MINUTES (Unconfirmed) IEEE 802 LMSC
EXECUTIVE COMMITTEE MEETING, Revision 2

Prepared by John D'Ambrosia, Recording Secretary

Monday, Nov 12, 2012 – 8:00 a.m.
All times Central Standard Time (CST)

San Antonio, TX

EC members present:
Paul Nikolich –   Chair, IEEE 802 LAN/MAN Standards Committee
Pat Thaler –   Vice Chair, IEEE 802 LAN/MAN Standards Committee
James Gilb –   Vice Chair, IEEE 802 LAN/MAN Standards Committee,
                          Chair, IEEE 802.24 Smart Grid TAG
Clint Chaplin –   Treasurer, IEEE 802 LAN/MAN Standards Committee
Jon Rosdahl –   Executive Secretary, IEEE 802 LAN/MAN Standards Committee
John D'Ambrosia –   Recording Secretary, IEEE 802 LAN/MAN Standards Committee
Tony Jeffree –   Chair, IEEE 802.1 – HILI Working Group
David Law –   Chair, IEEE 802.3 – Ethernet Working Group
Bruce Kraemer –   Chair, IEEE 802.11 – Wireless LAN 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

Nonvoting EC members present:
Buzz Rigsbee – Meeting Planner, Member Emeritus (nonvoting)
Geoff Thompson – Member Emeritus (nonvoting)
Canchi Radhakrishna – Chair, IEEE 802.20 – Mobile Broadband Wireless Access Working Group

EC members absent:

Nonvoting EC members absent:
John Lemon – Chair, IEEE 802.17 – Resilient Packet Ring Working Group

v05		**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 8:00am

NOV 2012
IEEE 802
LMSC

Opening EC Meeting
8 AM-10:30AM

draft05

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2.00	MI	APPROVE OR MODIFY AGENDA	Nikolich	10	08:01 AM

Discussion

Recording Secretary noted following editorial changes

- Item 5.16 currently listed as "IEEE-SA Std Board - Individual / Entity Policy Ad Hoc" should be "- IEEE-SA Standard Board Draft Sharing Ad-Hoc"
- Add agenda 5.095 Item PR Notices (II)
  - In future, please add item # to cover press releases

Motion#1:	Move to approve modified agenda
Moved	Mike Lynch
Second	Subir Das
Results	Approved by 13-0-0
Motion	Passes

Approved Agenda shown below

v06		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
2.00	MI	**APPROVE OR MODIFY AGENDA**	Nikolich	10	08:01 AM
3.00	MI*	**APPROVE Minutes of July opening meeting, 2012_07_15_Open Minutes_R1.pdf**	Nikolich	0	08:11 AM
3.01	MI*	**APPROVE minutes of July closing meeting, 2012_07_20_closing_Minutes_V1.pdf**	Nikolich	0	08:11 AM
3.02	MI*	**APPROVE minutes of Oct conference call, 2012_10_09_Call_Minutes_R0.pdf**	Nikolich	0	08:11 AM
4.01	II*	**EC member affiliation updates**	Nikolich	0	08:11 AM
4.02	II*	**IEEE Staff Introductions**	Nikolich/Gerdon	0	08:11 AM
4.03	MI	Fee Waivers: Staff and Invited Guest Blum/TIA introduction	Lynch	2	08:11 AM
				0	08:13 AM
		LMSC items		0	08:13 AM
5.00	II	1900.4.1 Sponsor Ballot Participation by 802	Nikolich	2	08:13 AM
5.01	II*	**BoG Actions**	Nikolich	0	08:15 AM
5.02	II*	**Stds Board Actions (approved projects, standards, withdrawals)**	Nikolich	0	08:15 AM
5.03	II*	**LMSC Email Ballot Recap**	Nikolich	0	08:15 AM
5.04	II*	**LMSC Meeting Fee Waivers**	Nikolich	0	08:15 AM
5.05	II*	**Tutorial Schedule**	Nikolich	0	08:15 AM
5.06	II*	**List of Drafts to Sponsor Ballot**	Nikolich	0	08:15 AM
5.07	II*	**List of Drafts to Revcom**	Nikolich	0	08:15 AM
5.08	II	PARS to NesCom	Nikolich	5	08:15 AM
5.09	II	Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs	Nikolich	5	08:20 AM
5.095	II	PR Notices	Kraemer	5	08:25 AM
5.10	II	802 Overview and Architecture status update	Gilb	5	08:30 AM
5.11	II	Smart Grid TAG Update	Gilb	5	08:35 AM
5.12	DT	P&P update	Gilb	15	08:40 AM
5.13	II	Review Proposed 5C Changes within WGs	Gilb	3	08:55 AM
5.14	II	802 JTC1 ad hoc update	Kraemer/Myles	5	08:58 AM
5.15	II	802 Leadership Workshop Update	Marks	5	09:03 AM
5.16	II	IEEE-SA Standard Board Draft Sharing Ad-Hoc	Diab	5	09:08 AM
5.17	II	Joint 802 / IETF Meeting Update	Thaler	5	09:13 AM
5.18	II	Future venue contract status	Rosdahl	5	09:18 AM
5.19	II	Geneva 2013 Expectation	Rosdahl	5	09:23 AM
5.20	II	Host Guidelines status update	Rosdahl/Rigsbee	5	09:28 AM
5.21	II	802 e-tools status update	Boyce/Rosdahl	5	09:33 AM
5.22	II	Open Stand Status / World Conference on International Telecommuncations (WCIT-12) Preparation Update	McCabe	5	09:38 AM
5.23	II	Treasurer's report	Chaplin	5	09:43 AM

5.24	II	IEEE 802 University Outreach status update	Law	5	09:48 AM
5.25	II	CD ROM Agreement	D'Ambrosia / Bennett	5	09:53 AM
5.26	II	Single copy sales of PDF status update	McCabe	5	09:58 AM
5.27	II	Document publication priority update	McCabe/Nikolich	3	10:03 AM
5.28	II	SA International Activities Update	McCabe	5	10:06 AM
5.29	DT	Disaster Recovery	Nikolich / DAmbrosia	5	10:11 AM
5.30	II	Get IEEE 802 Update	McCabe	5	10:16 AM
5.31	II	OUI registries	Parson	2	10:21 AM
5.32	II	802 Task Force Tenative Agenda	Nikolich	5	10:23 AM
5.33	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	10:28 AM
5.34	II	Action Item Review	Nikolich / DAmbrosia	5	10:31 AM
5.35					10:36 AM
5.36	DT	ADJOURN SEC MEETING	Nikolich		10:30 AM

ME - Motion, External   MI - Motion, Internal

DT- Discussion Topic   II - Information Item

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4.01	II*	EC member affiliation updates	Nikolich	0	08:11 AM

Approved with approval of agenda

EC Affiliation Update

- Changes in affiliation among EC members

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4.02	II*	IEEE Staff Introductions	Nikolich/Gerdon	0	08:11 AM

Approved with approval of agenda

IEEE Staff on site

1. Michelle Turner: Document Development   Sr. Prgm. Mgr.
2. Patricia Gerdon: Technical Committee Programs   Sr. Mgr.
3. Kathryn Bennett: Technical Program Development   Prgm. Mgr.
4. Lisa Perry: Technical Program Development   Prgm. Mgr.
5. Karen McCabe: Strat. Mktg and Product Management   Sr. Director
6. Jodi Haasz: International Programs,   Standards Strategist
7. Gil Santiago   Infrastructure Services   Sr. Director
8. Walter Pienciak   Standards Technical Solutions (etools) Sr. Mgr.
9. Konstantinos Karachalios   SA Managing Director
10. Bill Ash   Smart Grid   Strategic Prgm. Mgr.

Invited Guest

1. Cheryl Blum   VP, Technology and Standards at TIA

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Meeting Fee Waivers

- IEEE SA Staff listed on previous slide
- Invited Participants listed on previous slide

- EC Motion:
  Approve waiving of the registration fee for the above Staff and invited participants

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Motion#2:	Approve waiving of the registration fee for the above Staff and invited participants
Moved	Mike Lynch
Second	Subir Das
Results	14-0-0
Motion	Passes

Discussion: Two organizations have a "Friendship"agreement. Discussion regarding copyright request procedures.

Nikolich verbal update – see his slide 5

P1900.4.1

- 1900.4.1: Standard for Interfaces and Protocols Enabling Distributed Decision Making for Optimized Radio Resource Usage in Heterogeneous Wireless Networks

- **Contacts**
  Masayuki Ariyoshi, PhD IEEE 1900.4 Working Group Chair
  ariyoshiATbx.jp.nec.com,
  Hiroshi Harada, PhD IEEE 1900.4 Working Group Vice-Chair,
  haradaATnict.go.jp

- If there is interest, 1st contact WG leadership to establish a liaison.
- If that isn't accepted, should 802 participate in a manner similar to P1905.1?

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- Action item – Bob Heile – contact Hiroshi Harada about establishing liaison between P1900.4.1 and 802

| 5.01 | II* | BoG Actions | Nikolich | 0 | 08:15 AM |

Approved with approval of agenda.

SA BoG Update

- No BoG meetings held since JUL plenary, next meeting scheduled for 29-30NOV2012

  - Bruce Kramer continues to lead strategic plan creation to improve standards development with Chinese participants

  - The new managing director, Konstantinos Karachalios, started 20AUG2012, a few EC members met with him late AUG.

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| 5.02 | II* | Stds Board Actions (approved projects, standards, withdrawals) | Nikolich | 0 | 08:15 AM |

Approved with approval of agenda.

