

Agenda and General Information

IEEE P802.3bn EPoC PHY Task Force

Mark Laubach

laubach@broadcom.com

ITU – Geneva, Switzerland

July 16th – 18th 2013

Agenda

- Welcome and Introductions
- Review and approve March 19-21, 2013 Minutes
- Goals for this meeting
- Reflector and Web, Task Force Private Area
- Ground Rules
- IEEE
 - Structure, Bylaws and Rules
 - Call for Patents
 - Affiliation
- Attendance
- Liaisons and Communications
- Business since last meeting and Status
- Presentations
- Approve Agenda
- Closing Business
- Future Meetings

REVIEW / APPROVE MINUTES

From: 15-17 May 2013 Victoria, BC, Canada meeting

[unconfirmed_minutes_3bn_01c_0513.pdf](#)

Approve Minutes

- Motion to approve minutes from 15-17 May 2013, Victoria, BC meeting: [unconfirmed_minutes_3bn_01c_0513.pdf](#)
 - Moved:
 - Seconded:

Task Force Decorum



- Photography or recording by permission only (2010 SASB Op Manual 5.3.3.4)
- Cell phone ringers off
- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (5.3.3.5)
- Wear your badges at all times in meeting areas
 - Help the hotel security staff improve the general security of the meeting rooms
 - **PCs HAVE BEEN STOLEN** at previous meetings
 - **DO NOT** assume that meeting areas are secure
- Please observe proper decorum in meetings

Goals for this meeting

- Move along all work
- Review / approve Editor team work
- Approve additional Technical Decisions
- Approve additional Baseline proposals
- Exit meeting with Call for Topics and focus for next meeting

Reflector and Web

- Method 1: To subscribe to the EPoC reflector, send an email to:

ListServ@ieee.org

with the following in the body of the message (do not include “<>”):

subscribe stds-802-3-epoc <yourfirstname> <yourlastname>
end

- Method 2: Visit Task Force web page URL:
 - <http://www.ieee802.org/3/bn>
 - Follow link: “Subscribing and unsubscribing to the e-mail reflector”
 - Follow link: “ListServ web interface”
- Send EPoC email reflector messages To:
 - stds-802-3-epoc@listserv.ieee.org

