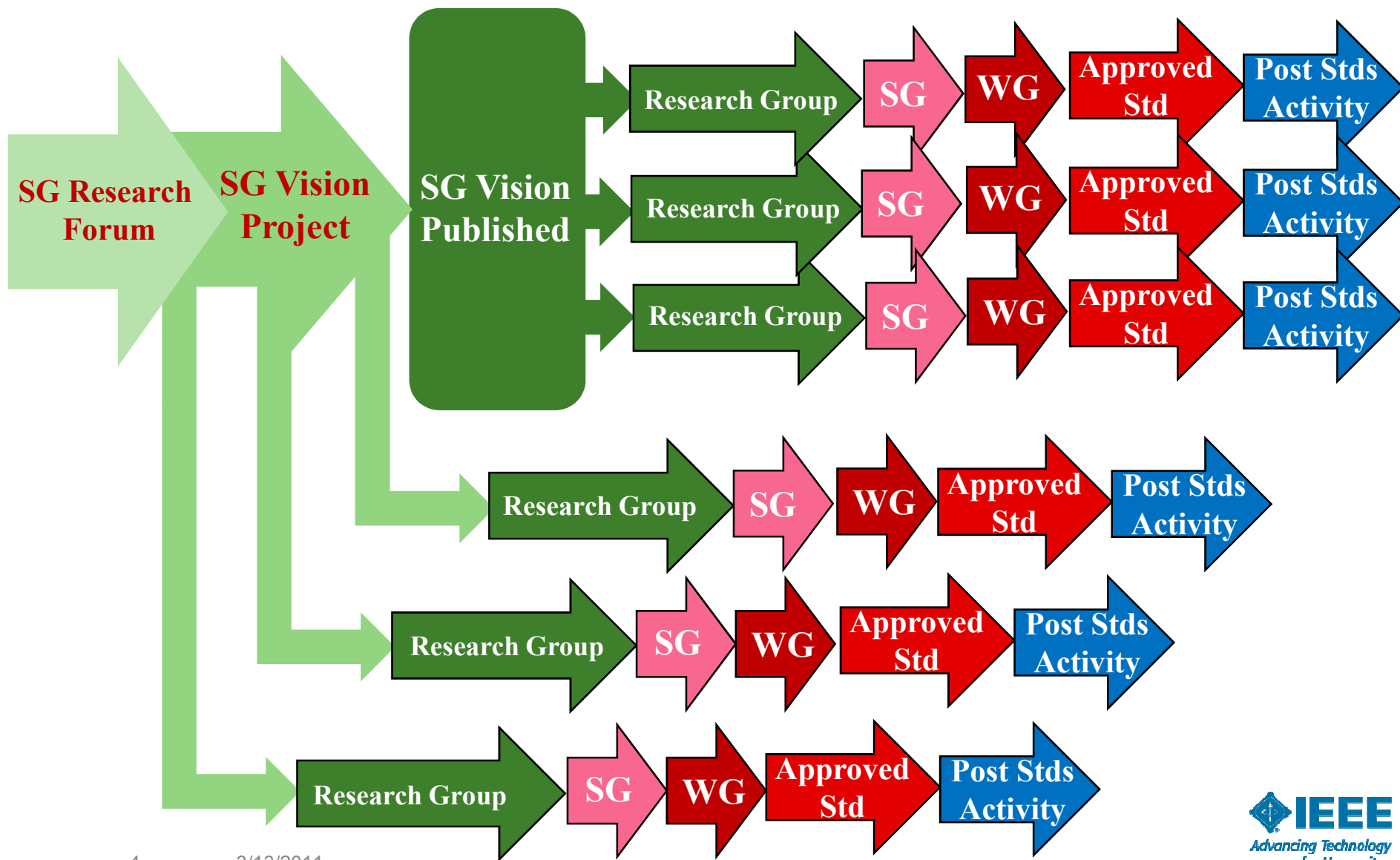
## **Market implementation activities**

- Conformity assessment; Branding; etc.

