Agenda and General Information

IEEE P802.3bn EPoC PHY Task Force

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Orlando, Florida

March 19th – 21st 2013

Agenda

- Welcome and Introductions
- Review and approve January 23-25 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: 23-25 January 2013 Phoenix, Arizona interim meeting

Approve Minutes

- Motion to approve minutes from 23-55 January 2013, Phoenix meeting.

  - Moved: Duane Remein
  - Seconded: Victor Hou

- Passed by unanimous voice vote without opposition.

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 ad hoc committee work
  - Agenda focused on ad hocs and discussion time
  - State work plan and time for completion or deliverables
- Introduction on "path to draft"
  - Baseline proposal "editor ready" requirements
  - Introduction to the comment submission tool
- Update Time Line, work and focus plan
- "Motion madness" Thursday AM organized by sub-group
  - Sub-group reports, work plan, straw polls and motions
  - Time Line Update – MUST
  - Liaison response
  - Call for Topics 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"**

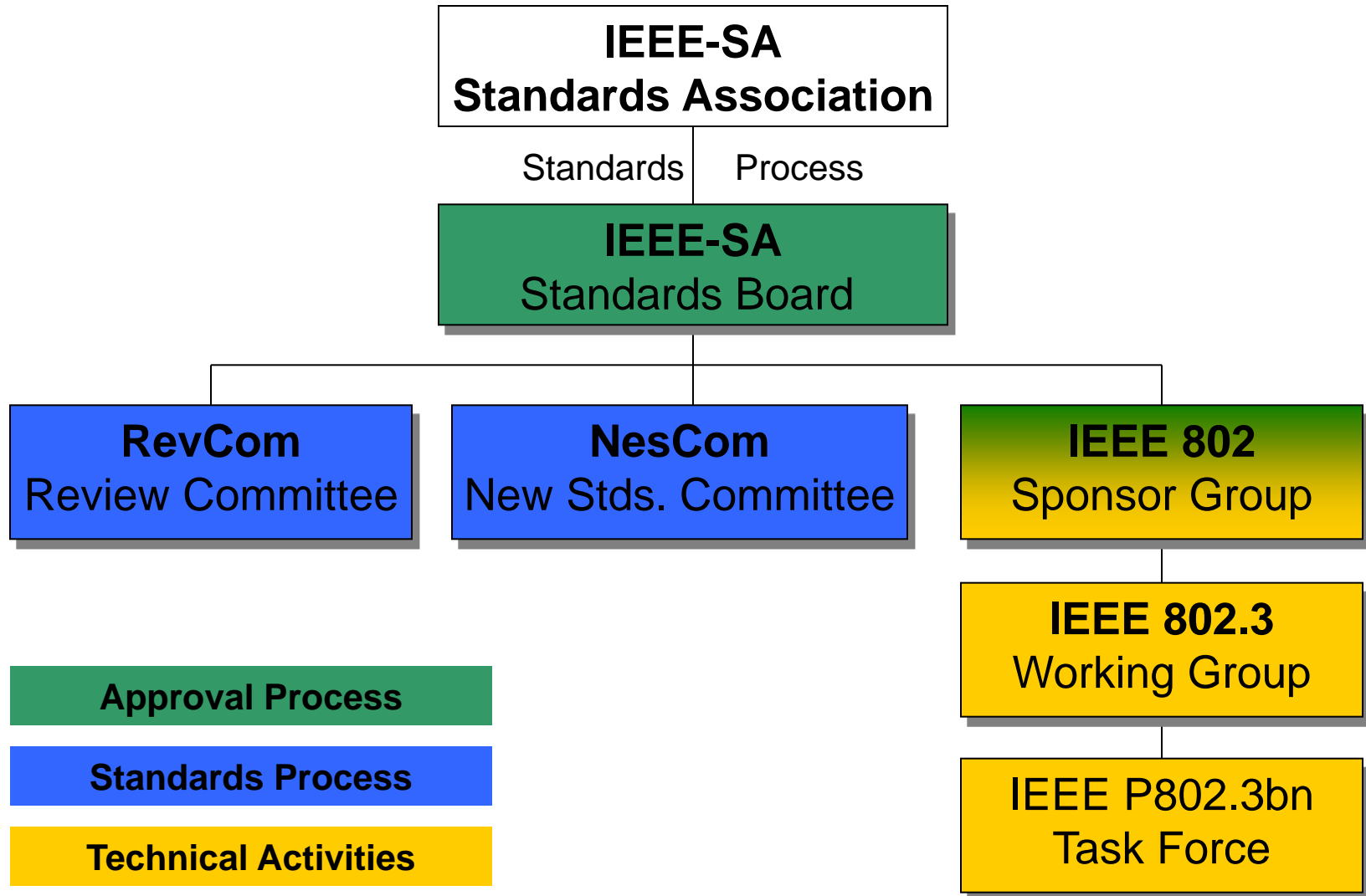- Send EPoC email reflector messages To:
    - **stds-802-3-epoc@listserv.ieee.org**