SA Standards Board Actions

Project Actions (approvals AUG 2012)

New Projects: P802.1AB-2009/Cor 1, P802.3bm 40/100Gpbs, P802.3bn EPoC, P802.11aj, P802.16.3, P802.16q

Modified PAR: none

Revisions: P802.1Q, P802.11

Reaffirmations: none

Corrigendum: none

Withdrawals: P802.1AXbq

Extensions: P802.11ac extended to DEC2014

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SA Standards Board Actions

Standards Actions (approvals AUG/OCT 2012)

New Standards: P802.1AC, P802.11ad, P802.16.1b, P802.16p, P802.22.2

Revised Standards: P802.3 (Revision)

Reaffirmations: none

Corrigendum: P802.1Q-2011/Cor2

Extensions: none

Withdrawals: none

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5.03	II*	LMSC Email Ballot Recap	Nikolich	0	08:15 AM

Approved with approval of agenda

LMSC Email Ballot Recap

	open date	topic	yes/no/abs/dnv	result
1)	24JUL	Continuation of $5 single copy sales	17/00/02/00	straw poll
2)	02AUG	Higher Speed and BW assessment PR	11/00/00/03	pass
3)	08AUG	802 contribution to ITU-R M.1801	withdrawn	
4)	27SEP	Sponsor Invitation Letter	12/00/00/02	pass
5)	08SEP	802 comments to FCC on LTE	11/00/00/03	pass
6)	09SEP	authorize $1200 for P1905.1 draft	11/00/00/03	pass
7)	14OCT	802 input WP5A M.1801&M.1450	12/00/00/02	pass
8)	17OCT	Smart Grid TAG PR	00/00/00/00	pending

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5.04	II*	LMSC Meeting Fee Waivers	Nikolich	0	08:15 AM

Approved with approval of agenda.

5.05	II*	Tutorial Schedule	Nikolich	0	08:15 AM

Approved with approval of agenda

Tutorial/Information Schedule

Monday	notes
1) Deterministic 802 Networking 6:00-7:30PM, sponsored by 802.1WG Chair Tony Jeffree	
2) Applications of Layer 2 Routing 7:30-9:00PM, sponsored by 802.15WG Chair Robert Heile	
3) An Introduction to 802.24 Smart Grid Technical Advisory Group 9:00-10:30PM, sponsored by 802.24TAG Chair James Gilb	

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5.06	II*	List of Drafts to Sponsor Ballot	Nikolich	0	08:15 AM

Approved with approval of agenda

Draft Standards to Sponsor Ballot

1. 802.01: P802.1AB Cor-1
2. 802.03: P802.3.1 (IEEE 802.3.1a) Ethernet MIBs Revision (conditional)
3. 802.11: none
4. 802.15: P802.15.4k Low Energy Critical Infrastructure Monitoring (unconditional)
5. 802.16: none
6. 802.19: none
7. 802.21: tbd
8. 802.22: none
9. 802.24: none

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5.07	II*	List of Drafts to Revcom	Nikolich	0	08:15 AM

Approved with approval of agenda.

Items for RevCom consideration

1. 802.01: none
2. 802.03: none
3. 802.11: none
4. 802.15: none
5. 802.16: P802.16n and P802.16.1a
6. 802.19: none
7. 802.21: tbd
8. 802.22: none
9. 802.24: none

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5.08	II	PARS to NesCom	Nikolich	5	08:15 AM

Nikolich gave verbal update and instructed WG Chairs to review with groups.

Draft PARs to NesCom

1. 802.1ACby Support by Ethernet over Media Oriented Systems Transport (MOST)
2. 802.1Qbz Enhancements to Bridging of 802.11
3. 802.1Qca Path Control and Reservation
4. P802.3bj 100 Gb/s Operation Over Backplanes and Copper Cables PAR modification
5. P802.3bp 1 Gb/s Operation over Fewer than Three Twisted Pair Copper Cable amendment.
6. P802.11ak amendment for Global Link
7. P802.11aq amendment for Pre-association Discovery (PAD)
8. P802.15.4q amendment for Ultra Low Power
9. P802.16r amendment for Small Cell Backhaul
10. P802.21 revision PAR for 802.21-2008
11. P802.21.1 Standard for Media Independent Services
12. P802.22.1a amendment for Advanced Beaconing

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| 5.09 | II | Notice of Study Groups / pre-PAR activity under consideration/status of existing SGs | Nikolich | 5 | 08:20 AM |

Nikolich gave verbal update.

Pre-PAR activity

Group	New	Existing
dot01		- 802.11 Bridging Study Group 1st ext
dot03	- Distinguished minimum latency traffic in a converged traffic environment SG	- Reduced Pair 1 Gb/s Ethernet SG (2nd ext), - Next Generation BASE-T SG (1st ext.)
dot11		- General Link SG (1st ext), - Pre-Association Discovery SG (1st ext) plus other activities in Wireless Next Generation standing committee
dot15	- Layer 2 Routing SG	- Ultra low power 802.15.4 (2nd), Interest Groups: Terahertz, LED Communications, Spectrum Resource Usage
dot16	- formation of an EC OmniRAN Study Group	- HetNet SG (2nd ext)
dot18		
dot19		
dot21		
dot22		- SG for enhanced protection for signal types other than the Part 74 devices (1st ext)
dot24		

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Roger Marks informed the EC that he would be requesting the formation of an EC Study Grup related to HetNet.

5.095	II	PR Notices	Kraemer	5	08:25 AM

Kraemer gave verbal update - 802.11ad – press release prepared has been sent out to EC reflector. Approval on Friday to be requested.

Gilb gave verbal update. sent out status to reflector
- Smart Grid Standards   6-0-0 (Electronic) failed by lack of adequate response
    - Request to add 802.22 to press release and brought back to EC for approval on Friday.
- 802.24 Formation   9-1-0 (Electronic)
    - Don't intend to release prior to Friday.

Law gave verbal update - may bring press release related to CFI if passes for consideration on Friday.

5.10	II	802 Overview and Architecture status update	Gilb	5	08:30 AM

Gilb verbal update. Recirculation necessary, meeting today 1:30 to 3:30 and Thursday 10am – 12:30pm. Meetings will be to resolve comments

Will ask for conditional approval at Friday's meeting.

5.11	II	Smart Grid TAG Update	Gilb	5	08:35 AM

Gilb gave verbal update. There will be 3 meetings this week (M-W). Working on catalog of relevant 802 Standards. Officer Elections this week. Motion to confirm officers anticipated for Friday anticipated. Currently no process for doing documents, but being worked on.

5.12	DT	P&P update	Gilb	15	08:40 AM

Gilb presented EC-12-0053-02.

Individuals with concerns over slides should email Gilb / reflector expressing their concerns. Document has been re-formatted into their format.
GIlb will post file with update and accompanying diff file. Intent to have this updated document approved on Friday.

IEEE 802 Rules Update
November 2012 meeting

802 EC Rules   James Gilb (Tensorcom)

Participants, Patents, and Duty to Inform

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

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

Slide #1

Patent Related Links

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

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws

http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

http://standards.ieee.org/develop/policies/opman/sect6.html#6.3

Material about the patent policy is available at

http://standards.ieee.org/about/sasb/patcom/materials.html

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

This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt

Slide #2

Call for Potentially Essential Patents

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

Slide #3

Other Guidelines for IEEE WG Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
  - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
  - **Don't discuss specific license rates, terms, or conditions.**
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
      - Technical considerations remain primary focus
  - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
  - **Don't discuss the status or substance of ongoing or threatened litigation.**
  - **Don't be silent if inappropriate topics are discussed ... do formally object.**

  See IEEE-SA Standards Board Operations Manual, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.

Slide #4

Section 1.0

- Left out:
  - IEEE Computer Society (CS) Constitution
  - IEEE CS Bylaws
  - IEEE CS Policies and Procedures Manual (PPM), Section 10
  - IEEE CS Board of Governors Resolutions
  - IEEE CS Standards Activities Board Policies and Procedures (SAB P&P)
- Reason:
  - We have never referred to these and we do not know if they are applicable.

Section 2.0 Responsibilities of the Sponsor

The Sponsor shall be responsible for at least the following:

a) Developing proposed IEEE standards and ensuring that they are within the scope of the Sponsor.

b) Initiating and overseeing ballots of proposed IEEE standards within its scope, including:

  1) Approving Project Authorization Requests (PARs) from a subgroup or the Sponsor

  2) Submitting a proposed PAR to the IEEE-SA Standards Board for consideration. Following approval of the PAR, the Sponsor shall submit necessary requests for extension, modification, or withdrawal of the PAR as required by the IEEE-SA Operations Manual

  3) Submitting draft standards from a subgroup or the Sponsor to the IEEE-SA for Sponsor ballot.

  (Replaces: i) valuating project proposals and, if a proposed project falls within the Sponsor's scope, deciding whether or not to generate a PAR)

c) Maintaining the standards developed by the Sponsor in accordance with the IEEE-SA Standards Board Operations Manual

d) Acting on other matters requiring Sponsor effort as provided in these procedures

e) Cooperating with other appropriate standards development organizations

f) Protecting against actions taken in the name of the Sponsor without proper Sponsor authorization

g) Limiting distribution of the membership roster to appropriate parties

h) Communicating with the IEEE-SA Standards Board on specific Sponsor activities as needed

i) Handling appeals as described in Clause 9

Underline added, green same as before

Note: Item for interpretations was removed.

3.0, 3.1, 3.2, and 3.3

- In 3.0:
  - Baseline added "A person may simultaneously hold the positions of Treasurer and another office, other than Sponsor Chair."
  - Baseline changed "Officers should read the training material ..." to be "Officers shall read the training material ..."
- In 3.1:
  - Baseline did not have template for 802 EC elections, replaced with 802's previous text.
  - Change OM name to "IEEE 802 LMSC Operations Manual" (and in 4.1)
- In 3.2:
  - Add cross reference to3.0 as well as 3.1.
- In 3.3:
  - Change to "two-thirds approval vote of the voting members of the Sponsor."

3.4.1, changes to match baseline

- Removed appointing person for interpretations.
- Changed to "Setting goals and deadlines and ~~endeavoring~~ to adhere to them."
- Added
  - l) Complying with the Sponsor Chair's responsibility with respect to the IEEE-SA Intellectual Property Policies, including but not limited to the IEEE-SA Patent Policy (see IEEE-SA Standards Board Operations Manual 6.3.2, http://standards.ieee.org/board/pat/index.html) and IEEE-SA Copyright Policy (see IEEE-SA Standards Board Bylaws 7, http://standards.ieee.org/guides/bylaws/sect6-7.html#7)
  - m) Submitting approved Sponsor P&P to the IEEE-SA Standards Board Audit Committee (AudCom—see http://standards.ieee.org/board/aud/index.html)
  - n) Ensuring that each Working group has a set of P&P approved by the Sponsor. The Sponsor Chair will provide the Working group P&Ps to AudCom upon request.
  - o) Submitting appropriate Annual Financial Reports (IEEE SA Form L50-S) to the Business Manager, Business Administration, or assignee, for the operation of the Sponsor and all of its subgroups

3.4.3, 3.4.4 and 3.4.5

- 3.4.3
  - Item a), baseline added "—notification of the potential for action shall be included on any distributed agendas for meetings"
  - Retained our timing for agendas (14 vs. 15 days) and publishing minutes (30 vs. 60 days).
- 3.4.4, baseline
  - Removed "The Treasurer has the responsibility ... financial operation of the Sponsor."
  - Changed to: "Control all funds, including any into and out of ..."
- 3.4.5
  - Moved from 3.43. in baseline to 3.4.5 "Scheduling meetings in coordination with the Sponsor Chair and distributing a meeting notice at least 30 calendar days before the meeting." and delete "Provide public notice of upcoming plenary session." as it is covered by the above.

