Maintenance Task Group Meeting

March 14th, 2017, v3
John Messenger
Maintenance
Mar 14th, 2017 Agenda

• Patents and Guidelines
• Attendees
• Status
• New Maintenance items
  – 0176: Incorrect references to 802.1AC in 802.1Q's Bridge MIB
  – 0177: 802.1AB: System Capability entry for Small Cells
  – 0178: 802.1Qbu-2016 MIB error
  – 0179: Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering
• Existing Maintenance items
• 802.1Q-Rev status update and balloting plan
• Comment resolution
  – P802.1Q/D1.2
• 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

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.
March 14th, 2017 Attendees

Messenger, John
Matsushima, Hideki
Huang, Lu
Itaya, Satoko
Samii, Soheil
Heffernan, Patrick
Bottorff, Paul
Wang, Tongtong
Thaler, Patricia
Cummings, Rodney
Gravel, Mark
Seaman, Michael
Kehrer, Stephan
Zein, Nader
Rouyer, Jessy
Bjornstad, Steinar
Maruhashi, Kenichi
Gunther, Craig
Holness, Marc

Randall, Karen
Karl, Michael
Haddock, Stephen
Boiger, Christian
Parsons, Glenn
Cheng, Weiying
Finn, Norman
Farkas, Janos
Specht, Johannes
Ellegaard, Lars
Weis, Brian
Schewe, Frank
Hung, Soar
Hamilton, Mark
Garner, Geoffrey
Pannell, Donald R
Fontaine, Mickael
Chen, Feng

Potts, Michael
Chen, David
Koto, Hajime
Oshawa, Tomoki
Stanton, Kevin
Bennett, Kathryn
Woods, Jordan
Gutierrez, Marina
Status Update

• 802.1AC-2016 was published on March 10th, 2017.
• 802.1AS-Rev/D4.5 TG ballot completed on March 1st; comment resolution in progress.
• 802.1AX-2014/Cor1-2017 was approved by the Standards Board on Feb 14th, 2017.
• 802.1Xck/D1.0 WG ballot closed Feb 15th. Comment resolution was performed and D1.1 is now available.
• 802.1AEcg-2017 was approved by the Standards Board on Feb 14th, 2017.
• 802.1Q-Rev/D1.2 has been out for WG recirculation ballot
  – Comment resolution at this meeting.
• 802.1AX-Rev – Draft 0.0 is available.
# 802.1 Maintenance Status

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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.

• Task force chairs and editors: have you decided in your groups not to change something which is covered by a Maintenance item? If so, you please ensure you bring this to the attention of the Maintenance Task Group.
# Items for review

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<th>Number</th>
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NEW MAINTENANCE ITEMS
New maintenance items

• 0176: Incorrect references to 802.1AC in 802.1Q's Bridge MIB
• 0177: 802.1AB: System Capability entry for Small Cells
• 0178: 802.1Qbu-2016 MIB error
• 0179: Clarification of outbound Ports as related to Dynamic VLAN Registration Entries and Ingress Filtering
# Items progressed 1/2

## Mar 2017 Plenary Meeting

**Location:** Vancouver

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Items progressed 2/2

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802.1Q-Rev


• 802.1Q-Rev/D1.2 WG recirculation ballot closed Monday

• Plan to do comment resolution this week and then request conditional approval to go to sponsor ballot this week following one more recirculation ballot.
BALLOT RESOLUTION

• 802.1Q-Rev/D1.2 comment resolution
LIAISONS

- None
JTC1 SC6 COMMENT RESPONSES
SC6 Ballot Comments

- 802.1Qbu
- 802.1Qbz
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
  – Motion required per standard
    • To forward Sponsor Ballot draft for comment
    • To submit approved standard for PSDO approval
  – **New** procedure for Corrigenda: one 90 day ballot and three questions.
802.1 Stds for SC6 approval (1/2)

- PSDO approved
  - 802.1AE-2006
  - 802.1X-2010
  - 802.1AS-2011 (Time synch)
  - 802.1AB-2009 (LLDP)
  - 802.1AR-2009 (Secure device ID)
  - 802.1AEbn-2011
  - 802.1AEbw-2013
  - 802.1AX-2014
  - 802-2014
  - 802.1Xbx-2014
  - 802.1Q-2014
  - 802.1BA-2011 (AVB systems)
  - 802.1BR-2012 (Port extender)
  - 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
  - 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
  - FDIS passed August 2016; no comments
  - FDIS passed August 2016; no comments
802.1 Stds for SC6 approval (2/2)

– For adoption - PSDO in process (FDIS)
  • 802.1AB-2016 (Stn & Media Access Control & Connectivity Discovery)
  • 802.1Qbv-2015 (Enhs for Sch Traffic)
  • 802.1Qca-2015 (Path Control & Reserv)
  • 802.1Qcd (Application VLAN TLV)
  • 802.1Q-2014/Cor 1-2015

– For adoption - PSDO in process (60 day pre-ballot)
  • 802.1Qbu-2016
  • 802.1Qbz-2016
  • 802.1AC-2016

– For Information
  • P802.1CB (Frame Repl & Elim for Reliability)
  • P802.1Qci (Per stream filtering & policing)
  • P802.1Qch (Cyclic Queuing & Fwding)

– Next to send – send for adoption/start ballots
  • 802.1AEcg-2017 (EDE devices)
  • 802d-2017 (URN Namespace)