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

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┌─────────────────────────┐
│         IEEE-SA         │
│   Standards Association  │
└─────────────────────────┘
        Standards │ Process
┌─────────────────────────┐
│         IEEE-SA         │
│     Standards Board      │
└─────────────────────────┘
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RevCom Review Committee	**NesCom** New Stds. Committee	**IEEE 802** Sponsor Group

IEEE 802.3 Working Group

IEEE P802.3bn Task Force

Approval Process

Standards Process

Technical Activities

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**

25 March 2008 (updated 29 March 2011)

◈IEEE

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

25 March 2008 (updated 29 March 2011)

IEEE

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

25 March 2008 (updated 29 March 2011)

◆IEEE

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.

◆IEEE

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://ieee802.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

1. From: ITU-T Study Group 9
   - Subject: <u>Liaison on J.HiNoC-series: high performance network over coax</u>
   - Subject: announcement of work items:
     - **J.HiNoC-phy** *"PHY layer specification of high performance network over coax"*
     - **J.HiNoC-mac** *"MAC layer specification of high performance network over coax"* which are related to the just consented new Recommendation **J.HiNoC-req**

- Chair's observations/recommendation.
  - This is about the first version of HiNoC, Version 1.
  - Prepared an initial response draft. Please review the above consider this draft for decision on Thursday

Liaisons and Communications

2. Short overview of EPoC to be included in liaison response to ITU SG 15 "New versions of the Access Network Transport (ANT) Standardization Plan and Work Plan" . Marek is working with Steve Trowbridge (assigned to) on a draft.

Reminder: all formal communications and representations between IEEE and external groups go through the 802.3 WG via the Chair (David Law) (may be delegated)

- Note: this does not impact informal exchange of information between individuals participating in multiple organizations bringing in contributions for the TF technical decision and selection process

Business since Last Meeting / Status

- Sent informal email response to Mr. Yao as per closing recommendations
 - Received a response [Google translate of portion]

    "Thank you very much two chairmen made efforts to participate in the Chinese MSOs IEEE! China Radio and Television Association is also working hard, and EPoC forum. At present, the main obstacle is the language, specific measures to break down barriers. Want using Chinese meetings and more meetings held in China. Report text in English, no problem, the meeting language English Chinese MSOs difficult."

- First Chinese language ad hoc conference call on 3/6/13 (will be announced on EPoC reflector for all future meetings!)
  - Summary during Eval. Criteria and Requirements ad hoc opening report
  - Chair: suggested RF spectrum needs, specific requirements, and Channel Model topology and use cases be included for consideration as part of priorities

Technical / Baseline Motions Approved to Date

- 17 technical decisions
- 0 baseline proposals
- Decision history at:
  - **http://www.ieee802.org/3/bn/public/decisions/decisions.html**

IEEE P802.3bn Timeline ("aggressive")