NEW for 3.4.3

- ## 3.4.3 Executive Secretary
  - ### Requested by Chaplin
    - Add Item f), "Carry out the duties of the Treasurer if the Treasurer is unavailable."
  - ### Editorial from Gilb
    - Change "Recording Secretary" to be "Executive Secretary"

4.2, 4.3 and 4.4

- 4.2: Change to "... Voting Sponsor members …" to be "... Voting Members"
- 4.3, baseline
  - added "A current and accurate Sponsor roster shall be maintained. Due to privacy concerns, the roster shall not be distributed except to the IEEE-SA Board of Governors, IEEE-SA Standards Board, and IEEE-SA staff unless all Sponsor members have submitted their approval for such distribution."
  - removed "postal address, employer", added "membership status"
- New 4.4, adds requirement for public membership list (already on our website).

5.1, 5.2

- 5.1: text moved from previous 5 to new 5.1
- 5.2: New text from baseline
  - "Standards Working Groups are responsible for the definitive content of one or more documents and for responding to views and objections thereon. Such Working Groups shall maintain a membership roster and shall comply with the provisions for preparing standards.
  - The Sponsor shall ensure that all Working Groups adopt procedures consistent with the baseline Operating Procedures for Standards Working Groups – Individual Method and review amendments to these procedures to ensure that they are not in conflict with the IEEE-SA Standards Board Operations Manual."
  - Add "with due consideration of advice from the Study Group" to the text describing that the Sponsor selects an existing or new WG for the work.
- 5.2 changes:
  - Deleted from baseline text: "The Sponsor shall appoint the Working group chair."
  - Added in the prior 5.1 text from 802 P&P (even though the clause is marked "shall not be modified"), changing name of WG P&P to be "IEEE 802 LAN/MAN Standards Committee Working Group Policies and Procedures"
  - Move prior 5.1.1 text to 5.2 and promote 5.1.1.1 and 5.1.1.2 to 5.1.1 and 5.1.2

5.4 Study Groups

- Deleted from baseline:
  - "The life of a Standards Study Group I limited to 6 months"
  - "A Study Group is disbanded upon approval of the PAR by the IEEE-SA Standards Board."
- Changed from prior 802 P&P
  - Change to "The WGSG Chair is appointed by the WG Chair and approved by the WG."
  - Deleted "The decision of whether to utilize an existing WG, or to establish a new WG to carry out recommended work items shall be made by the EC with due consideration of advice from the Study Group." as this is already in 5.0 (was prior 5.1, merge in "with due consideration of advice from the Study Group"

6.0, 6.1

- in 6.0, Baseline added:
  - "Sponsor meetings may be conducted either exclusively in-person or in-person with one or more participants contributing via electronic means, or exclusively via electronic means. Sponsor meetings shall be held, as decided by the Sponsor Chair, or by petition of 5 or more voting members, to conduct business such as making assignments, receiving reports of work, progressing draft standards, resolving differences among subgroups, and considering views and objections from any source. A meeting notice shall be distributed to all members at least 30 days in advance of the meeting. A meeting agenda shall be distributed to all members at least 14 days in advance of the meeting. Meetings of subgroups may be held as decided upon by the members or Chair of the subgroup. Notification of the potential for action shall be included on any distributed agendas for meetings."
- In prior 6.0, moved in baseline to 6.4
  - "The Sponsor may charge a meeting fee to cover the expenses of the Sponsor. The fee shall not be used to restrict participation by any interested parties. The Sponsor Officers shall set the meeting fees in consultation with those planning a particular meeting."
- In 6.1 Quorum
  - Change:"A quorum ~~must~~ shall be identified ..."

Add to the OM, meetings

- The Sponsor meets in-person during plenary sessions. At the discretion of the Chair, between plenary sessions, meetings via electronic means may be scheduled.

6.2, 6.4

- In 6.2, Baseline added:
  - "All WG participants shall act in accordance with all IEEE Standards policies and procedures."
- In 6.4:
  - Change "to cover services need for the conduct of meetings and sessions." to be "to cover the expenses of the Sponsor."

New 6.5 Minutes

The minutes shall record the essentials, including the following:

- a) Name of group
- b) Date and location of meeting
- c) Officer presiding, including the name of the secretary who wrote the minutes
- d) Attendance, including affiliation
- e) Call to order, Sponsor Chair's remarks
- f) Approval of minutes of previous meeting
- g) Approval of agenda
- h) Technical topics
    - 1) Brief summary of discussions and conclusions
    - 2) Motions, including the names of mover and seconder.
- a) Items reported out of executive session
- b) Next meeting--date and location

Copies of handouts and subcommittee reports may be included in the minutes or made available as separate items.

7.1.1, 7.1.2, voting

- 7.1.1
  - New item "Approval to jointly sponsor a project (PAR). See Clause 2.1.1"
  - New wording, was "Approval of draft standards for balloting" now (from baseline) "Authorization of a Sponsor ballot"
- 7.1.2 Suggest 3 items requiring 2/3 vote:
  - Approval of change of the Sponsor scope
  - Approval of termination of the Sponsor
  - Removal of an officer except the Sponsor Chair

New 7.2

- 7.2 may be modified, should we heavily modify this? I made some small changes.
- In baseline:
  - "Approval for moving a draft standard to Sponsor ballot, or approval of any substantive change in the scope of a standard proposed by a subgroup, shall be referred to the Sponsor for approval. The Sponsor may delegate approval authority and form a subgroup for this purpose. Approval to move a standard to Sponsor ballot from such a subgroup requires a majority vote. This vote shall be limited to procedural issues and PAR alignment only."

7.4, 8, 8.3.1, 8.3.3

- 7.4 may now be modified. Do we need to change anything? It is currently the same as in our prior P&P.
- 8 has been removed from the baseline, was "shall not be modified". Any reason to keep it?
- Prior 9.3, moved contents of second paragraph to 8.3.1 (new home of this)
- New 8.3.3 "Public statements to be issued by other entities"
  - "If the Sponsor wishes to go to another IEEE entity (as defined in Section 15 of the IEEE Policy and Procedures) to have that entity offer a public statement on a standards matter, they shall do so after agreement from the IEEE-SA Standards Board and after informing the IEEE-SA Board of Governors. Upon Sponsor approval, proposed public statements that need to be issued by other IEEE entities shall be forwarded to the IEEE-SA Standards Board Secretary for further action."

8.5 (new), 10 (gone)

- New 8.5 "Standards publicity"

  - "The Sponsor is encouraged to prepare press releases and other forms of publicity to promote their activities. Please see Clause 5.1.4 of the IEEE-SA Standards Board Operations Manual for further instructions."

  - This may be modified, should we?

- 10 Interpretations was removed (Yeah!)

- Prior 12 (now 10), change to two thirds of all <u>voting</u> members.

5.13	II	Review Proposed 5C Changes within WGs	Gilb	3	08:55 AM

Gilb presented EC-12-0056-02, which has been posted. He gave verbal reminder of proposed 5C documents to be reviewed with individual working groups. EC Doc 56 Rev 2 (Pdf) has been posted.

Comments received
- Seemed odd that co-existence only seemed to address wireless groups. Should be made for all WGs
- In distinct Identity – it should be looked at on a global standards basis.

Gilb anticipating bringing motion of approval of 5C on Friday, but concern is how will feedback be brought forward. Please send comments with suggested text to EC Reflector.

Approval of 5C can only be done at F2F meetings.

Chair directed group to emulate process with PARs. Comments Tuesday 5pm / Feedback by Wed 5pm.

Discussion included:
- Different co-existence, OM change could be voted in March
- Feeling of group is to discuss co-existence this week and resolve in March.
- No formal action to be taken with this week.
- Appears that co-existence this is moving into regulations process.
- Please review 1.2, Compatibility and Coexistence (see document) with your group
- This particular section will come up for vote this week.

Proposal is to have a top-level clause for the 5C and to update to reflect the current state of our groups and technology.

11.2 IEEE 802 LMSC Approval

From 11.2 in the OM, change the second paragraph as shown:

Approval of the PAR by the EC is contingent on inclusion of accepted responses describing how the proposed PAR meets the five criteria ~~and a work plan for the development of managed object definitions, either as part of the PAR or as a part of an additional PAR~~. PARs which introduce no new functionality are exempt from the requirement to provide responses to the five Criteria. Examples of such PARs are: Protocol Implementation Conformance Statements (PICS), Managed Object Conformance Statements (MOCS), PARs to correct errors, and PARs to consolidate documents.

Replace 11.5 Criteria for Standards Development (Five Criteria) with the following as Clause 12 (changes from existing 11.5 are shown)

1. Criteria for Standards Development (Five Criteria)

1.1 Broad Market Potential

A standards project authorized by IEEE 802 LMSC shall have a broad market potential. Specifically, it shall have the potential for:

a) Broad sets of applicability.
b) Multiple vendors and numerous users.
c) ~~Balanced costs (LAN versus attached stations).~~

Rationale: Balanced costs doesn't apply to much of what we do today. However, the broad set of applicability and multiple vendors is still relevant.

1.2 Compatibility <u>and Coexistence</u>

IEEE 802 LMSC defines a family of standards. All standards should be in conformance <u>with</u> ~~:~~ IEEE Std 802, IEEE 802.1D, and IEEE 802.1Q. If any variances in conformance emerge, they shall be thoroughly disclosed and reviewed with IEEE 802.1 Working Group <u>prior to submitting a PAR to the Sponsor</u>. ~~In order to demonstrate compatibility with this criterion, the Five Criteria statement must answer the following questions:~~

a) <u>Will</u> ~~Does~~ the proposed standard ~~PAR mandate that the standard shall~~ comply with IEEE Std 802, IEEE Std 802.1D and IEEE Std 802.1Q?
b) If <u>the answer to a) is no,</u> ~~not,~~ supply the response ~~how will the Working Group ensure that the resulting draft standard is compliant, or if not, receives appropriate review~~ from the IEEE 802.1 Working Group.

