

# Maintenance Task Group Meeting

May 24<sup>th</sup>, 2016  
John Messenger

# Maintenance

## May 24, 2016 Agenda

- Patents and Guidelines
- Attendees
- Status
- New Maintenance items
  - 0168: 802.1Q Port creation on components
  - 0169: 802.1Q: D-component creation
  - 0170: References to other standards in 802.1BA-2011
- Existing Maintenance items
  - SC6
  - 802.1Q-2014
  - 802.1AX
  - 802.1AS
  - 802.1AB
  - 802.1AC
  - Security
- Comment resolution
  - 802.1AC-Rev/D3.1 – sponsor recirc
  - 802.1BA-2011-Cor-1/D0.0 – sponsor ballot (info update)
- Liaisons
  - Wifi alliance on 64-bit bridging
- 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.**

-----  
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/D3.1 is in Sponsor recirc Ballot – comment resolution today
- 802.1AS-Rev/D3.0 was out for TG ballot before the May meeting
  - Comment resolution this week.
- 802.1AX-2014-Cor1/D0.5 WG ballot closed May 13<sup>th</sup>.
  - No disapproves and no comments. Check ballot result percentage figures
- 802.1Xck not yet issued for ballot
  - Likely to be issued for TG ballot 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 has been out for Sponsor ballot
  - There was 1 comment which was withdrawn.
  - Pre-submit to RevCom
- 802d/D0.1 has been out for WG ballot, closing April 22<sup>nd</sup>.
  - Comment resolution this week in TSN.

# 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	21
Published	101
Received	3
Errata Sheet Published	0
Technical experts review	1
Balloting	16
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
  - Nothing this time
- 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 – **balloting** in 802.1BA-2011/Cor1
  - Going to RevCom



# 802.1Q-2014 items

- 0158: SRP: Proposed changes to allow use of VLAN 1 – tech experts review – **rejected**

# 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

- 0168: 802.1Q Port creation on components
  - Issue and proposed solution agreed – Complete then Ballot
- 0169: 802.1Q: D-component creation
  - Also need to check usage of “VLAN unaware component” – Technical Experts Review (Tony)
- 0170: References to other standards in 802.1BA-2011
  - Issue agreed. Awaiting a vehicle – Ready for Ballot

# BALLOT RESOLUTION

- 802.1AC-Rev/D3.1
- 802.1BA-2011-Cor1/D0.0 (status update)

# LIAISONS

- Wifi Alliance: 64-to-48-bit bridging:  
<http://www.ieee802.org/1/files/public/docs2016/liaison-WFA-Wi-Fi-HaLow-0516.pdf>

# **JTC1 SC6 COMMENT RESPONSES**



# SC6 Ballot Comments – none

# **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
- 802.1X
- 802.1AS (Time synch)
- 802.1AB (LLDP)
- 802.1AR (Secure device ID)
- 802.1AEbn-2011
- 802.1AEbw-2013
- 802.1AX-2014
- 802
- 802.1Xbx
- 802.1Q-2014

- FDIS passed Oct 2013, cmnts liaised Jan 2014
- FDIS passed Oct 2013, cmnts liaised Jan 2014
- FDIS passed Dec 2013, cmnts liaised May 2014
- FDIS passed Dec 2013, cmnts liaised May 2014
- FDIS passed Dec 2013, cmnts liaised May 2014
- ISO/IEC 8802-1AE:2015/Amd 1 (Apr 2015)
- ISO/IEC 8802-1AE:2015/Amd 2 (Apr 2015)
- FDIS passed Nov 2015; no comments
- FDIS passed Nov 2015, cmnts liaised Jan 2016
- FDIS passed Dec 2015; cmnts liaised 20 April
- FDIS passed Jan 2016; cmnts liaised 20 April

## – PSDO in process (FDIS)

- 802.1BA-2011 (AVB systems)
- 802.1BR-2012 (Port extender)

- FDIS Ballot closes 17 August 2016
- FDIS Ballot closes 17 August 2016

# 802.1 Stds for SC6 approval (2/2)

- PSDO in process (60 day pre-ballot)
  - 802.1Qbv-2015 (Enhancements for Scheduled Traffic) - IEEE staff sent doc for 60 day ballot 24 March; 60 day ballot closes 30 May 2016
  - 802.1AB-Rev (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 May 2016
- Submitted from March 2016 Plenary
  - 802.1Qcd, Application VLAN TLV – waiting for IEEE staff action 17 May
- To be submitted when ready (802.1 work in progress)
- Next to send