Presented in Geneva, review, update, and adoption during November Plenary, 2012

PAR Dates:
Sponsor: 11/2013
RevCom: 8/2014
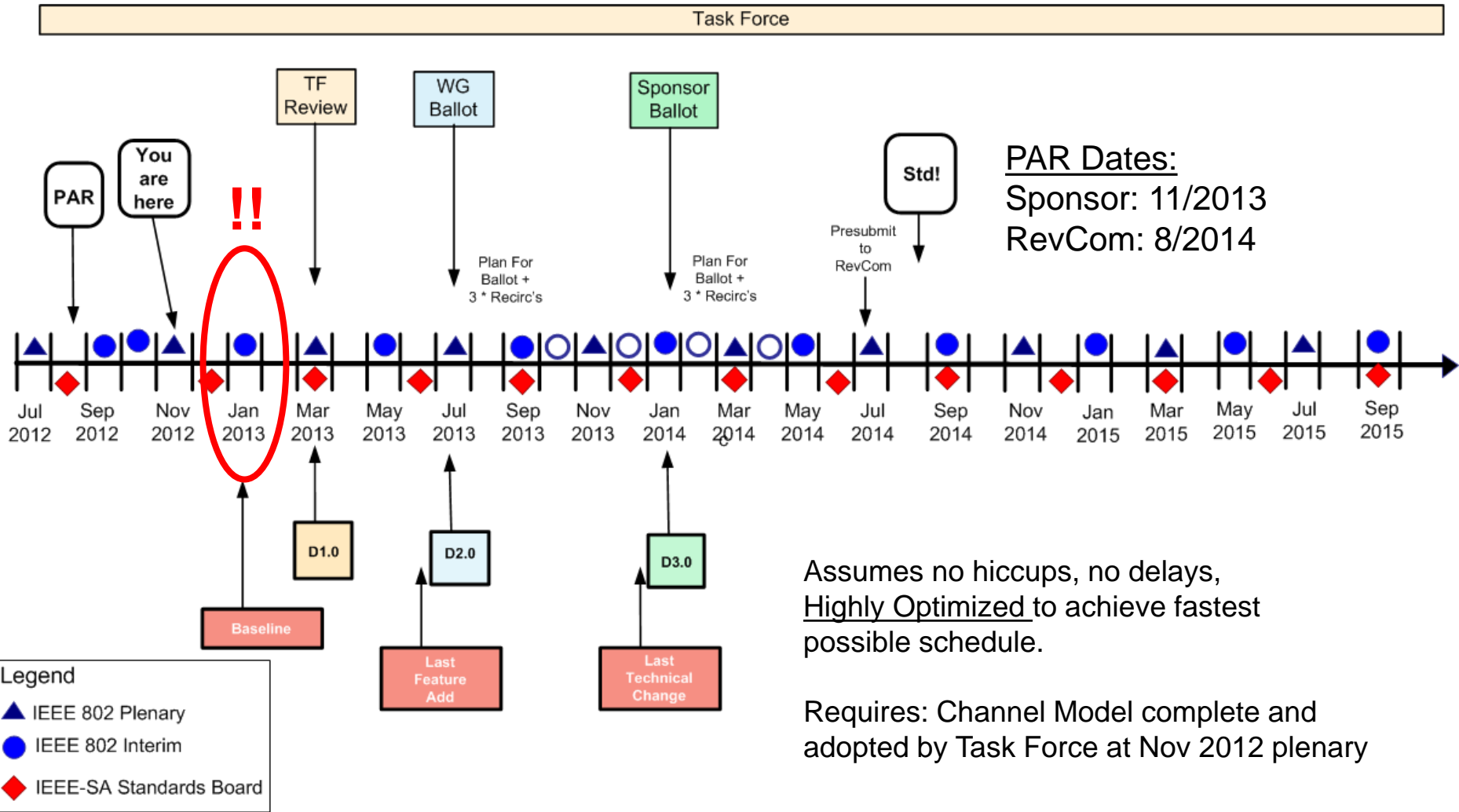
Assumes no hiccups, no delays,
Highly Optimized to achieve fastest
possible schedule.

Requires: Channel Model complete and
adopted by Task Force at Nov 2012 plenary

Other

- **Added PMD/PMA co-editor: Joe Solomon (Comcast)**

- **Additional interim meetings**
  - In general, P802.3bn meets when/where 802.3 WG meets
    - These are all announced / planned well in advance; e.g. into 2014
  - Chair's policy
    - Expect extra meetings to be called for draft/ballot comment and/or recirculation processing
    - Otherwise, TF consensus required
  - Proposal received for additional TF meeting:
    - Beijing, 1st week of June, 2013, proposed by Jorge Salinger
      - Host, venue, hotel, and fee is T.B.D.
      - Please socialize and discuss during this meeting
      - Consensus question on Thursday morning
        - » Note: A "yes" on Thursday is part of the process, still requires host, venue, hotel, fee, and 802.3 Chair approval before call for meeting is issued.