Rationale: Modified by the group.

<u>If the PAR proposes a wireless standard for unlicensed operation, the a WG proposing a wireless project is required to demonstrate coexistence through the preparation of a Coexistence Assurance (CA) document unless it is not applicable. Accordingly, the Five Criteria statement shall answer the following questions:</u>

    a) Will the WG create a CA document as part of the WG balloting process?
    b) If not, explain why the CA document is not applicable.

Rationale: We want to retain 5C (not 6C) and it currently is in a strange position. Coexistence and compatibility seem similar enough to share a 5C, plus the questions are similar.

The Five Criteria statement shall describe the plan for developing a definition of managed objects as part of the project, or part of a different project, or explain why such a definition is not needed.

Rationale: We have required this, but it is not typically reviewed during PAR approval. Putting it in the 5C will assist us in ensuring that this requirement is met.

1.3 Distinct Identity

Each IEEE 802 LMSC standard shall have a distinct identity. To achieve this, each authorized project shall ~~be:~~ state why it is substantially different from other IEEE 802 LMSC standards.

    a) ~~Substantially different from other IEEE 802 LMSC standards.~~
    b) ~~One unique solution per problem (not two solutions to a problem).~~
    c) ~~Easy for the document reader to select the relevant specification.~~

Rationale: b) applies more to the finished draft, rather than the PAR. Plus, I think that a lot of our standards violate the letter of this, there are often multiple options in a standard that solve basically the same problem. This seems to be an outgrowth of our desire to obtain consensus.

Rationale: c) doesn't make sense, this implies that it is the title that matters.

Finally, if we delete 2 out of the 3 list items, we should make it just single sentence.

1.4 Technical Feasibility

For a project to be authorized, it shall be able to show its technical feasibility. At a minimum, the proposed project shall show:

    a) Demonstrated system feasibility.
    b) Proven similar technology, ~~reasonable testing,~~ via testing, modeling, simulation, etc.
    c) ~~Confidence in reliability.~~

Rationale: Typically we specify standards for emerging technology, which has not yet been proven when the PAR is proposed. Similar technology typically has been demonstrated. The term "reasonable testing" seems very difficult to quantify. Finally, with respect to reliability, I will simply quote Gilb's 4th law on unreliability (distant relation, we think) , "Investment in reliability will increase until it exceeds the probable cost of errors, or until someone insists on getting some useful work done."

~~1.4.1.1 Coexistence of IEEE 802 LMSC wireless standards specifying devices for unlicensed operation~~

- ~~A WG proposing a wireless project is required to demonstrate coexistence through the preparation of a Coexistence Assurance (CA) document unless it is not applicable.~~
- ~~The WG will create a CA document as part of the WG balloting process.~~
- ~~If the WG elects not to create a CA document, it will explain to the Sponsor the reason the CA document is not applicable.~~

Rationale: This doesn't really belong here, so I suggest moving it to the Compatibility section.

1.5 Economic Feasibility

For a project to be authorized, it shall be able to show economic feasibility (so far as can reasonably be estimated) for its intended applications. At a minimum, the proposed project shall show:

a) Known cost factors~~, reliable data~~.
b) Reasonable cost for performance.
c) Consideration of installation costs.

Rationale: For a), the cost factors would be "known" only for similar systems as the proposed system may not yet exist. As far as "reliable data", I will quote Gilb's 2nd law of unreliability, "Any system which depends on human reliability is unreliable."

For c), I don't think we have the expertise to analyze this for the cases where it would matter (e.g., for base stations). Most of our development now goes into closets or is mounted on the wall or ceiling. Installation costs tend to be constant, regardless of the technology that is selected. Hence, it does not really belong here.

5.14	II	802 JTC1 ad hoc update	Kraemer/Myles	5	08:58 AM

Myles gave verbal update. Went to meeting in Graz – to get agreement approved by 802 and JTC-SC6 – uses IEEE for responsibility of revision. 802 needs to put together a process for other bodies to participate in the revision process. Discussion regarding various replacement standards. Will be looked at in more detail.

5.15	II	802 Leadership Workshop Update	Marks	5	09:03 AM

Marks gave verbal update and demonstrated to group where the agenda is on the web (See https://docs.google.com/spreadsheet/ccc?key=0Arb3_3dB_pMCdHJQak1iQzQxODJxcEFiOW1xM2twUWc#gid=0). Verbal overview of agenda. Leads are asked to have slides to frame comments. D'Ambrosia requested adding press releases onto agenda – and agreed to be lead.

5.16	II	IEEE-SA Standard Board Draft Sharing Ad-Hoc	Diab	5	09:08 AM

Diab gave verbal update. Ad hoc had initial call. Summary – no proposal yet. No fundamental objection to sharing but issues discussed. – what are the parameters, cost offset, maturity of draft, what point in timeline. Part of P&P or part of the education of the users? Next call is next week.

Another issue was noted with the 1860 Series.

The scope of the ad hoc is between individual and entity, and does not impact on-going work in 802 regarding sharing documents between individuals and working groups within 802.

Discussion regarding voting or commenting in these instances of sharing. Ad hoc open to proposals to address this. Currently, there are procedures in place that all comments will be considered.

There are copyright issues that will impact the sharing of the documents.
Action Item : Diab provide further updates to EC at conference calls / plenary meetings.

5.17	II	Joint 802 / IETF Meeting Update	Thaler	5	09:13 AM

Nicolich pointed out 1 hour time slot held for in-depth discussion this week.
Meeting on Saturday between IETF and IEEE meetings in March, 2013.
Draft to update RFC 4441 "IEEE / IETF relationship" is nearing completion. Will be released approximately today. Thaler will notify EC when it has been posted to IETF website.

Tuesday evening meeting being removed.

| 5.18 | II | **Future venue contract status** | **Rosdahl** | **5** | **09:18 AM** |

Rosdahl presented slides from EC-12-0063-00.

Motion on slide 5 to be brought forward on Friday.

M5.17: II -- Future venue contract status

- **802 Sponsored Meetings Identified in 802 EC-12/40r2:**
  - **Plan to move March 2014/2016 Atlanta**
    - **Move to January 2015 and January 2016**
    - **Need EC Approval for IEEE 802 Sponsored Interim Session**
  - **Singapore Status – March 2015**
  - **This opens up a slot for 2014 and 2016 for a Non-US/Non-NA venue.**
    - Possible Future locations:
      - Denmark – Copenhagen
      - Sweden – Gothenburg
      - Japan -- Yokohama
      - Germany -- Berlin
      - P.R. China – Beijing
      - P.R. China – Shanghai
      - Ireland , Dublin
      - England, London
      - Korea – Seoul
      - Korea - Daegu (located 150 miles from Seoul)

Move Atlanta Venue to Interim slots

1. **Move our March 15-22, 2014 Plenary Session at HR-ATL to January 10-17, 2015**
   - Hotel room-rate will go from $149./nt Early-bird and $159./nt regular RoH -TO- $169./nt early-bird and $179./nt regular RoH.   (an extra $20. per night)

2. **We will also move our March 12-19, 2016 Plenary Session at HR-ATL to January 16-23, 2016**
   - Hotel room-rate will go from $149./nt Early-bird and $159./nt regular RoH -TO- $179./nt early-bird and $189./nt regular RoH.   (an extra $30. per night)

- **All other prices and concessions will stay intact.**

- **Motion to approve an 802 Sponsored Interim Sessions January 2015 and January 2016 will be made on Friday**

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012

Copenhagen, Denmark

Bella Sky Comwell Hotel & Bella Conference Center

- NUMBER OF MEETING ROOMS: 17 Lg @ Bella Center, 18 Sm @ Bella Sky Hotel
- ESTIMATED FUNCTION SPACE COST: ~$100K includes AV
- AV AVAILABLE: Yes, AV services available on-site.
- NETWORK AVAILABLE: Yes, both Wired & Wireless network with Internet Access available in Meeting spaces and Guest rooms.

- GUEST ROOM BLOCK RECOMMENDED (Y/N): Yes, 500-600 rooms per night
- RECOMMENDED HOTEL(S): Bella Sky Comwell Hotel all-new
- ESTIMATED ROOM RATE: 215€ ($270) sgl, 242€ ($305) dbl incl full breakfast
- Daily Delegate Package Est: ~$108./p/day (Lunch, breaks, snacks) = ~$260K total
- Closest International Airport: Copenhagen Airport (5 min by Metro)
- Secondary Transportation Required: No
- Business Currency & Current Exchange Rate: € (=$1.27) and DK Kroner(=$0.17)
- Incentives (Government, Trade, Tourism etc.): Logistic support fm Visit DK NYC, no sponsors identified yet.

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012

Gothenburg, Sweden

Gothia Towers, Hotel + Swedish Exhibition & Congress Center

- NUMBER OF MEETING ROOMS: 18 @Gothia Towers, and 50 @SE&CC
- ESTIMATED FUNCTION SPACE COST: T.B.D. (~~$200K)
- AV AVAILABLE: Yes, AV services on-site
- NETWORK AVAILABLE: Yes, both Wired & Wireless network with Internet Access
- GUEST ROOM BLOCK RECOMMENDED (Y/N): Yes, 500-600 RoH room block
- RECOMMENDED HOTEL(S): Gothia Towers (>1200 guest rooms)
- ESTIMATED ROOM RATE: ~1250 SEK (=$185 sgl, $215 dbl, incl. breakfast)

- Closest International Airport: Landvetter International Airport (20 min. by bus)
- Secondary Transportation Required: No
- Business Currency & Estimated Exchange Rate: SEK (=$0.148)
- Incentives (Government, Trade, Tourism etc.): none at this time
- Proposal to follow shortly, all construction of 3rd tower complete in 2015.