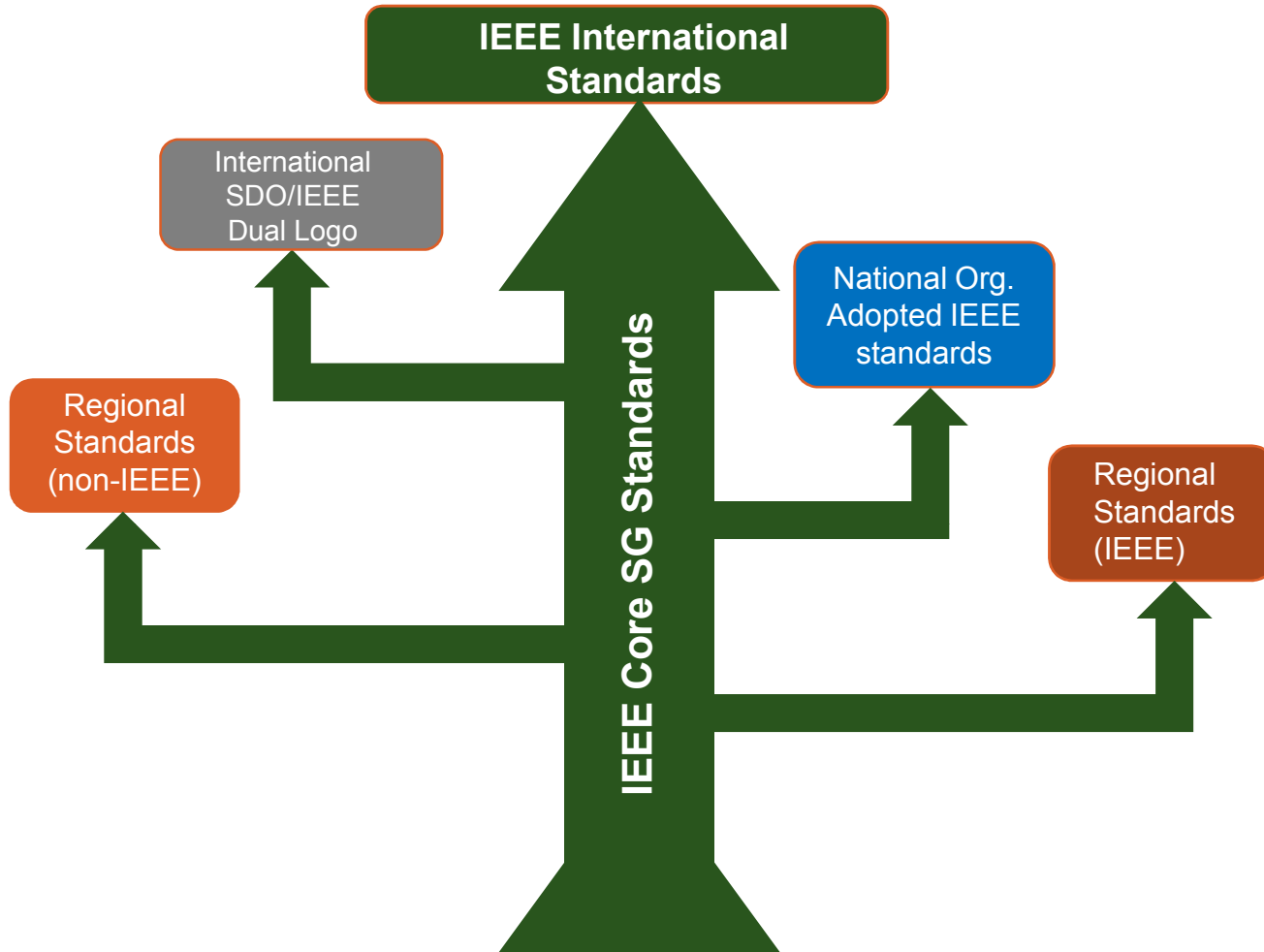
## **Form strategic partnerships; build collaboration and cooperation:**

- International and regional SDOs, Industry forums, Gov.

