

# Maintenance Task Group Meeting

July 26<sup>th</sup>, 2016  
John Messenger

# Maintenance

## July 26, 2016 Agenda

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
  - none
- Existing Maintenance items
  - SC6
  - 802.1AB
  - 802.1AS
  - 802.1AX
  - 802.1AB
  - 802.1BA
  - 802.1Q-2014
  - 802.1AC
  - Security
- Comment resolution
  - 802.1AC-Rev/D3.2 – sponsor recirc
  - Contribution to RAC on 802.1AC LLC Encapsulation Ethertype
- Liaisons
  - none
- SC6 comment resolution
- SC6 status

# Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- Show slides #1 through #4 of this presentation
- Advise the WG attendees that:
  - The IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.
- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.
- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in *IEEE-SA Standards Board Operations Manual* 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.



# 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**
  - **“Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of 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](mailto: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.**

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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.

# May 24<sup>th</sup>, 2016 Attendees

Assmann, Ralf  
Baek, SeoYoung  
Bjornstad, Steinar  
Boiger, Christian  
Bruckman, Leon  
Chen, Feng  
Crupnicoff, Diego  
DeLaOlivaDelgado, Antonio  
Ellegaard, Lars  
Finn, Norman  
Garner, Geoffrey  
Gunther, Craig  
Haddock, Stephen  
Holness, Marc  
Huang, Jing  
Hummen, Rene  
Jeffree, Anthony  
Johas Teener, Michael

Kehrer, Stephan  
Kim, Soyoung  
Klein, Philippe  
Mayer, Michael  
McIntosh, James  
Messenger, John  
Muench, Daniel  
Pannell, Donald R  
Parsons, Glenn  
Randall, Karen  
Rouyer, Jessy  
Ryytty, Eero  
Seaman, Michael  
Thaler, Patricia  
Unbehagen, Paul  
Varga, Balazs  
Wilton, Robert  
Zebralla, Daniel



# Status Update

- 802.1AC-Rev/D3.2 is in Sponsor recirc Ballot – comment resolution today
- 802.1AS-2011/Cor2-2015 was published on April 29<sup>th</sup>, 2016.
- 802.1AS-Rev/D4.0 has been prepared for this meeting.
  - No ballot since the May meeting.
- 802.1AX-2014-Cor1/D0.5 Sponsor ballot closed July 22<sup>nd</sup>.
  - 6 comments for resolution in TSN this week.
- 802.1Xck/D0.61 TG ballot closed on June 22<sup>nd</sup> – comment resolution this week
- 802.1Qcc/D1.0 WG ballot closed May 11<sup>th</sup>.
  - Were the maintenance items included in the ballot document?
- 802.1BA-2011-Cor1 draft 0.0 was approved and was published July 22<sup>nd</sup>.
- 802d/D0.3 has been out for WG ballot, closing July 6<sup>th</sup>.
  - Comment resolution this week in TSN.
- 802.1AEcg/D1.4 WG ballot closed June 24<sup>th</sup> – comment resolution this week

# 802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	1
Complete then Ballot	6
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	22
Published	103
Received	0
Errata Sheet Published	0
Technical experts review	2
Balloting	15
Withdrawn	0

# Existing Maintenance Items

- All existing open maintenance items are included here, **except** items which are in “balloting” state already, as those aren’t really interesting to track.

# SC6 items

- See status at the end of this presentation.
- Comment responses have been developed for
  - 802.1Qbv-2015 60-day ballot
  - 802.1Qca-2015 60-day ballot
  - 802.1AB-2016 60-day ballot
- Approval will be in closing plenary

# 802.1AB items

- none

# 802.1AS items

- 0061: 802.1AS variable names – ongoing

# 802.1AX-2014 items

- Items addressed in the corrigendum
  - 0163: Multiple aggregators and IPL failure – balloting in AX/Cor1
  - 0151: Bit numbering error in 802.1AX – balloting in AX/Cor1
  - 0146: Reintroduced errors in IEEE8023-LAG-MIB – balloting in AX/Cor1
- 802.1AX-2014-Cor1 will go to sponsor ballot next

# 802.1BA items

- 0122: Basic Support for Streams in Talkers – published in 802.1BA-2011/Cor1
  - Published – now closed.
- 0170: Dating of references to other standards – ready for ballot



