Maintenance Task Group Meeting

July 11th, 2017, v4

John Messenger

Maintenance meeting
July 11th, 2017 Agenda

- Patents and Guidelines

- Attendees

- Status

- Additional comments received (Kang Tae-kyu, ETRI)

- New Maintenance items
    - 0188: transmission selection
    - 0191: Introduction items for P802.1Qbv and P802.1Qbu
    - 0192: References in clause 5.13.1, item n) not clickable
    - 0193: Clarification of points in time for scheduled traffic

- Existing Maintenance items

- Comment resolution
    - None

- Liaisons
    - ITU-T OTNT work plan
    - IETF LLC for long frames

- 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.

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(Optional to be shown)

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**

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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**

15 March 2015

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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

15 March 2015

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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.

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July 11th, 2017 Attendees

Abt, Werner
Assmann, Ralf
Bechtel, Gordon
Bierschenk, Jens
Bjornstad, Steinar
Boiger, Christian
Bottorff, Paul
Cheng, Weiying
CHOI, changho
Cummings, Rodney
Elbakoury, Hesham
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Gray, Eric W
Gunther, Craig
Haddock, Stephen
Hamilton, Mark

Holness, Marc
Hotta, Yoshifumi
Hung, Soar
Kang, Taekyu
Kehrer, Stephan
Kojima, Fumihide
Li, Yizhou
Mardmoeller, Christian
McIntosh, James
Messenger, John
Natarajan, Sriram
Ohsawa, Tomoki
Pannell, Donald R
Parsons, Glenn
QIU, WEI
Sato, Atsushi
Schewe, Frank
Schmitt, Juergen

Specht, Johannes
Thaler, Patricia
Wang, Tongtong
Yamaura, Takahiro
Zein, Nader

Status Update

- 802.1AS-Rev/D5.0 WG ballot in progress.

- 802.1Xck/D1.0 WG ballot closed Feb 15th. Comment resolution was performed and D1.1 is now available.

- 802.1Q-Rev/D1.4 completed WG recirc with 100% approval
  - 802.1.Q-Rev/D2.0 has been prepared for Sponsor Ballot following this meeting.

- 802.1AX-Rev/D0.1 TG ballot closed on Jun 23rd. Comment resolution this week.

802.1 Maintenance Status

Category	Count
Approved	0
Ready for Ballot	1
Complete then Ballot	3
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	25
Published	108
Received	5
Errata Sheet Published	0
Technical experts review	1
Balloting	25
Withdrawn	0

Additional comments received

- 802.1CM: deal with in comment resolution on current project
- 802.1CB: enter non-editorial comments as maintenance requests on 802.1CB because there is no CB project in progress
- 802.1Qcr: consider comments during comment resolution on current 802.1Qcr project.
- 802.1Qch, 802.1Qci, 802.1Q-Rev: enter these comments into the 802.1Q-Rev Sponsor Ballot comment resolution (which will start during the next few weeks)

BALLOT RESOLUTION

- None

Existing Maintenence 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

Number	Status	Submitted	Standard	Clause	Subject	Draft with fix
0061	Complete then Ballot	2012-11-01	802.1AS-2011	10.2.6.1.1	local variables	802.1AS-Rev
0170	Ready for Ballot	2016-05-16	802.1BA-2011	7.3.5	References to other standards in 802.1BA-2011	
0174	Complete then Ballot	2016-11-08	802.1AC-2016	2	802.1AC: IEEE 802.17 has been withdrawn	
0177	Technical experts review	2017-01-26	802.1AB-2009	8.5.8.1	System Capability entry for Small Cells	
0183	Received	2017-05-17	802.1Q	21.4.3	CFM OpCodes	
0187	Complete then Ballot	2017-06-24	802.1BA	12.6.1.1.3	802.1Q Port counter for FCS errors	