# Summary of the Approach



# IEEE-SA Position in Standards



# Thank You

- ▣ Questions?

Bill Ash  
Strategic Program Manager  
W.ash@ieee.org

Rigsbee discussed various options, either Atlanta or San Francisco. He feels that Atlanta will be the best option.

Nikolich said that July would be too soon. He asked Thompson and Gilb to take the lead.

Nikolich held a straw poll

After July – 1

After November – 2

All not interested in holding one – 3

Abstain – 9

Rosdahl said that he agreed that it is valuable and abstained because he had no preference on the date.

Grow said he abstained because he is ambivalent when it will happen.

Thaler and Law said that they will be there when it happens.

Rigsbee said that perhaps there is no urgency.

Kraemer said that he does not feel the same urgency, partially due to the existence of the conference calls.

Nikolich asked about having a face to face meeting instead of a call.

This was not a popular idea.

Nikolich asked (strawpoll) who was in favor of having an EC workshop between now and July 2012 – 12 voted yes.

Sherman suggested that we use more conference calls instead of face to face meeting.

Nikolich presented dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 17

802.1: 802.1Q, 802.1 par modification for 802.1Qbh

802.15: 802.15.7 PAR modification

802.15.8: new standard for personal space communications.

802.3.1: Maintenance PAR (revision), 48 hour rule

Law said that comments were due by Tuesday at 5 pm, response and final text is due by Wednesday at 5 pm.

Marks said that there should be a revision PAR under 48 hour rule for 802.16.

# Draft PARs to NesCom

1. 802.1Q amendment for equal cost multiple paths (ECMP)
  2. 802.1 PAR modification to P802.1Qbh, PAR. The 5C is unchanged.
  3. 802.15.7 PAR modification to correct editorial issues in scope and purpose, PAR. The 5C is unchanged
  4. 802.15.8 new standard for personal space communications, PAR and 5C
- Maintenance PARs (48 hour notice)
    - P802.3.1 revision
    - P802.16 revision

Gordon presented "802PlenaryMar11\_StdS Store Update.ppt"

Nikolich said that we asked for them to fix single copy sales by the end of 2010, and if not we would stop paying the Get IEEE 802 fees.

Nikolich was ignoring Thompson's attempt to ask a question.

Thompson said that one of the issues is that the user interface was too difficult to navigate.

Rigsbee wondered if the price would be closer to \$1 or \$80. The goal was to get cheap downloads.

Law said that the price should be up to the IEEE.

Grow said that one goal was to fix the user interface for purchasing single copy standards. The BoG did not request him to pay the Get IEEE 802 fee, he would have cut the check if the BoG had directed him. Grow had asked them to create editions rather than amendments. This changes the pricing model as a short standard is cheaper than a full version.

Law said that we should view this as a fix to single sales copy. This does not address \$1 download, which is a way to get money from GetIEEE802.

Mody said that PDFs don't read well in mobile readers.

Nikolich said that there is some effort to develop standards for mobile devices.

Rigsbee said that we got into this for a replacement for Get IEEE802.



# IEEE Standards Store Executive Summary

IEEE 802® Plenary

14 March 2011



# New Standards Store



- Working with Thomson Reuters Techstreet to build & operate an IEEE-SA Standards Store
- Additional source (beyond IEEE Xplore & IEEE Shop) for customers who need full access to a broad standards library, key information about standards & immediate access to standards products upon their availability
- Deliver individual IEEE standards products in print & print-on-demand, PDF, CD & other media (e.g., mobile)
- Work underway with Techstreet to build the Standards Store
- Launch date scheduled for 8 April 2011