DAILY AGENDA AND PRESENTATIONS

Time Management <u>Suggestions</u> 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
  - 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
(draft, subject to TF approval)

Tuesday, 19 March - Start of IEEE P802.3bn Task Force Meeting			Length	Time
Mark Laubach	Broadcom	Agenda and General Information	1:00	8:00 AM
Steve Shellhammer	Qualcomm	Open report: TDD Sub-Task Force	0:15	9:00 AM
Duane Remain	Huawei	Open report: Channel Model ad hoc	0:15	9:15 AM
Steve Shellhammer, Guangsheng Wu	Qualcomm, Huawei	Open report: Evaluation Criteria and Requirements ad hoc	0:15	9:30 AM
Jorge Salinger	Comcast	Open report: MMP ad hoc	0:15	9:45 AM
Ed Boyd	Broadcom	Open report: PHY Link ad hoc	0:15	10:00 AM
Steve Shellhammer	Qualcomm	Open report: RF Spectrum ad hoc	0:15	10:15 AM
break			0:15	10:30 AM
Mark Laubach	Broadcom	Work Plan and Baseline Checklist Going Forward	0:30	10:45 AM
Duane Remein	Huawei	Care and Feeding of Editors - What your editors expect from a baseline proposal	0:20	11:15 AM
Marek Hajduczenia	ZTE	EPoC PCS structure	0:30	11:35 AM
Saif Rahman	Comcast	PMD structure	0:10	12:05 PM
Duane Remein	Huawei	MPCP clause outline	0:10	12:15 PM
Lunch			1:00	12:25 PM
Howard Frazier	Broadcom	Management registers and MIB objects	0:20	1:25 PM
Christian Pietsch, Avi Kliger	Qualcomm, Broadcom	EPoC Downstream Pilot Proposal	0:45	1:45 PM
Avi Kliger, Christian Pietsch	Broadcom, Qualcomm	EPoC Upstream Pilot Proposal	0:45	2:30 PM
break			0:05	3:15 PM
Ed Boyd, Avi Kliger	Broadcom, Qualcomm	Upstream Burst Markers	0:30	3:20 PM
Nicola Varanese, Juan Montojo	Qualcomm	Markers for MMP in Burst Mode	1:00	3:50 PM
Ed Boyd, Juan Montojo	Broadcom, Qualcomm	Upstream MMP	0:30	4:50 PM
break			0:15	5:20 PM
Marek Hajduczenia, Andrea Garavaglia	ZTE, Qualcomm	Data Rate Adaptation	1:00	5:35 PM
Marek Hajduczenia	ZTE	Power-Saving Mechanism for EPoC	0:35	6:35 PM
Marek Hajduczenia, Motoyuki Takizawa	ZTE, Fujitsu	Power-Saving Mechanisms in IEEE Std 1904.1 (SIEPON)	0:35	7:10 PM
Break for Day - Recess IEEE TF meeting until 8AM Wednesday				7:45 PM

Agenda – Wednesday

(draft, subject to TF approval)

Wednesday, 20 March - Start of TDD sub-Task Force Track			Length	Time
Steve Shellhammer, Andrea Garavaglia	Qualcomm	TDD Open Items and Checklist	0:30	8:00 AM
Andrea Garavaglia, Patrick Stupar	Qualcomm	Summary Presentation for TDD MPCP Enhancements	0:45	8:30 AM
discussion			2:00	9:15 AM
Break return to main track			0:15	11:15 AM

Agenda – Wednesday
(draft, subject to TF approval)