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012

Berlin, Germany

Estrel Hotel & Conference Center

- NUMBER OF MEETING ROOMS: ~67
- ESTIMATED FUNCTION SPACE COST: T.B.D. (~~$225K)
- AV AVAILABLE: Yes, AV services on-site
- NETWORK AVAILABLE: Yes, both Wired & Wireless network with Internet Access

- GUEST ROOM BLOCK RECOMMENDED (Y/N): Yes, 500-600 rooms of 1125
- RECOMMENDED HOTEL(S): Estrel Berlin
- ESTIMATED ROOM RATE: ~$165. sngl, ~$185. dbl,

- Closest International Airport: Berlin Brandenburg (7.9 miles)
- Secondary Transportation Required: bus or taxi
- Business Currency & Estimated Exchange Rate: € (=$1.27)
- Incentives (Government, Trade, Tourism etc.): T.B.D. none at this time

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012

Yokohama, Japan

Intercontinental Yokohama Grand Hotel & Pacifico Conference Center

- NUMBER OF MEETING ROOMS: 28 @hotel, 56 @CC
- ESTIMATED FUNCTION SPACE COST: ~~$280K
- AV AVAILABLE: Yes, AV services on-site
- NETWORK AVAILABLE: Yes, both Wired & Wireless network with Internet Access

- GUEST ROOM BLOCK RECOMMENDED (Y/N): Yes, 500-600
- RECOMMENDED HOTEL(S): Intercontinental Grand Yokohama
- ESTIMATED ROOM RATE: ~$345. sngl, ~$375. dbl.

- Closest International Airport:
- Secondary Transportation Required:
- Business Currency & Estimated Exchange Rate: 80 JPY (¥) (=$1.00)
- Incentives (Government, Trade, Tourism etc.): T.B.D. none at this time

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012
Beijing, P.R. China
MEETING VENUE: China World Hotel,
MEETING VENUE TYPE: 5-Star Hotel

·NUMBER OF MEETING ROOMS: 33
·ESTIMATED FUNCTION SPACE COST: unnegotiated hotel quote for all meeting space and 600 attendees, 5M RMB(venue plus F&B). Believe this can be reduced to 4M RMB with negotiation, maybe better
·AV AVAILABLE: Out-source
·NETWORK AVAILABLE: Out-source

·GUEST ROOM BLOCK RECOMMENDED (Y/N): Y
·RECOMMENDED HOTEL(S): China World Hotel/Traders/China World Summit Complex
·ESTIMATED ROOM RATE: 1800-2200 RMB unnegotiated at the complex. Guestimate of potential negotiated rate 1500-1800RMB

·Closest International Airport: Beijing Capital International Airport
·Secondary Transportation Required: Taxi or subway
·Business Currency & Estimated Exchange Rate: RMB-Yuan; RMB6 : USD$1
·Incentives (Government, Trade, Tourism etc.): low probability for government support, low to moderate for other sponsorship.

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012
Shanghai, P.R. China
MEETING VENUE: Kerry Parkside Hotel PuDong,
MEETING VENUE TYPE: 5-Star Hotel

· NUMBER OF MEETING ROOMS: 37
· ESTIMATED FUNCTION SPACE COST: unnegotiated hotel quote for all meeting space and 600 attendees, 5M RMB(venue plus F&B). Believe this can be reduced to under 4M RMB with negotiation
· AV AVAILABLE: Out-source
· NETWORK AVAILABLE: Out-source

· GUEST ROOM BLOCK RECOMMENDED (Y/N): Y
· RECOMMENDED HOTEL(S): Kerry Parkside Hotel PuDong
· ESTIMATED ROOM RATE: Hard to pin down this far out but an unnegotiated number is likely

· Closest International Airport: PuDong International Airport
· Secondary Transportation Required: Taxi or subway
· Business Currency & Estimated Exchange Rate: RMB-Yuan; ~RMB6 : USD$1
· Incentives (Government, Trade, Tourism etc.): low to medium potential as well as for private sponsorshop

Proposed Future Venues for IEEE 802 Plenary Sessions
Presented at Grand Hyatt San Antonio, November 2012

ADDITIONAL MEETING VENUE OPTIONS
MARCH 2014, MARCH 2015 and MARCH 2016

- IRELAND
- - Dublin Convention Centre
- - Ballsbridge Complex – Royal Dublin Society

- LONDON, ENGLAND
- - HILTON METROPOLE (IETF IS BOOKED FOR THE DATES OF MARCH 2-7, 2014)

- SEOUL, KOREA
- - More details to follow.

- DAEGU, KOREA (located 150 miles from Seoul)
- - DAEGU EXHIBITION CONVENTION CENTER

AT THE PRESENT, FACE TO FACE EVENTS IS WAITING FOR ADDITIONAL MEETING
SPECIFICATIONS AND PRICING FROM THE VENUES LISTED ABOVE

Strawpolls – Any objections for this location for non- US based Plenary
#1 - Denmark – 1 objection plus discussion
#2 – Gothenburg, Sweden – no objections
#3 – Berlin, Germany – no objections
#4 – Yokohama, Japan – 6 objections
#5 - Beijing P.R. China – no objections
#6 – Shanghai, P.R. China - 6 objections
#7 – Dublin – insufficient information
#8 – London, England – insufficient information
#9 – Seoul Korea – insufficient information
#10 – Daegu, Korea – insufficient information

Model will be there will be a meeting fee. Some locations will not dictate a hotel choice, others may.
This will be discussed at 12:300 to 1:30 on Wed for further discussion. Objections voiced to the
nature of the strawpolls, due to the lack of information. General sense that there should be
agreement on budget first- and that should dictate property elimination.

Rosdahl presented slides from EC-12-0063-00.

M5.18: II -- Geneva 2013 Expectation

- **Budget expectations**
  - ITU contribute over CHF$345,000 toward mtg room charges
  - Remaining Expenses: $**270,437.18**
    - With 700 attendees, approx cost would be $370 per attendee.
- **Hotel should be booked early – No Mandatory Hotel or Block**
  - http://www.itu.int/travel/accommodations.asp
- **Meeting Rooms located**
  - ITU Headquarters
  - CICG - International Conference Centre, Geneva
  - CCV – Conference Centre Venue
- **Evening Meetings will only be in the ITU buildings**
- **Security Badges from ITU as well as an IEEE Mtg Badge**
- **No F&B or Social sponsored**
  - Coffee and breaks would be on your own
- **We have contacted the Manotel Hotel Chain for possible block for Staff and EC members – still negotiating**

ITU

- **The ITU has 3 buildings with meeting rooms.**
- **Montbrillant**
  - Meeting rooms:
    - H1, H2, K1, K2, L1, L2, M1, M2.
  - **Other**: Library (0900-1200, 1400-1700 hours).
- **Varembé**
  - Meeting rooms:
    - A, E, G1, G2, G3.
  - **Other** : TIES helpdesk, medical services.
- **Tower**
  - Meeting rooms:
    - B, C, D, T101, T102, T103.
  - **Other** : Bookshop.

Centre International de Conférence Genève (CICG)

- **CICG overview**
  - 27 conference rooms from 20 to 2'200 seats
  - 8 rooms fully equiped for interpretation (fixed cabins)
  - 45 offices
  - 4000 sqm of exhibition space
  - 1 restaurant - M!P Restaurants - with 400 seats and a nice terrace of 800 sqm
  - 1 "Espace Voyage" offering every day various menus from all over the world
  - 1 bar/kiosk
  - 1 security management centre
  - 1 public parking lot with 1200 parking spaces
- **Website:**
  - http://www.cicg.ch/en/

Centre de Conférences de Varembé (CCV)

- **A few steps away from the International Conference Centre Geneva(CICG); the CCV can host meetings and conferences for groups of 15 to 200 participants.**
- **The CCV consists of 5 conference rooms, 3 of which are equipped for simultaneous translation (5 to 6 booths).**
- **These rooms, designed to offer optimal flexibility, are high-ceilinged and enjoy natural daylight.**

5.20	II	Host Guidelines status update		Rosdahl/Rigsbee	5	09:28 AM

Rosdahl presented slides from EC-12+0063-00.

M5.19: II -- Host Guidelines status update

- Requests for bids sent to several hotels with Sponsor info for possible Local Government/tourist bureau sponsorship.
- Need to get Each WG chair to advertise possible Sponsorship opportunities – See doc:802-EC-12/46r1
  - https://mentor.ieee.org/802-ec/dcn/12/ec-12-0046-01-00EC-plenary-sponsor-invitation-letter.pdf

Submission   Slide 17   Jon Rosdahl, CSR

5.21	II	802 e-tools status update		Boyce/Rosdahl	5	09:33 AM

Boyce was not present. Material presented by McCabe.

IEEE STANDARDS ASSOCIATION   ◆IEEE

Standards Development Solutions & ETools Update

IEEE-SA 802 EC – November 2012 Plenary

DCN:

2012

- ## Communications Plan (Jon R and Christina B)
  - Meet monthly review/clarify/discuss issues & updates
  - 2 ePoll Tickets (under review)
  - 1 Mentor Ticket (scheduled)
  - 4 myProject Tickets (under review)
  - 5 Attendance Tool Tickets (1 complete needs testing, 1 scheduled, 3 under review)

- ## Recent changes (highlights)
  - Roles enhanced/expanded
  - Manage My PARs – action bug fixed
  - Attendance Admins can manage their own account
  - Attendance bug counting credits
  - Attendance UI fix with double click removing attendance
  - ePoll multiple choice selection

2012 – Project Update

- ## Sponsor Ballot Offline Comment Resolution (David Law, Jon Rosdahl, Adrian Stephens)
  - Development in process
  - Possible beta with 802.3 in January 2013
  - Scheduled roll out: delayed

QUESTIONS?

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

Submit Issues to : solutions-support@standards.ieee.org

5.22	II	Open Stand Status / World Conference on International Telecommuncations (WCIT-12) Preparation Update	McCabe	5	09:38 AM

McCabe gave verbal update on Item 5.22, while Rosdahl located slides for 5.21.

OpenStand – Aug 29
Some changes to messaging – partially to change some of the perception that it was a head-to-head effort with the ITU. Also – benefits of community nature and general nature open standards. Look in the '"About" and FAQ sections.
	Reaching out to civil societies, like World Health Organization, Red Cross.
Phase 2 – new phase being pursued to create community around OpenStand
Input from 802 to be discussed. Agreement at EC level of strategic nature to discuss at Workshop.
Modified that standards bodies could be signatory's to the Principals.
Plenary meeting to be eliminated.
Steve Mills / Bob LaBelle / Glen Parsons will be supporting WCIT – and will be doing more in-depth reviews for understanding potential impact on 802.

Chaplin presented the treasurer's report.