# New Standards Store



## Project Team

	<b>Project Sub-Team</b>	<b>IEEE Lead</b>	<b>Techstreet Lead</b>
1	<b>Business Requirements</b>	<b>Markus Plessel</b>	<b>Andrew Bank</b>
2	<b>Data / Content Management / Catalog library</b>	<b>Markus Plessel Esaleta Corbin</b>	<b>Chris Flynn Lewis Poole</b>
3	<b>Technical Architecture (linking, etc.)</b>	<b>Walter Pienciak</b>	<b>Caleb Rutan</b>
4	<b>Membership Authentication and Authorization</b>	<b>Christiane Vigil</b>	<b>Caleb Rutan</b>
5	<b>Site Design</b>	<b>Christina Haberle</b>	<b>Cheryl Butler</b>
6	<b>Customer Service Support</b>	<b>Samantha Bradley</b>	<b>Adam Labowitch</b>
7	<b>Order Fulfillment / Inventory</b>	<b>Charmain Williams</b>	<b>Joe Wright</b>
8	<b>Marketing</b>	<b>Shuang Yu</b>	<b>Betsy Henrichs</b>

# New Standards Store Features



- Cross-selling of IEEE-SA content (IEEE related & referenced standards)
- Cross-selling & linking to related third party content (non IEEE referenced standards)
- Comprehensive product record display
- Algorithm-generated product recommendations
- Free Standards Tracking “alert” service (customer can sign-up to be alerted when standards of interest to him/her are available)

# New Standards Store Features



- Faster time-to-market (**less than 24 hours to post product for discovery & purchase**)
- Standards-specific database, containing over 20 different relationship types (more robust search)
- A search engine established specifically for standards data (e.g., revisions, adoptions)
- Flexible category browsing system integrated with product records & navigation—ability to have standards category & family sub-home pages, vertical industry sub-pages, etc.
- Ease-of-purchase (web-accounts not required)

# Mock Up of Standards Store Standards Detail Page

Free standards tracking feature

Tabs to provide detailed information to customers:

- Description
- Related products
- Referenced standards
- Product family
- What others bought

IEEE SA - Standards Store | Techstreet - Mozilla Firefox

http://cbutler.dev.techstreet.com/standards/IEEE/80\_2000?product\_id=722997

IEEE.org | IEEE Xplore Digital Library | IEEE Standards Association | IEEE Spectrum Online | More IEEE Sites

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### IEEE 80-2000

IEEE Guide For Safety in AC Substation Grounding  
Institute of Electrical and Electronics Engineers / 01-May-2000 / 192 pages  
ISBN: 0738119261

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The intent of this guide is to provide guidance and information pertinent to safe grounding practices in AC substation design. This guide is primarily concerned with outdoor substations, either conventional or gas-insulated. These include distribution, transmission, and generating plant substations. With proper caution, the methods described herein are also applicable to indoor portions of such substations, or to substations that are wholly indoors.

**Keywords:** 073811927X, ground grids, grounding, substation design, substation grounding

**Product Code(s):** STDPD94807,STD94807

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Karen McCabe; [k.mccabe@ieee.org](mailto:k.mccabe@ieee.org); 732 562 3824

**THANK YOU**

Gordon presented "802 Mar 2011 Plenary\_Get 802 Update.ppt"

Nikolich indicated that the download rate goes from 400 units/year to 400,000 units/year. There is a price with an efficient delivery channel, we should be able to sell much more than 400 units/year.

Thompson said that fulfillment cost was too high (\$35) and so IEEE could not deliver it efficiently.



# Get IEEE 802® Update

IEEE 802 Plenary; 802 EC

14 March 2011



# Download Stats

Program total downloads to date (April 2003 to Feb 2011)	5,474,917
Program 2011 Year to Date downloads (Jan 2011-Feb 2011)	91,061

# User Type (April 2003 to Feb 2011)

User Type	Downloads
Academic/Student	1,942,694
Attorney/Legal	15,501
Government	133,694
Journalist	49,967
Network Equipment Mfg	53,6813
Network Service Provider	4
Network Silicon Mfg	116,250
Network Software Developer	341,498
Other	822,102
Private Network Service Provider	146,729
Public Network Service Provider	334,291
Silicon Mfg	2
Standards Developer	189,375
Systems Admin	229,018
Unknown	625,979

# Most Downloaded Standards

Most requested for download in 2010:

- 802.11n-1999
- 802.11b-1999
- 802.3-2002
- 802.11-2007
- 802.11a-1999

# New Program Entries

Standards added into program since Nov 2010 to Feb 2011

- 802.17c-2010
- 802.3ba-2010
- 802.11n-2010
- 802.11p-2010
- 802.16h-2010

# Thank You

Grow presented "TreasOpeningReport.pdf"

Grow indicated that the November meeting was about \$5000 loss.