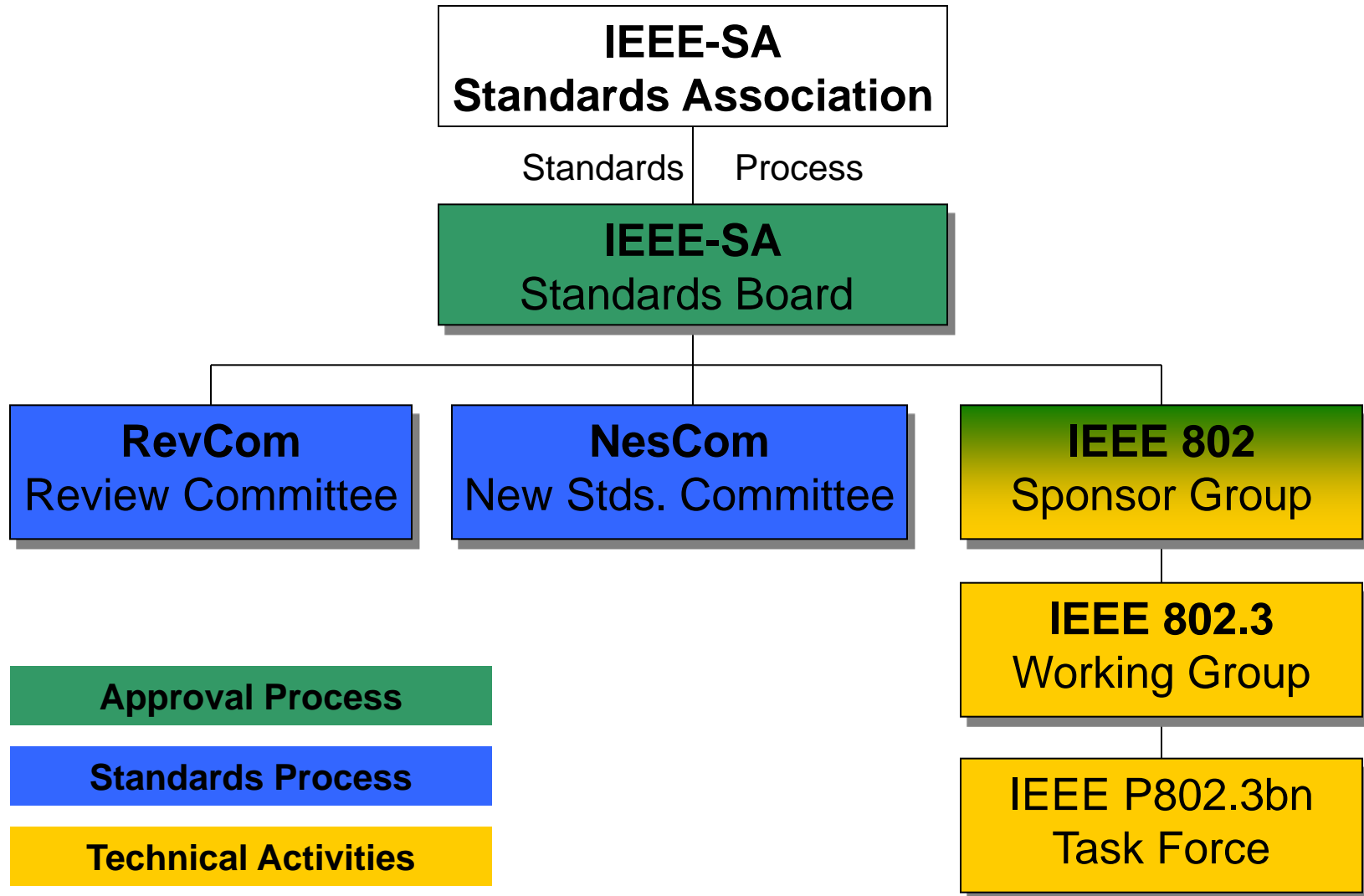
Task Force Private Area

- URL: <http://www.ieee802.org/3/bn/private>
 - Username: 802.3bn
 - Password: xxxx
- There are no private documents at this time
- Expected use: Task Force drafts

Ground Rules

- Based upon IEEE 802.3 Rules
 - Foundation based upon Robert's Rules of Order
 - Anyone in the room may speak
 - Anyone in the room may vote
- **RESPECT**... give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
 - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

IEEE Structure



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**

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>



Call for Potentially Essential Patents

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

Other Guidelines for IEEE WG Meetings

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

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



Affiliation

- IEEE-SA Standards Board By-Laws, Section 5.2.1.5
–(<http://standards.ieee.org/guides/bylaws/sect5.html>)
- Disclosure of Affiliation
–“Every member and participant in a working group, Sponsor ballot, or other standards development activity shall disclose his or her affiliation.”
- What is “Affiliation”
–“An individual is deemed "affiliated" with any individual or entity that has been, or will be, financially or materially supporting that individual's participation in a particular IEEE standards activity. This includes, but is not limited to, his or her employer and any individual or entity that has or will have, either directly or indirectly, requested, paid for, or otherwise sponsored his or her participation.”
- Affiliation and participation
–“Failure to disclose every such affiliation may result in complete or partial loss of rights to participate in IEEE-SA activities. An individual is not excused from compliance with this policy by reason of any claim of a conflicting obligation (whether contractual or otherwise) that prohibits disclosure of affiliation.”

Attendance

- Tutorial Material on attendance tool
 - http://iee802.org/3/minutes/mar11/0311_imat.pdf
- URL: <https://imat.ieee.org>
 - IEEE account login and password required
 - Sign in to “Attendance Tool”

Liaisons and Communications

- None.

ePoll Straw Poll Trial usage

- 25 questions since last meeting
 - 19 RF Spectrum
 - 4 TDD
 - 1 PHY
 - 1 PHY Link
- Still: limited participation from Task Force
- What does it take to get more participation?