Treasurer's Report

2012-11-12

2012 T1 (Jan-Apr) Overview

```
Meeting Surplus/Loss        ($80,777.00)
Other Income                  $1,257.90
Other Expenses               ($6,953.92)
                            ------------
Net Change                  ($86,473.02)

Reserve                     $925,841.51
Petty Cash                    $2,000.00
Singapore Deposit       SGD 215,336.82
```

2012 T1 Meeting Waikoloa Income

IEEE Project 802
Statement of Operations
March 2012 Plenary Session
Waikoloa
As of 05 July 2012

Income	Fee		Actual			Budget			Var	Var %
	Fee	Net	Net Amt	%	Net	Net Amt	%		Var	Var %
Pre-registration	$ 800	1	$ 800	0%	27	$21,600	4%		($20,800)	-96%
Pre-registration (with discount)	$ 500	450	$ 225,000	61%	494	$247,000	65%		($22,000)	-9%
Pre-Registration Early Cancellation	$ (800)	0	$ -	0%			0%			
Pre-Registration Early Cancellation (with discount)	$ (500)	-8	$ (4,000)	-1%			0%			
Pre-Registration Late Cancellation	$ (700)	0	$ -	0%			0%			
Pre-Registration Late Cancellation (with discount)	$ (400)	-11	$ (4,400)	-1%			0%			
Pre-Registration no-show	$ -	-4	$ -	0%			0%			
Web-registration	$ 900	10	$ 9,000	2%	24	$21,600	3%		($12,600)	-58%
Web-registration (with discount)	$ 600	185	$ 111,000	30%	150	$90,000	20%		$21,000	23%
Web-registration Cancellation	$ (800)	0	$ -	0%			0%			
Web-registration Cancellation (with discount)	$ (500)	-4	$ (2,000)	-1%			0%			
Web-registration no-show	$ -	-2	$ -	0%			0%			
Onsite-registration	$ 1,000	2	$ 2,000	1%	24	$24,000	3%		($22,000)	-92%
Onsite-registration (with discount)	$ 700	48	$ 33,600	9%	42	$29,400	6%		$4,200	14%
Student-registration	$ 100	0	$ -	0%	0	$0	0%		$0	
Net Registration Income	$ 570	667	$ 371,000	86%	761	$433,600	90%		($62,600)	-14%
Non-registration Income										
Deadbeat collections			$ -	0%			0%		$0	
Comps, Commissions & Discounts			$ 59,897	14%		$ 50,000	10%		$9,897	20%
Other			$ -	0%	$ -		0%		$0	
Total Session Income			$ 430,897	14%		$ 483,600	10%		($52,703)	-11%

2012 T1 Meeting Waikoloa Expense

IEEE Project 802
Statement of Operations
March 2012 Plenary Session
Waikoloa
As of 05 July 2012

Expenses		Actual			Budget			Var	Var %
Audio Visual		$ 25,975	5%		$ 20,000	4%		$5,975	30%
Bank Charges			0%		$ 300	0%		($300)	-100%
Credit Card Discounts & Fees		$ 19,199	4%		$ 21,680	4%		($2,481)	-11%
Equipment Expenses			0%		$ 2,000	0%		($2,000)	-100%
Get IEEE 802 Contribution (Net paid attendees * $75.00)		$ 50,025	10%		$ 57,075	10%		($7,050)	-12%
Infrastructure			0%		$ 7,000	1%		($7,000)	-100%
Copier			0%			0%		$0	
Electrical		$ 7,806	2%		$ 4,000	1%		$3,806	95%
Phone			0%		$ 500	0%		($500)	-100%
Reg Counters			0%		$ 2,500	0%		($2,500)	-100%
Meeting Administration		$ 69,862	14%		$ 76,870	14%		($6,948)	-9%
Misc Meeting Expenses		$ 1,516	0%		$ 7,700	1%		($6,184)	-80%
Audit			0%		$ -	0%		$0	
Copying			0%		$ 1,000	0%		($1,000)	-100%
Hotel Grats		$ 1,200	0%		$ 1,500	0%		($300)	-20%
Insurance			0%			0%		$0	
Other: Keys, Wireless interim proj.		$ 316	0%		$ 4,800	1%		($4,484)	-93%
Supplies			0%		$ 400	0%		($400)	-100%
Networking		$ 80,918	16%		$ 86,600	16%		($5,682)	-7%
Shipping		$ 17,532	3%		$ 20,000	4%		($2,468)	-12%
Site Survey		$ 6,419	1%		$ -	0%		$6,419	
Social		$ 53,977	11%		$ 87,515	16%		($33,538)	-38%
Food & Beverage		$ 89,452	17%		$ 95,125	17%		($5,674)	-6%
Lunches		$ 96,799	19%		$ 76,100	14%		$20,699	27%
Total Session Expense		$ 511,784	100%		$ 557,965	100%		($46,231)	-8%
Net Session Surplus/(Loss)		$ (80,777)			$ (74,365)				
Lunch Subsidy		$ (66,700)			$ (76,100)				

2012 T1 Other Income

Interest	$1,257.90

2012 T1 Other Expenses

Cash Deposited Fee Reversal	$40.00
802 January Interim LCDs	($4,800.00)
Checks for WFB Checking	($109.42)
J. Carlo: Flowers, donation	($367.42)
D. Loughry: Flowers, donation	($374.47)
M. Sherman, B. Grow: Gifts	($342.61)
University Outreach Setup	($1,000.00)
Total	($6,953.92)

2012 T2 (May-Aug) Overview

Meeting Surplus/Loss	$14,520.49
Other Income	$1,446.85
Other Expenses	($8,138.05)

Net Change	$7,829.29
Reserve	$933,670.80
Petty Cash	$2,000.00
Singapore Deposit	SGD 215,336.82

2012 T2 Meeting San Diego Income

IEEE Project 802
Meeting Budget
July 2012 Plenary Session
San Diego
As of 11 November 2012

Income	Fee	Net	Actual Net Amt	%	Net	Budget Net Amt	%	Var	Var %
Pre-registration	$ 700	15	$ 10,500	3%	10	$7,000	2%	$3,500	50%
Pre-registration (with discount)	$ 400	528	$211,200	56%	450	$180,000	69%	$31,200	17%
Pre-Registration Early Cancellation	$ (700)		$ -	0%			0%		
Pre-Registration Early Cancellation (with discount)	$ (400)	-3	$ (1,200)	0%			0%		
Pre-Registration Late Cancellation	$ (600)		$ -	0%			0%		
Pre-Registration Late Cancellation (with discount)	$ (300)	-12	$ (3,600)	-1%			0%		
Pre-Registration no-show	$ -	-1	$ -	0%			0%		
Web-registration	$ 800	31	$ 24,800	7%	10	$8,000	2%	$16,800	210%
Web-registration (with discount)	$ 500	208	$104,000	27%	150	$75,000	23%	$29,000	39%
Web-registration Cancellation	$ (700)		$ -	0%			0%		
Web-registration Cancellation (with discount)	$ (400)		$ -	0%			0%		
Web-registration no-show	$ -	-1	$ -	0%			0%		
Onsite-registration	$ 900	10	$ 9,000	2%	5	$4,500	1%	$4,500	100%
Onsite-registration (with discount)	$ 600	41	$ 24,600	6%	25	$15,000	4%	$9,600	64%
Student-registration	$ 100	5	$ 750	0%	0	$0	0%	$275	
University Outreach	$ 25	11	$ 275	0%	0	$0	0%	$275	
Net Registration Income	$ 445	882	$380,325	86%	650	$289,500	83%	$90,825	31%
Non-registration Income									
Deadbeat collections			$ -	0%			0%	$0	
Comps, Commissions & Discounts			$ 60,659	14%		$ 60,000	17%	$659	1%
Other			$ -	0%		$ -	0%	$0	
Total Session Income			$440,984	14%		$349,500	17%	$91,484	26%

2012 T2 Meeting San Diego Expense

IEEE Project 802
Meeting Budget
July 2012 Plenary Session
San Diego
As of 11 November 2012

Expenses	Actual		Budget		Var	Var %
Audio Visual	$ 22,036	5%	$ 20,000	6%	$2,036	10%
Credit Card Discounts & Fees	$ 19,611	5%	$ 14,475	4%	$5,136	35%
Equipment Expenses		0%	$ -	0%	$0	
Get IEEE 802 Contribution (Net paid attendees * $75.00)	$ 60,600	14%	$ 48,750	14%	$11,850	24%
Infrastructure	$ 2,436	1%	$ 3,850	1%	($1,414)	-37%
Copier		0%		0%	$0	
Electrical		0%	$ 1,500	0%	($1,500)	-100%
Phone		0%	$ 350	0%	($350)	-100%
Reg Counters	$ 2,436	1%	$ 2,000	1%	$436	22%
Meeting Administration	$ 76,006	18%	$ 62,000	17%	$14,006	23%
Misc Meeting Expenses	$ 1,898	0%	$ 1,900	1%	($2)	0%
Audit		0%	$ -	0%	$0	
Copying	$ 78	0%	$ 200	0%	($122)	-61%
Hotel Grats	$ 1,520	0%	$ 1,200	0%	$320	27%
Insurance		0%		0%	$0	
Other: Keys	$ 300	0%	$ -	0%	$300	
Supplies		0%	$ 500	0%	($500)	-100%
Networking	$ 84,255	20%	$ 81,500	23%	$2,755	3%
Shipping	$ 6,353	1%	$ 12,000	3%	($5,647)	-47%
Site Survey	$ 5,659	1%	$ -	0%	$5,659	
Social	$ 65,093	15%	$ 48,750	14%	$16,343	34%
Food & Beverage	$ 82,516	19%	$ 67,000	19%	$15,516	23%
Lunches	$ -	0%	$ -	0%	$0	
Total Session Expense	$ 428,464	100%	$ 380,225	100%	$66,239	18%
Net Session Surplus/(Loss)	$ 14,520		$ (18,725)			

2012 T2 Other Income

Interest $1,446.85

2012 T2 Other Expenses

```
CPA Time (2011 reconstruction)($2,047.50)
Audit for 2011               ($6,000.00)
Shipping                        ($45.80)
Postage                         ($44.75)

Total                        ($8,138.05)
```