Thompson asked if our intention was to increase the reserve with the Dallas meeting.

Grow said that he thinks the current \$1.3 M reserve is sufficient.

Grow said that we budgeted 900 attendees.

Rigsbee said that we should have 800 attendees, with 700 paid registrations. There were many cancellations due to the earthquake/tsunami.

Grow said that we will lose probably lose close to \$200,000 on this meeting rather than \$50,000.

Rigsbee said that the reserve would be there to offset the cost on this meeting, which will put us at a \$1 M reserve.

Nikolich asked where the sponsor contribution is on the sheet.

Rosdahl said that it should be in the cost reductions.

Grow said he would check and provide it in the report on Friday.

Rigsbee said that the sponsorship is roughly \$160,000 USD (\$218,000 SGD)

**Draft**

**IEEE Project 802  
Estimated Statement of Operations  
Nov 2010 Plenary Session  
Dallas, TX**

As of Mar 11, 2011

Income	Fee	Cxl	LCxl	Act/Est						Budget					Var	
				Gross	Cxl	LCxl	Net	Net Amt	%	Gross	Cxl	Net	Net Amount	%		
Paid Registration Summary (dB)																
Pre-registration	\$ 700	\$ (700)	\$ (650)	20	1	6	13	\$ 9,400	2%	36					4%	
Pre-registration (with discount)	\$ 400	\$ (400)	\$ (350)	549	8	12	529	\$ 212,200	66%	630					70%	
Web-registration	\$ 800	\$ (800)	\$ (750)	11	0	0	11	\$ 8,800	1%	27					3%	
Web-registration (with discount)	\$ 500	\$ (500)	\$ (450)	193	0	5	188	\$ 94,250	23%	135					15%	
Onsite-registration	\$ 900	\$ (900)	\$ (850)	14	0	0	14	\$ 12,600	2%	18					2%	
Onsite-registration (with discount)	\$ 600	\$ (600)	\$ (550)	46	1	1	44	\$ 26,450	5%	54					6%	
Student-registration	\$ 150			3	0	0	3	\$ 450	0%	0					0%	
Total Registration				836	10	24	802	\$ 364,150	100%	900	18	882	\$406,602	100%		(\$42,452)
Bank								\$ 364,150	88%						87%	
Non-registration Income																
Deadbeat collections								\$ -	0%				\$ -	0%		\$0
Bank interest								\$ 648	0.2%				\$ 300	0%		\$348
Comps & Commissions								\$ 49,495	12%				\$ 60,000	13%		(\$10,505)
Other								\$ -	0%				\$ -	0%		\$0
<b>Total Session Income</b>								<b>\$ 414,293</b>	100%				<b>\$ 466,902</b>	100%		<b>(\$52,609)</b>
<b>Expenses</b>																
Audio Visual								\$ 19,093	5%				\$ 20,000	4%		(\$907)
Audit								\$ -	0%				\$ -	0%		\$0
Bank Charges								\$ 280	0%				\$ 350	0%		(\$70)
Copying								\$ 1,399	0%				\$ 2,000	0%		(\$601)
Credit Card Discounts & Fees								\$ 25,785	7%				\$ 20,330	4%		\$5,455
Equipment Expenses								\$ -	0%				\$ 1,000	0%		(\$1,000)
Get IEEE 802 Contribution							**	\$ -	0%				\$ 66,150	14%		(\$66,150)
Insurance								\$ -	0%				\$ -	0%		\$0
Meeting Administration								\$ 66,982	19%				\$ 76,050	16%		(\$9,068)
Misc Expenses*								\$ 2,505	1%				\$ 4,500	1%		(\$1,995)
Networking								\$ 88,760	25%				\$ 95,000	20%		(\$6,240)
Other Expenses								\$ 1,000	0%				\$ -	0%		\$1,000
Phone & Electrical								\$ 1,734	0%				\$ 500	0%		\$1,234
Refreshments								\$ 93,551	26%				\$ 110,000	23%		(\$16,449)
Shipping								\$ 9,596	3%				\$ 15,000	3%		(\$5,404)
Social								\$ 45,123	13%				\$ 60,000	13%		(\$14,877)
Supplies								\$ 1,206	0%				\$ 800	0%		\$406
<b>Total Session Expense</b>								<b>\$ 357,013</b>	100%				<b>\$ 471,680</b>	100%		<b>(\$114,667)</b>