Heads up on Error Performance Objective

(From Last Meeting)

- Expect some harmonization rework on stating error performance objectives: 802.3bj, 802.3bm, 802.3bn:
 - Move reference point from MAC/PLS to “FEC” service interface
 - Add statement for Mean Time To False Packet Acceptance (MTTFPA)
- Impact on EPoC Task Force
 - Complete FEC selection and run our numbers
 - Based on LDPC, soft decisions, UBLER (undetected block error rate), etc.
 - Expect mechanisms added to meet 802.3 MTTFPA expectations
 - Meeting customer service objectives and as well as MTTFPA
 - Expect Objective update discussions starting in July
- Thanks to Peter Anslow, Marek Hajduczenia for alerting
 - and Rich Prodan for initial socialization understanding

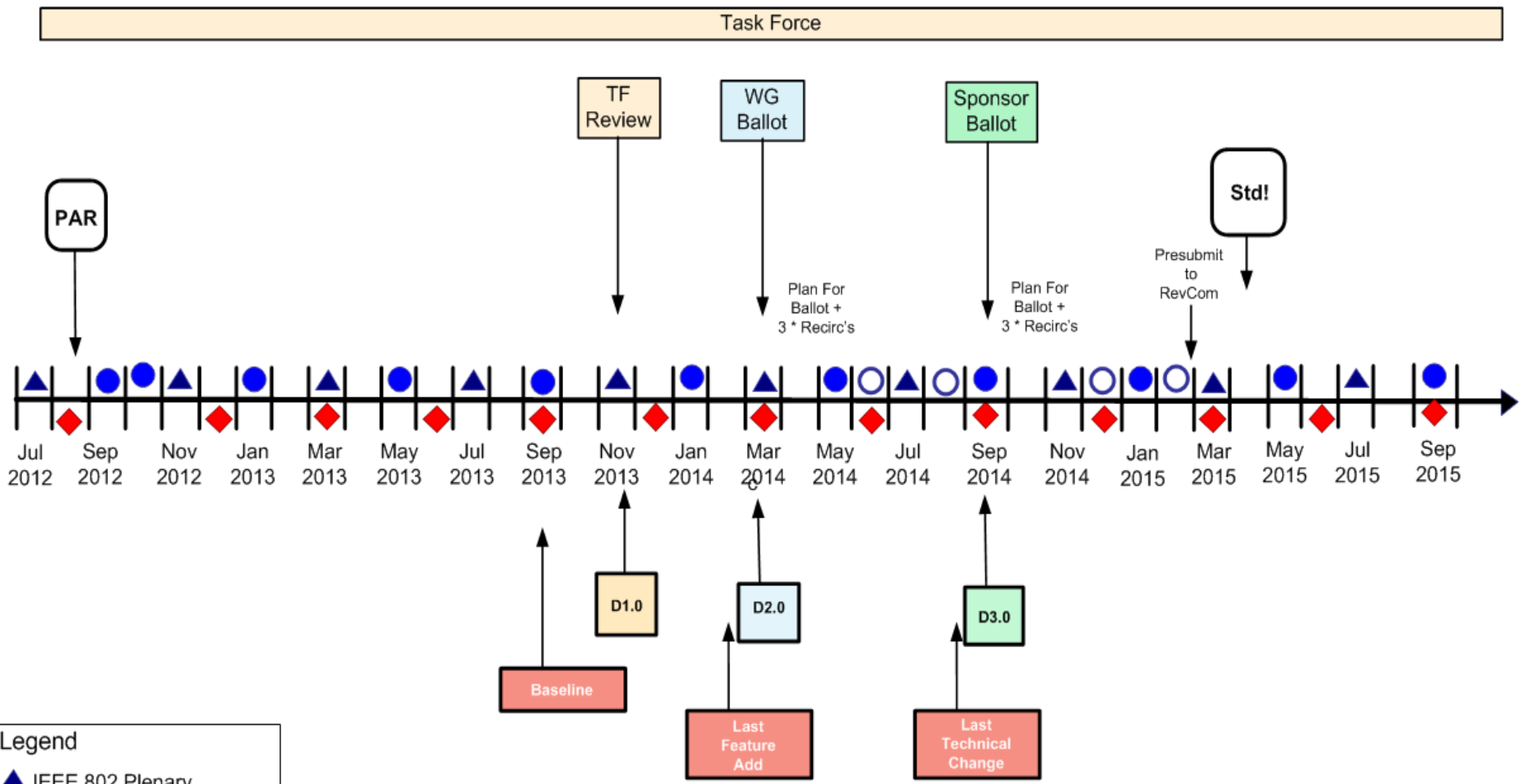
Technical / Baseline Motions Approved to Date