2012 T2 Deadbeat

```
One deadbeat at the meeting.  WG chair and
  Face to Face have been notified.
```

2012 T3 (Sep-Dec) Overview Estimate

Meeting Surplus/Loss	($8,195.00)
Other Income	$1,250.00
Other Expenses	($3,285.41)

Net Change	($10,230.41)

2012 T3 Meeting San Antonio Income Estimate

	IEEE Project 802								
	Meeting Budget								
	November 2012 Plenary Session								
	San Antonio								
	As of 11 November 2012								
			Estimate			Budget		Var	Var %
Income	Fee	Net	Net Amt	%	Net	Net Amt	%		
Pre-registration	$ 700	9	$ 6,300	2%	10	$7,000	2%	($700)	-10%
Pre-registration (with discount)	$ 400	466	$ 186,400	58%	450	$180,000	69%	$6,400	4%
Pre-Registration Early Cancellation	$ (700)	0	$ -	0%			0%		
Pre-Registration Early Cancellation (with discount)	$ (400)	-2	$ (800)	0%			0%		
Pre-Registration Late Cancellation	$ (600)	0	$ -	0%			0%		
Pre-Registration Late Cancellation (with discount)	$ (300)	-13	$ (3,900)	-1%			0%		
Pre-Registration no-show	$ -	0	$ -	0%			0%		
Web-registration	$ 800	23	$ 18,400	6%	10	$8,000	2%	$10,400	130%
Web-registration (with discount)	$ 500	205	$ 102,500	32%	150	$75,000	23%	$27,500	37%
Web-registration Cancellation	$ (700)	0	$ -	0%			0%		
Web-registration Cancellation (with discount)	$ (400)	-2	$ (800)	0%			0%		
Web-registration no-show	$ -	0	$ -	0%			0%		
Onsite-registration	$ 900	0	$ -	0%	5	$4,500	1%	($4,500)	-100%
Onsite-registration (with discount)	$ 600	18	$ 10,800	3%	25	$15,000	4%	($4,200)	-28%
Student-registration	$ 100	0	$ -	0%	0	$0	0%		
University Outreach	$ 25	0	$ -	0%	0	$0	0%		
Net Registration Income	$ 445	704	$ 318,900	86%	650	$289,500	84%	$29,400	10%
Non-registration Income									
Deadbeat collections			$ -	0%			0%	$0	
Comps, Commissions & Discounts			$ 53,000	14%		$ 55,000	16%	($2,000)	-4%
Other			$ -	0%		$ -	0%	$0	
Total Session Income			$371,900	14%		$344,500	16%	$27,400	8%

2012 T3 Meeting San Antonio Expense Estimate

Expenses		Estimate		Budget		Var	Var %
		\$	IEEE Project 802				
			Meeting Budget				
			November 2012 Plenary Session				
			San Antonio				
			As of 11 November 2012				
Audio Visual		\$ 23,500	6%	\$ 23,500	6%	\$0	0%
Credit Card Discounts & Fees		\$ 15,945	4%	\$ 14,475	4%	\$1,470	10%
Equipment Expenses		\$ -	0%	\$ -	0%	\$0	
Get IEEE 802 Contribution (Net paid attendees * \$75.00)		\$ 52,800	14%	\$ 48,750	13%	\$4,050	8%
Infrastructure		\$ 2,500	1%	\$ 2,200	1%	\$300	14%
Copier		\$ -	0%	\$ -	0%	\$0	
Electrical		\$ -	0%	\$ -	0%	\$0	
Phone		\$ -	0%	\$ -	0%	\$0	
Reg Counters		\$ 2,500	1%	\$ 2,200	1%	\$300	14%
Meeting Administration		\$ 56,500	15%	\$ 62,000	16%	(\$5,500)	-9%
Misc Meeting Expenses		\$ 2,350	1%	\$ 2,350	1%	\$0	0%
Audit		\$ -	0%	\$ -	0%	\$0	
Copying		\$ 300	0%	\$ 300	0%	\$0	0%
Hotel Grats		\$ 1,200	0%	\$ 1,200	0%	\$0	0%
Insurance		\$ -	0%	\$ -	0%	\$0	
Other: Keys		\$ 350	0%	\$ 350	0%	\$0	0%
Supplies		\$ 500	0%	\$ 500	0%	\$0	0%
Networking		\$ 81,000	21%	\$ 82,500	22%	(\$1,500)	-2%
Shipping		\$ 8,000	2%	\$ 9,000	2%	(\$1,000)	-11%
Site Survey		\$ 8,500	2%	\$ 8,500	2%	\$0	0%
Social		\$ 45,900	12%	\$ 41,000	11%	\$4,900	12%
Food & Beverage		\$ 83,100	22%	\$ 81,500	22%	\$1,600	2%
Lunches		\$ -	0%	\$ -	0%	\$0	
Total Session Expense		\$ 380,096	100%	\$ 376,776	100%	\$4,320	1%
Net Session Surplus/(Loss)		\$ (8,196)		\$ (11,276)			

2012 T3 Other Income Estimate

Interest	$1,250.00

2012 T3 Other Expenses Estimate

DVD-ROM production	($1,085.41)
P1905.1 Draft Access	($1,200.00)
Other	($1,000.00)
Total	($3,285.41)

2013 Geneva Expenses

Site Surveys	($16,543.79)

5.24	II	IEEE 802 University Outreach status update	Law	5	09:48 AM

Law gave verbal update – no registrations at this point. 2 students from Rice expected.

5.25	II	CD ROM Agreement	D'Ambrosia / Bennett	5	09:53 AM

D'Ambrosia gave verbal update. There was no objections to adopting a September 30 deadline. Gilb proposed adding appropriate text into Chair's Guidelines.

5.26	II	Single copy sales of PDF status update	McCabe	5	09:58 AM

Postponed until task force meeting.

5.27	II	Document publication priority update	McCabe/Nikolich	3	10:03 AM

Postponed until task force meeting.

5.28	II	SA International Activities Update	McCabe	5	10:06 AM

Haasz presented slides.
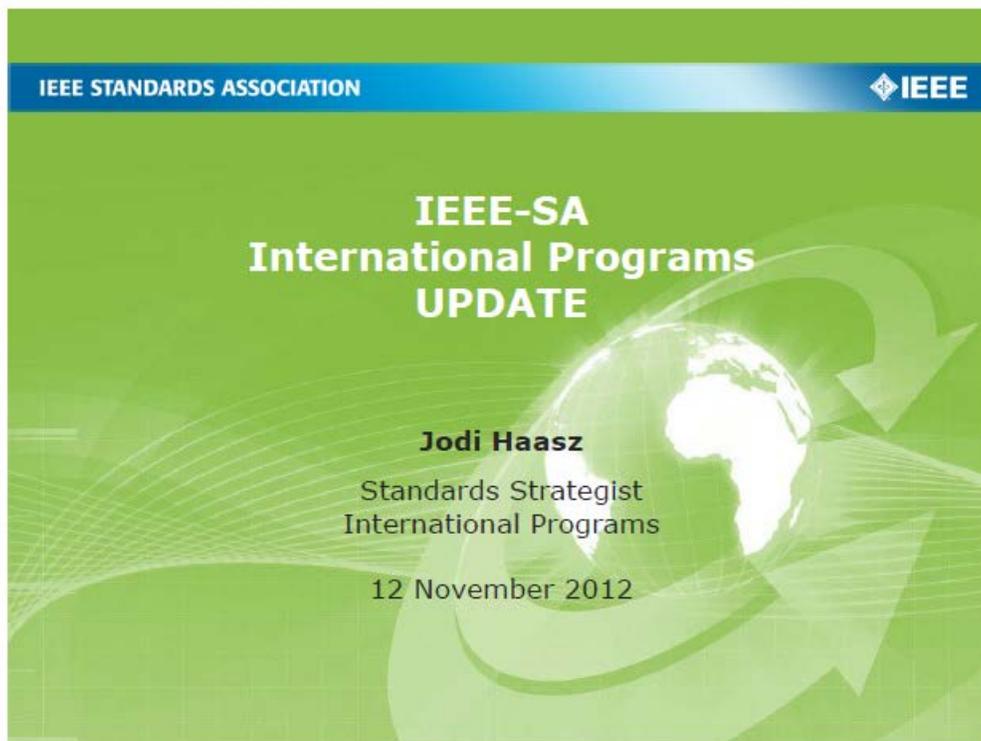
ITEMS

802 EC

- JTC 1/SC 6
- Document from DKE (Germany)
- July 2013 802 Plenary in Geneva
- ITU Patent Roundtable

802 Task Force

- Renewal of ETSI MoU
- 802 External Liaisons
- ITU Activities
- ITU-T and −R Technical Liaisons

802 EC

Recent Activities

JTC 1

- SC 6
    - Accompanied IEEE 802 delegation to September meeting in Graz, Austria
        - Report provided under the 802 JTC 1 Standing Committee
- SC 31
    - Address request from ISO/IEC JTC 1/SC 31 working groups regarding use of IEEE 802.15.4-2011 standards (amendments)
        - Still in progress but close to resolution

DKE (Germany)

- Document related to 802.3 under discussion

July 2013 802 Plenary

- ITU-T has indicated an interest in holding a joint workshop Saturday prior to 802 Plenary

Recent Activities (Cont'd)

ITU Patent Roundtable

- Held 10 October 2012
- http://www.itu.int/en/ITU-T/Workshops-and-Seminars/patent/Pages/default.aspx

802 Task Force

Recent Activities

Renewal of ETSI MoU

-Proposed mapping has been shared with the 802 WG Chairs

-Next step – chairs to discuss with their working groups (mainly .3, .11, .15, .16, .22), so that we can then confirm the mapping (as is or with requested changes)

802 External Liaisons

- Compiling list in accordance with IEEE 802/IEEE-SA International Communications Plan

  - Awaiting responses from 802.11, 802.19, 802.21 and 802.22

  - Many groups reporting have a list of organizations they work with, list of individual liaisons not maintained

ITU Activities

IEEE/ITU-T Joint Workshop on Ethernet - Emerging Applications and Technologies

- Held 22 September in Geneva, Switzerland
- 99 attendees

Preparation for ITU Meetings in Dubai

- Global Standards Symposium (GSS-12)
- World Telecommunication Standardization Assembly (WTSA-12)
- World Conference on International Telecommunications (WCIT-12)

ITU-T and ITU-R Technical Liaisons

Historically IEEE-SA had one designated person serve as the Technical Liaison to ITU-T and ITU-R

- IEEE-SA staff serves as the Administrative Liaison

Multiple IEEE sponsors interested in the work of ITU

Staff recommends each sponsor appoint a liaison to the relevant area in ITU for which there is interest

- Current liaison appointed from Power & Energy Society/Surge Protective Devices Committee; to ITU-T/SG5- Climate Change/WP1-Damage Prevention & Safety & WP2-Electromagnetic Fields: emission, immunity and human exposure

Action Item from July 2012 802 EC Meeting

- ITU-T and –R Technical Liaison Position Descriptions

IEEE-SA International Programs

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

For more information, contact:

Jodi Haasz

Standards Strategist

j.haasz@ieee.org

ITU-T has indicated interest in holding a joint workshop. Conversation deferred to task force meeting

Law reported on a VDE 'pre-norm', which is not a standard, in relation to Gigabit Ethernet over POF. DKE has submitted a liaison letter to IEEE 802.3 in relation to this document. This is will be discussed at the IEEE 802.3 opening plenary this afternoon.