\* 802.11 20th Anniv costs

\*\*Note: \$60,150 Get IEEE 802 contrib. held in escrow

<b>Net Session Surplus/(Loss)</b>	<b>\$ 57,281</b>	<b>\$ (4,778)</b>
	\$ (2,869) (had we paid Get802 contribution)	

Cash recognized on hand as of 03/01/11	\$ 1,252,914	
Reserve for unpaid expenses for prior sessions	\$ (60,150)	Get 802 contribution
Reserve for other outstanding commitments		
Income received for current session (Singapore)	\$ (335,600)	
Expenses prepaid for current session (Singapore)	\$ 399,164	
Expenses prepaid for future sessions		
Equipment Receivable Acct	\$ 15,999	

<b>Operating Reserve as of end of Dallas Session</b>	<b>\$ 1,272,327</b>
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**Draft**

**IEEE Project 802  
Estimated Statement of Operations  
Mar 2011 Plenary Session  
Singapore**

As of Mar 8, 2011

Income	Fee	Cxl	LCxl	Budget			Var		
				Gross	Cxl	Net		Net Amount	%
Paid Registration Summary (dB)									
Pre-registration	\$ 700	\$ (700)	\$ (650)	36				4%	
Pre-registration (with discount)	\$ 400	\$ (400)	\$ (350)	630				70%	
Web-registration	\$ 800	\$ (800)	\$ (750)	27				3%	
Web-registration (with discount)	\$ 500	\$ (500)	\$ (450)	135				15%	
Onsite-registration	\$ 900	\$ (900)	\$ (850)	18				2%	
Onsite-registration (with discount)	\$ 600	\$ (600)	\$ (550)	54				6%	
Student-registration	\$ 150			0				0%	
Total Registration				900	18	882	\$406,602	100%	(\$36,952)
Bank								87%	
Non-registration Income									
Deadbeat collections				\$ -				0%	\$0
Bank interest				\$ 300				0%	\$0
Comps & Commissions				\$ 60,000				13%	\$0
Other				\$ -				0%	\$0
<b>Total Session Income</b>				<b>\$ 466,902</b>				<b>100%</b>	<b>(\$36,952)</b>
<b>Expenses</b>									
Audio Visual				\$ 20,000				4%	(\$1,500)
Audit				\$ -				0%	\$0
Bank Charges				\$ 350				0%	\$0
Copying				\$ 2,000				0%	(\$1,000)
Credit Card Discounts & Fees				\$ 20,330				4%	(\$1,078)
Equipment Expenses				\$ 1,000				0%	(\$500)
Get IEEE 802 Contribution				\$ 66,150				14%	(\$6,000)
Insurance				\$ -				0%	\$0
Meeting Administration				\$ 76,050				16%	(\$3,920)
Misc Expenses*				\$ 4,500				1%	(\$2,000)
Networking				\$ 95,000				20%	\$0
Other Expenses				\$ -				0%	\$0
Phone & Electrical				\$ 500				0%	\$0
Refreshments				\$ 110,000				23%	(\$5,000)
Shipping				\$ 15,000				3%	\$0
Social				\$ 60,000				13%	(\$9,000)
Supplies				\$ 800				0%	\$200
<b>Total Session Expense</b>				<b>\$ 471,680</b>				<b>100%</b>	<b>(\$29,798)</b>
* reg counters, grats, CDs									
<b>Net Session Surplus/(Loss)</b>				<b>\$</b>			<b>(4,778)</b>		

Kraemer said that there is a JTC1 meeting held in June in San Diego. 802.11 has several reasons to attend the meeting. Kraemer said that there is a desire to appoint an official 802 representative. Kraemer will be attending the meeting. 802.11 is discussing three JTC1 topics in their agenda.