- 68 technical decisions
 - 23 added last meeting
- 4 baseline proposals
 - 3 added last meeting
- Decision history at:
 - <http://www.ieee802.org/3/bn/public/decisions/decisions.html>

Consensus Challenge Items

- RF Bandwidth (RF Spectrum) *
- √ FDD Downstream is OFDM/OFDMA
- Bonding approach for downstream
- Rate adaptation, which layer and how
- FEC / Interleaving (error performance) (req: channel model)
 - Physical Layer processing path
- MPCP Changes
- Adaptive Bit Rate Loading
- PHY Link *
- Complexity of hardware scaling with “bandwidth”
- √ How we are going to do TDD
- Coding Efficiency gains vs cost
- Synchronization in terms of time / frequency (mobile backhaul)
- OFDM Numerology / FFT Size / Symbol Size / CP size (req: channel model)
- Framing / Burst Marker Structure
- MAC layer efficiency
- PHY layer efficiency
- Energy Efficiency
- Subcarrier group / Resource Block
- Exclusions
- Pilots
- Sublayer interfaces

Task Force Timeline (updated 3/21/13)



Legend

- ▲ IEEE 802 Plenary
- IEEE 802 Interim
- ◆ IEEE-SA Standards Board

DAILY AGENDA AND PRESENTATIONS

Time Management Suggestions For This Meeting

- **Presentation Q&A**
 - At microphone: please try to limit to questions of clarification
 - Queue closes at end of presentation time
 - 1 question per go: 3 minutes per question and answer
 - May need to take discussions to hallway / email / ad hoc
 - Rebuttals / different approaches: consider a contribution for next meeting
- **Motion / Straw Poll Question Discussions**
 - 15 minutes discussion limit per question
 - Chair may reset/extend timer on substantive amendment to permit adequate discussion
 - 2 minutes per go person, 2 times max per question (including extensions)
 - TF can extend discussion time by vote
 - Want to keep decision pace, but not get dragged down in parliamentary procedures
- **Issues on time management should be addressed to the Chair of that session**

Voting Suggestions

- For hand votes
 - Raise your hand HIGH
 - Keep hand up until you are sure the appropriate counter has recognized you
 - Counters: if needed, recount your section.
- Please pay attention

Agenda – Tuesday 16 through Thursday 18J

(draft, subject to TF approval)

The draft agenda for this meeting will be available at:
<http://www.ieee802.org/3/bn/public/jul13/index.html>

Approve Agenda

- Motion to approve the amended Agenda for this meeting
 - Moved:
 - Seconded:

CLOSING SESSION

Call For Topics

- For next meeting.

Future IEEE P802.3bn Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Week of September 2nd 2013 – Joint P802.3/802.1 Interim
 - York, United Kingdom
- Week of November 11th - July 15th 2013 – 802 Plenary
 - Dallas, Texas
- Week of January 20th - 2014 – 802.3 Interim
 - Indian Wells, California

- Anyone interested in hosting a interim meeting contact the Chair or the IEEE 802.3 Executive Secretary [Steve Carlson](#).

Future Meeting Poll

Sept Interim – York, England, UK:

I will attend _____

I probably will attend _____

I probably will not attend _____

I will not attend _____

Nov Plenary – Dallas, Texas:

I will attend _____

I probably will attend _____

I probably will not attend _____

I will not attend _____

Thank You!