# 802.1Q-2014 items

- 0141: Remove 6.6.1, 6.7.1 – waiting
- 0168: Port creation on components – complete then ballot
- 0169: D-Component creation – technical experts review

# 802.1AC items

- 0141: 802.1AC items to be removed from Q – waiting

# 802.1 Security items

- 0136: 802.1X incorporation of HKDF – long term waiting for Sec TG
- 0154: 802.1X MIB ieee8021XPaePortAuthenticatorEnable and ieee8021XPaePortSupplicantEnable – waiting for Sec TG – target 802.1Xck
- 0155: 802.1X MIB ieee8021XAuthPaeReAuthEnabled – waiting for Sec TG – target 802.1Xck
- 0157: 802.1X MIB typo in ieee8021XEapolStartFramesTx – waiting for Sec TG – target 802.1Xck
- 0162: Writeability of certain 802.1AE-2006 MIB variables – tech experts review – **balloting** in 802.1AEcg

# **NEW MAINTENANCE ITEMS**

# New maintenance items

- None

# BALLOT RESOLUTION

- 802.1AC-Rev/D3.2

# LIAISONS

- None

# **JTC1 SC6 COMMENT RESPONSES**



# SC6 Ballot Comments

- 802.1Qca-2015 60-day ballot
  - 1 negative comment from China because of 802.1X reference
- 802.1AB-2016 60-day ballot
  - 1 negative comment from China because of 802.1X reference

# **JTC1 SC6 STATUS**

# ISO/IEC JTC1 SC6 Status

- PSDO agreement in place to allow progress of IEEE standards in ISO/IEC
- EC JTC1 standing committee is administering the process for IEEE 802 Standards
  - 802.1, 802.3, 802.11, 802.15, 802.22
- 802.1 has previously agreed to submit its standards to SC6
  - Most standards and their amendments
  - Currently phasing in approvals
  - Motion required per standard
    - To forward Sponsor Ballot draft for comment
    - To submit approved standard for PSDO approval

# 802.1 Stds for SC6 approval (1/2)

## – PSDO approved

- 802.1AE - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1X - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1AS (Time synch) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AB (LLDP) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AR (Secure device ID) - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AEbn-2011 - ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
- 802.1AEbw-2013 - ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
- 802.1AX-2014 - FDIS passed Nov 2015; no comments
- 802 - FDIS passed Nov 2015, cmnts liaised Jan 2016
- 802.1Xbx - FDIS passed Dec 2015; cmnts liaised 20 April
- 802.1Q-2014 - FDIS passed Jan 2016; cmnts liaised 20 April

## – For adoption - PSDO in process (FDIS)

- 802.1BA-2011 (AVB systems) - FDIS Ballot closes 17 August 2016
- 802.1BR-2012 (Port extender) - FDIS Ballot closes 17 August 2016

# 802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (60 day pre-ballot)
  - 802.1Qbv-2015 (Enhancements for Scheduled Traffic) - 60 day ballot passed w/comment; response to be reviewed and sent July 2016 meeting
  - 802.1AB-2016 (Station and Media Access Control Connectivity Discovery) - IEEE staff sent doc for 60 day ballot 10 May 16
  - 802.1Qca-2015 (Path Control & Reserv) - IEEE staff sent doc for 60 day ballot 10 May 16
- For Information
  - 802.1Qbu – D3 sent to SC6 Nov 2015 (no comments received)
  - 802.1Qbz – D2.3 sent to SC6 Dec 2015 (no comments received)
  - 802.1AC-Rev – D3 sent to SC6 Dec 2015 (no comments received)
  - 802.1Qcd, Application VLAN TLV – sent to SC6 26 May 2016
- Next to send
  - IEEE 802.1Q-2014/Cor 1-2015 – to be discussed; ISO inquired about this doc per Jodi H.
  - IEEE 802.1AEcg (EDE devices) – Sponsor Ballot expected from July meeting
  - IEEE 802Qci – Sponsor Ballot expected from July meeting  
(Per stream filtering & policing)
  - IEEE 802d (URN Namespace) – Sponsor Ballot expected from July meeting
- To be submitted when ready (802.1 work in progress)