Thompson supports Kraemer's proposal. In addition to an 802 delegation, we should encourage 802 participation in national body delegations.

Kraemer said that there is an item on the agenda for Thursday morning for JTC1, asked for Terry deCourcelle to attend the call.

Nikolich moved up the JTC1 item to second on the agenda. He asked if Kraemer was volunteering to be head of delegation.

Andrew Myles (Cisco) said that there is a draft agenda up already with a number of items of interest to IEEE, replacements for 802.1X, 802.11 security and 802.16 security.

Kraemer said that the meeting is the week of June 20.

Nikolich asked for an 802 wide discussion during JTC1 adhoc, Wed. AM1, in 802.11 room 4810A. All WGs are invited.

Nikolich asked if there were any objections to this timeslot. He asked Kraemer to publish the agenda for the meeting.

Kraemer delegated this to Myles.

Myles said that it was posted.

Nikolich asked Myles to post it to the reflector.

Gilb indicated that there are two meetings. The group is running behind schedule because Gilb has been very busy.

Thaler said that the draft was greatly improved. She felt that Gilb was doing a good job and that Nikolich should stop picking on him.

Thompson said that he had a conflict on Thursday.

Law asked for the results.

Kraemer related the results of the ballot:

Ballot pool: 57 (51 802.1 voters + 6 EC members)

Responses: 39 (68.42%)

Yes votes: 7 (26.92%)

No votes: 19 (73.08%)

Abstain: 13 (33.33%)

Sherman presented "VC2\_13032011\_r0\_EC\_Rules\_Update-opening.ppt"

Sherman said that we would seek approval for the AudCom comments on Friday as an 802 response.

# EC Opening Meeting Update on IEEE 802 LMSC Rules

## **Author:**

Matthew Sherman  
Vice Chair, IEEE 802  
BAE Systems - ES  
Matthew.Sherman@BAESystems.com

**Date:** March 13<sup>th</sup>, 2011

# LMSC Rules Status

- OM and WG P&P are up to date
- LMSC P&P is up to date except for minor AudCom changes
  - Preference is to defer updates till necessary
    - Something major to be addressed
    - Or 5 year review limit reached (~2015)
- A Chair's Guide update is expected for this week
- AudCom reviewed our WG P&P (received 3/11/11)
  - Identified many issues (some large, some small)
- Held rules review on 3/12/2011
  - Focused on AudCom WG P&P comments
  - Consensus is updates are required
    - M. Sherman will prepare a WG P&P ballot for this Friday
    - M. Sherman will prepare a draft AudCom response for review

# Summary of “Rules Review”

- Minutes are uploaded as EC-11-0004-00
- Sections with comments included 5, 6.1, 6.2, 6.5.1, 8, 8.1, 9.1, 9.2, 9.3, 9.6, and 10.
- Many comments were editorial
- Some were misunderstandings
- Several had merit
- Draft guidance on recommended changes and responses to AudCom
- A draft response to AudCom will be available Friday
- WG P&P changes for ballot will be presented Friday
  - Intent is to initiate a ballot
  - Comment resolution will be performed to further consensus during the ballot

5.22 II JTC1/SC6 802 ad-hoc meeting (co-located with 802.11 mtg) 8-10AM Wed Nikolich/ Kraemer 5 09:52 AM

Nikolich indicated that this had already been covered.