NEW MAINTENANCE ITEMS

New maintenance items

- 0188: Transmission selection
- 0191: Introduction items for P802.1Qbv and P802.1Qbu
- 0192: References in clause 5.13.1, item n) not clickable
- 0193: Clarification of points in time for scheduled traffic

LIAISONS

- ITU-T [OTNT work plan](#)
  - Any volunteers to draft a response updating the 802.1 material in the incoming document?
- IETF [LLC for long frames](#)
  - Consider starting a corrigendum on 802.1AC for this

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments

- FDIS ballot comments have been received from China NB on:
  - IEEE 802.1Q-2014/Cor 1-2015
  - IEEE 802.1AB-2016
  - IEEE 802.1Qca-2015
  - IEEE 802.1Qbv-2015.
- Review [proposed combined response](#).

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
  - Procedure for Corrigenda: one 90 day ballot and three questions.

802.1 Stds for SC6 approval (1/2)

– PSDO approved

- 802.1AE-2006   - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1X-2010   - FDIS passed Oct 2013, cmnts liaised Jan 2014
- 802.1AS-2011 (Time synch)   - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AB-2009 (LLDP)   - FDIS passed Dec 2013, cmnts liaised May 2014
- 802.1AR-2009 (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
- 802-2014   - FDIS passed Nov 2015, cmnts liaised Jan 2016
- 802.1Xbx-2014   - FDIS passed Dec 2015; cmnts liaised 20 April
- 802.1Q-2014   - FDIS passed Jan 2016; cmnts liaised 20 April
- 802.1BA-2011 (AVB systems)   - FDIS passed August 2016; no comments
- 802.1BR-2012 (Port extender)   - FDIS passed August 2016; no comments

- 802.1AB-2016 (Stn & Media Acc Cntrl Conntvty Discov)   - FDIS passed 4/17; China cmts - response rvw
- 802.1Qbv-2015 (Enhs for Sch Traffic)   - FDIS passed 4/17; China cmts - response rvw
- 802.1Qca-2015 (Path Control & Reserv)   - FDIS passed 4/17; China cmts - response rvw
- 802.1Q-2014/Cor 1-2015   - FDIS passed 4/17; China cmts - response rvw

802.1 Stds for SC6 approval (2/2)

- **For adoption - PSDO in process (FDIS)**
  - 802.1Qcd (Application VLAN TLV) — - ballot passed with comments from China. Response sent Nov 2016; FDIS closes 18 Apr 2017 (IEEE staff: May/June – ballot not open yet?)
  - 802.1Qbu-2016 — - response to 60 day ballot cmts sent 30 Mar 2017 FDIS ballots haven't started; IEEE staff in contact with ISO
  - 802.1Qbz-2016 — - response to 60 day ballot cmts sent 30 Mar 2017 FDIS ballots haven't started; IEEE staff in contact with ISO
  - 802.1AX-2014/Cor1-2017 — - 90 day Cor ballot closes 20 July 2017
- **For adoption - PSDO in process (60 day pre-ballot)**
  - 802.1AC-2016 — - Ballot closed May 2017; cmt from China review response July 2017
  - 802d-2017 (URN Namespace) — - Ballot passed June 2017; no comments
  - 802.1AEcg-2017 (EDE devices) — - Sent to SC6 27 June 2017; pre-ballot closes 7 Sept
- **For Information**
  - IEEE 802c (Local MAC Address Usage) — - D2.1 sent 30 March 2017; in Sponsor Ballot. Need motion to send when published.
  - IEEE 802.1QRev — - Motion 3/17: D2.0 to be sent when ready
- **Next to send – send for adoption/start ballots (all still TBD)**
  - 802.1CB (Frame Repl & Elim for Reliability) — - D2.6 sent for info 9/2016; send when pub – motion 3/17
  - 802.1Qci (Per stream filtering & policing) — - D2.0 sent for info 10/2016; send when pub – motion 3/17
  - 802.1Qch (Cyclic Queuing & Fwding) — - D2.0 sent for info 11/2016; send when pub – motion 3/17