Wednesday, 20 March - Start of PHY sub-Task Force / Main Track			Length	Time
Marek Hajduczenia	ZTE	64b/66b Line Code	0:30	8:00 AM
PHY Link ad hoc	start		0:00	8:30 AM
Avi Kliger, Nicola Varanese	Broadcom, Qualcomm	PHY Link Channel	0:45	8:30 AM
Avi Kliger	Broadcom	Horizontal vs Vertical Preamble Detection	0:30	9:15 AM
break			0:10	9:45 AM
Ed Boyd	Broadcom	PHY Config Switchover	0:30	9:55 AM
ad hoc closing	discussion		0:30	10:25 AM
Channel Model ad hoc	start		0:00	10:55 AM
Duane Remain	Huawei	Channel Model ad hoc opening	0:10	10:55 AM
Rob Howald, Duane Remein	Motorola, Huawei	Baseline Channel Model	0:45	11:05 AM
lunch			1:00	11:50 AM
Rob Howald, Duane Remein	Motorola, Huawei	Illustrative Channel Models	0:45	12:50 PM
Keiji Tanaka	KDDI	Cable network situation in Japan and Requirements for EPoC	0:15	1:35 PM
ad hoc closing	discussion		0:15	1:50 PM
Ed Boyd, Marek Hajduczenia	Broadcom, ZTE	Broadcast LLID and Discovery	0:30	2:05 PM
Edwin Mallette	Brighthouse Networks	EPoC and CNU Generations	0:20	2:35 PM
break			0:15	2:55 PM
<multiple authors>	<multiple affiliations>	Downstream FEC Evaluation Requirements	0:30	3:10 PM
Syed Rahman	Huawei	Wideband Channel Estimation in Upstream EPoC	0:45	3:40 PM
Christian Pietsch, Nicola Varanese, Avi Kliger, Ed Boyd	Qualcomm, Broadcom	PHY related EPoC Motions	0:30	4:25 PM
Steve Shellhammer, Patrick Stupar, Hesham ElBakoury, Duane Remein	Qualcomm, Huawei	Responses to Feedback on Channel Bonding Proposal	0:45	4:55 PM
Break for Day at 6PM for 802 Social - Recess IEEE Task Force meeting until 8AM Thursday			0:00	5:40 PM

Agenda – Thursday

(draft, subject to TF approval)

Thursday, March 21			Length	Time
Sub-Group Closing Reports, their Polls and Motions				
Steve Shellhammer	Qualcomm	TDD Sub-Task Force	0:30	8:00 AM
Mark Laubach	Broadcom	Main / PHY Sub-Task Force	0:30	8:30 AM
Duane Remain	Huawei	Channel Model ad hoc	0:30	9:00 AM
Steve Shellhammer	Qualcomm	Eval Criteria and Requirements ad hoc	0:05	9:30 AM
Jorge Salinger	Comcast	MMP ad hoc	0:30	9:35 AM
Ed Boyd	Broadcom	PHY Link ad hoc	0:30	10:05 AM
Steve Shellhammer	Qualcomm	RF Spectrum ad hoc	0:30	10:35 AM
Planning Updates, Liaison response, other business, closing				
Mark Laubach	Broadcom	Work Plan / Time Line update (must do)	0:30	11:05 AM
Mark Laubach	Broadcom	Liaison response	0:15	11:35 AM
Mark Laubach	Broadcom	Other business	0:15	11:50 AM
Mark Laubach	Broadcom	Closing	0:15	12:05 PM
Adjourn - by 12Noon - Hard Stop				12:20 PM

Approve Agenda

- Motion to approve the amended Agenda for this meeting
  - Moved: Duane Remein
  - Seconded: Kevin Noll

  Passed by unanimous voice vote without opposition.

CLOSING SESSION

Future IEEE P802.3bn Meetings

- See: http://www.ieee802.org/3/interims/index.html

- Week of May 13, 2013 – Joint P802.3/802.1 interim
  - Victoria, BC, Canada
- Week of July 15th - July 18th 2013 – 802 Plenary
  - ITU, Geneva, Switzerland (Mark: consider *making your hotel reservations now*)
- Week of September 2nd 2013 – Joint P802.3/802.1 interim
  - York, United Kingdom

- Anyone interested in hosting a interim meeting contact the Chair or the IEEE 802.3 Executive Secretary Steve Carlson.

Future Meeting Poll

May Interim – Victoria, BC:

I will attend _____

I probably will attend _____

I probably will not attend _____

I will not attend _____

July Plenary – Geneva, CH:

I will attend _____

I probably will attend _____

I probably will not attend _____

I will not attend _____

Thank You!