ITU Patent Roundtable.- Law gave verbal report. He attended as an observer for the IEEE. The presentation from the workshop can be found at the URL - http://www.itu.int/en/ITU-T/Workshops-and-Seminars/patent/Pages/agenda.aspx.

5.29	DT	Disaster Recovery	Nikolich / DAmbrosia	5	10:11 AM

Walter / Gil / Karen will hold an Open Office Meeting to discuss plans on disaster recovery.
Tuesday / Wed: 8:30 – 10:30, 12 – 1, 3 – 4 pm,

Nikolich to send out email to reflector with times

IEEE is reviewing fail-over plans

D'Ambrosia reminded EC members to send secondary contact information (phone, email) to him.

5.30	II	Get IEEE 802 Update	McCabe	5	10:16 AM

Deferred to Task Force Meeting

5.31	II	OUI registries	Parson	2	10:21 AM

Parsons presented EC-12-0061-00.
Individuals are welcome to attend this week's RAC Meeting.
Provide any feedback to Geoff / Clint (vote on behalf of 802)

RAC Members

- Glenn Parsons, Chair
- Geoff Thompson, (LMSC prime) IEEE 802
- Clint Chaplin, (LMSC alternate) IEEE 802
- Bob Davis, (MSC prime)
- Leonard Tsai, (MSC alternate)
- Tom Kurihara, (VTS / ITS prime) IEEE 1609
- Geoffrey Garner , (I&M prime) IEEE 1588
- George Riley, ex-officio (CS SAB)

Staff
  - Angela Thomas, RAC Secretary
  - Karen Lambert, Registrar

Current OUI based identifiers

- Company_id is a 24-bit OUI value assigned by the IEEE-RA
- CDI-32™ is a concatenation of a 24-bit OUI value assigned by the IEEE-RA and an 8-bit extension identifier assigned by the organization with that OUI assignment.
- TCDI-40™ is a concatenation of a 24-bit OUI value assigned by the IEEE-RA and a16-bit extension identifier assigned by the organization with that OUI assignment.
- MAC-48 (obsolete label) / EUI-48™ is a concatenation of a 24-bit OUI value assigned by the IEEE-RA and a 24-bit extension identifier assigned by the organization with that OUI assignment.
- EUI-60 (deprecated) is a concatenation of a 24-bit OUI assigned by the IEEE-RA and a 36-bit extension identifier assigned by the organization with that OUI assignment.
- EUI-64™ is a concatenation of the 24-bit or 36-bit OUI value assigned by the IEEE-RA and a 40-bit or 28-bit extension identifier assigned by the organization with that OUI assignment.
- IPv6 is a concatenation of a 64-bit EUI-64™ (derived from a MAC-48/EUI-48™) and a 64-bit extension identifier assigned by the device with the MAC-48/EUI-48 ™ assignment.

Current creation

Identifier	registry	OUI:ID
• Company_id	OUI	*1:1*
• CDI-32	OUI	
• TCDI-40	OUI, OUI36	
• MAC48/EUI48	OUI	*1:16M*
	IAB, OUI36	*1:4K*
• EUI60	OUI	
• EUI64	OUI, OUI36	*1:1T*
• IPv6	OUI, IAB, OUI36	

Some identifiers (e.g., Company_id) can only be created from one registry

Rationale for change

- RAC "Prime directive"
  - Do not run out of global MAC48 addresses for 100 years
    - ~250 billion EUI48 (of ~70 trillion possible) addresses have been assigned
- Volume
  - A few vendors are volume users
    - >32M MAC (EUI-48) addresses assigned per month
  - Most other vendors would prefer a more options as they use less
    - This would reduce "lost" or "unused" addresses
- Virtualization
  - Usage of global MAC (EUI-48) addresses by software
    - Traditionally RAC limited vendors to only a few per hardware device
  - Reuse of global MAC (EUI-48) addresses per rack / cluster / data center
    - Guidance needed, even though this is not permitted
  - Assignment of address blocks to data centers (instead of vendors)
- Future
  - Explore feasibility of "EUI-128" identifier for VMs

Proposal

- Maintain existing OUI & OUI-36 registries
- Create new registries for EUI-48 sizes
  - 16M, 1M, 4K, 1
- Disconnect addresses from Company identifier
  - Assign 24 & 36 bit Company identifiers without addresses
  - Assign these within the "local space"
- Suggest VMs create addresses based on new Company identifiers in the "local space"
  - Resulting in reusable local addresses, with some organization
- Rework pricing structure accordingly…

New Proposed OUI-based Registries

- OUI   *existing*
- OUI-36   *existing*
- CompanyID-24
- CompanyID-36
- Addresses-A (48 bit)
- Addresses-B (36 bit)
- Addresses-C (28 bit)
- Addresses-D (24 bit)

Registry	EUI48	EUI64
Addresses-A	1	65536
Addresses-B OUI36	4096	268435456 ~270 million
Addresses-C	1048576 ~1 million	68719476736 ~69 billion
Addresses-D OUI	16777216 ~16 million	1099511627776 ~1 trillion

RAC Proposal – October 2012

- Key Identifiers
  1. 24 bit Company ID
  2. 36 bit Company ID
  3. 48 bit EUI-48 address
  4. 64 bit EUI-64 address

- Existing Registries
  - OUI : 1, 3, 4
  - OUI-36: 2, 3, 4

- New Registries:
  - Addresses Size A: 3, 4
  - Addresses Size B: 3, 4
  - Addresses Size C: 3, 4
  - Addresses Size D: 3, 4
  - Company ID 24 bit: 1
  - Company ID 36 bit: 2

- Alternative A
  - Addresses registries
    - Do not include company ID assignment, they are reserved for other use
  - Company ID registries
    - Do not include address assignments
    - Values taken from address registries

- Alternative B ✔
  - Addresses registries
    - Do not include company ID assignment, they are reserved for IEEE RA (and left unassigned for now)
  - Company ID registries
    - Do not include address assignments
    - Values taken from local space
  - Virtualization
    - Data centers are sold "CompanyIDs" and may use these to create addresses in the local space

Process

- RAC & RAP (sub-groups of the IEEE-SA BOG) working together to develop reorganization of the OUI set of registries
  - Awaiting recommendation from consultant
  - Registry structure proposal will be socialized with customers and WGs seeking feedback on impact

- Evaluate feedback and finalize proposal
  - Discussion during Nov 8th RAC meeting

- BOG would like to approve reorganization and pricing in Dec 2012, or Mar 2013 at the latest

Nikolich showed current agenda. Revised agenda to be sent out, based on revisions made during the meeting.

802 Task Force

- 802 Task Force, Thurs 10AM-Noon (room: tbd)
  - Tentative agenda
  1. Retention and access for old drafts/SA policy (Gerdon/Kraemer)
  2. Contract execution status/cumbersome process (McCabe/Rosdahl)
  3. Document publication priority update (Turner)
  4. IEEE-SA/ETSI MoU renewal update (McCabe)
  5. International Activities Update (Haasz)
  6. World Conference on International Telecommunications status (McCabe)
  7. IEEE SA Etools update (Peinciak)
  8. Single Copy Sales Channel--update (McCabe/Nikolich)
  9. getIEEE 802 update (McCabe)
  10. SEPT Security Breach, NOV Facility/IT Failure discussion (Gil Santiago)
  11. Any Other Business?
  12. Action item review – Nikolich
  13. Adjourn

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5.33	II	EC meeting schedule (rules, SA, etc.)	Nikolich	3	10:23 AM

Nikolich showed current agenda. Revised schedule to be sent out.

EC meetings for the week
(meeting rooms: Crocket A, Republic C)

- Sunday 7:30-9:30pm   LMSC Rules Review (Crocket A)

- Monday 1:30-3:30pm   802 Architecture (room: Seguin A)
- Monday 4-6pm   open

- Tuesday 8-9am   University Outreach Orientation (room: Republic C)
- Tuesday noon-1pm   open
- Tuesday 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, room: Crocket A)
- Tuesday 3pm-4pm   July 2013 Geneva venue preparation
- Tuesday 4-6pm   open
- Tuesday 4-5pm   University Outreach Feedback(room: Republic C)
- Tuesday 8-9pm   Joint 802/IETF leadership follow-up/discussion (try to find a better time)
- Tuesday 9-10pm   Global Standards Update/WCIT SA objectives discussion (try to find a better time)

- Wed noon-1pm   Future Plenary Session Venue options review
- Wed 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, room tbd)
- Wed 3:30-4:30pm   open
- Wed 4:30-6pm   open

- Thursday 10:30-12:30pm   802 Architecture (room: Seguin A)
- Thursday 10-noon   IEEE 802 Task Force (room: Crocket A)
- Thursday 1:30pm-3:30pm   JTC1/SC6 ad hoc (cross 802 related topics, room: Crocket A)
- Thursday 5-10pm   Registration Authority Committee room: Goliad
  (SA BoG subcommittee mtg, invite only)

- Friday 10am-11am   open   19

5.34	II	Action Item Review	Nikolich / DAmbrosia	5	10:26 AM

Action Item summary from this meeting.
- Action item – Bob Heile – contact Hiroshi Harada about establishing liaison between P1900.4.1 and 802.
- Action Item : Diab provide further updates to EC at conference calls / plenary meetings.

Completion of agenda.
Meeting adjourned at 10:30am.