5.23 II March 2012 non-North American venue update Rigsbee/ Heile 15 09:52 AM

Heile had left the room

Rigsbee indicated that Heile has been working on a replacement for March 2013 as the host had to remove their support for the meeting. He is looking at PRC and Melbourne. The PRC is under future development, but will not work for 2013. Melbourne is looking like it has promise. By Friday, there should be options for either Melbourne or Hilton Waikoloa Village on Hawai'i.

Heile returned to the room. Nanjing fell through, there are details to be discussed with Melbourne, but it looks good.

Nikolich said that Waikoloa and Melbourne are roughly equal, but with Melbourne the hotels are not next to the meeting space.

Rigsbee said that there will be a meeting to discuss it on Wednesday from 1-3 pm, but Heile is busy with ITU at that time.

Meeting is set Wednesday, 3-4 pm.

5.24 II Volunteers for newcomer training Thaler 5 10:00 AM

Thaler said that she got no volunteers to hold the training. In fact, she needs to leave to hold the training at this time.

Suggested having the three biggest group to take one of each of the plenaries.

Nikolich asked for a volunteer for July.

Marks couldn't identify a person at this time.

Nikolich said that 802.11 would be responsible for July, 802.16 will be responsible for November, 802.3 will be responsible for March 2012.

Rigsbee said that we should videotape one so that it can be put on the web.

Thaler said we had considered it, but that people want a live presentation and the information changes.

5.26 ME 802.16m forward to RevCom Marks 5 10:04 AM

Marks has sent slide to the EC. They had conditional approval in November to send to RevCom, but the Chair's ruling was that there are only 2 recirculations, but they needed three recirculations.

Motion is to approve forwarding P802.16m/D12 to RevCom.

Moved by Marks, seconded by Kraemer.

Thompson asked if all negative comments have been recirculated once.

Marks said yes, the last recirculation had no comments.

Grow said that we should not use the word "forwarding". He suggested that we be clear on submittal vs. forwarding.

Marks said that they had approval to forward to RevCom, conditionally.

Grow asked it to be changed to have it remain on the agenda.

Vote is 14/0/1, motion is approved.

5.33 II EC meeting schedule (rules, SA, etc.) Nikolich 3 10:10 AM

Nikolich presented the EC meeting schedule, dot00\_MAR\_2011-Nikolich-draft02-public.pdf, slide 20.

# EC meetings for the week

(MBS Conv Center room 4410A)

- Monday 11:15-11:45 Welcome to Singapore Sands Ballroom 1
- Monday noon-9:00pm open
  
- Tuesday 9-10am open
- Tuesday 11am-1pm open
- Tuesday 1-3pm open
- Tuesday 3-5pm open
- Tuesday 6-8pm 802 Architecture
  
- Wed 8-10am JTC1 ad hoc (in 802.11 room 4810A)
- Wed 10-noon open
- Wed noon-1:00pm open
- Wed 1:00-3pm open
- Wed 3-4pm March 2012 plenary venue option details (Melbourne vs Hawai'i)
- Wed 6-7pm Host (IDA and I2R) Technical Plenary in Sands Ballroom
  
- Thursday 8am-10am 802 Architecture (tbd)
- Thursday 8-10am IEEE 802 LMSC Task Force (4410A)
- Thursday noon-1pm open
- Thursday 1-6pm open

Rigsbee discussed the Host technical plenary, on Wednesday 6-7 pm. There are brochures on the I-experience near the registration desk with demonstrations for communications of the future.

Grow indicated that the SASB has failed to act on the ITU-T liaison. IEEE external representative (ER)

Nikolich added it to task force agenda.

Nikolich introduced Fanny Su, Region 10 IEEE Asia Pacific Operations Center. They help the volunteers in the Asia Pacific region. There was a round of applause for Su.

5.36 DT ADJOURN SEC MEETING

Nikolich

10:30 AM

**ME - Motion, External MI - Motion, Internal**

**DT- Discussion Topic II - Information Item**

Meeting adjourned at 10:20 am

Respectfully submitted

James Gilb

IEEE 802 LMSC Recording Secretary