Maintenance Task Group Meeting

March 15th, 2016

John Messenger

Maintenance
March 15, 2016 Agenda

- Patents and Guidelines

- Attendees

- Status

- New Maintenance items
  - There are none

- Existing Maintenance items
  - SC6
  - 802.1Q-2014
  - 802.1AX
  - 802.1AS
  - 802.1AB
  - 802.1AC
  - Security

- Comment resolution
  - 802.1BA-2011-Cor-1/D0.0
  - 802.1AX-2014-Cor-1/D0.4

- Liaisons
  - MoCA requests latest draft of 802.1AC
  - ITU-T SG15 LS339 on MDSP: no response required

- 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

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

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.

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March 15th, 2016 Attendees

Cheng, Weiying
Farkas, Janos
Finn, Norman
Garner, Geoffrey
Gray, Eric W
Gunther, Craig
Haddock, Stephen
Jeffree, Anthony
Kehrer, Stephan
Kiessling, Marcel
Korhonen, Jouni
Lemon, John
Messenger, John
Pannell, Donald R

Parsons, Glenn
Romascanu, Dan
Rouyer, Jessy
Thaler, Patricia

Status Update

- 802.1AB-2016 was approved Feb 5th, 2016, published March 11th, 2016.
- 802.1AC-Rev/D3.0 is in Sponsor Ballot but has not been recently balloted
- 802.1AS-Rev/D2.0 was out for TG ballot before the November meeting
  - No ballot this time.
- 802.1AX-2014-Cor1/D0.4 WG ballot closed Mar 6th.
  - Comment resolution this week in Maintenance
- 802.1Xck not yet issued for ballot
- 802.1Qcc/D0.6 is available but has not been balloted.
  - A new TG ballot is expected following this meeting.
- 802.1BA-2011-Cor1 draft 0.0 has been out for WG ballot
  - PAR was approved Feb 12th, 2016
  - Comment resolution in this meeting
- 802D/D0.1 is available
  - PAR for URN Namespace was approved Dec 5th, 2015
  - Ballot expected following this meeting.

802.1 Maintenance Status

Category	Count
Approved	6
Ready for Ballot	1
Complete then Ballot	6
Complete then Errata	0
Errata	0
Failed	0
Incomplete	0
Rejected	21
Published	95
Received	0
Errata Sheet Published	0
Technical experts review	2
Balloting	15
Withdrawn	0

SC6 items

- See status at the end of this presentation.
- Comment responses have been developed for
  - 802.1Xbx-2014 FDIS ballot comment responses
  - 802.1Q-2014 FDIS ballot comment responses
- Discussion….
- Approval will be in closing plenary

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.

802.1AB items

- 0153: 802.1AB PortAutoNegAdvertisedCap objects are the wrong size – moved to 802.3

802.1AS items

- 0140: 802.1AS asCapable Hair Trigger – issue agreed, solution developed, included in draft 802.1AS-Rev
- 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
- Comment resolution on 802.1AX-2014-Cor1/D0.4 in this meeting
- Further WG recirculation balloting after this meeting.

802.1BA items

- 0122: Basic Support for Streams in Talkers – review
  - Balloting in 802.1BA-2011/Cor1

802.1Q-2014 items

- 0158: SRP: Proposed changes to allow use of VLAN 1 – tech experts review – issue agreed, target 802.1Qcc

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 – in draft 802.1AEcg

BALLOT RESOLUTION

- 802.1BA-2011-Cor1/D0.0 (no comments)
- 802.1AX-2014-Cor1/D0.4

EXISTING MAINTENANCE ITEMS

- see Maintenance Database

NEW MAINTENANCE ITEMS

LIAISONS

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments – 802.1Xbx

- 802.1Xbx has been in FDIS ballot and has passed.
- There is one comment from China, documented in liaison-randall-SC6response8021Xbx-0116-v03.pdf
- These comment responses have been revised and are included in the approval motions for the closing plenary.

SC6 Ballot Comments – 802.1Q-2014

- 802.1Q-2014 has been in FDIS ballot and has passed.
  - There is one comment from China, documented in liaison-randall-SC6FDISresponse1Q-0216.pdf
  - Any comments on these prior to approval?
- These comment responses are included in the approval motions for the closing plenary.

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

- PSDO in process (FDIS)
  - 802.1Xbx-2014 — - FDIS ballot closed Dec 2015; response reviewed 1/2016 - send March 2016
  - 802.1Q-2014 — - FDIS ballot closed Jan 2016; response to be reviewed/sent March 2016

- PSDO in process (60 day pre-ballot)
  - 802.1BA-2011 (AVB systems) — - 60 day ballot passed w/comments; response sent January 2016
  - 802.1BR-2012 (Port extender) — - 60 day ballot passed w/comment; response sent January 2016

802.1 Stds for SC6 approval (2/2)

- For "Information"
  - 802.1Qbu — SC6 RfC Nov 2015, comments due Dec 2015
  - 802.1Qbv — SC6 RfC Nov 2015, comments due Dec 2015
  - 802.1Qca — SC6 RfC Nov 2015, comments due Dec 2015
  - 802.1AB-Rev — D1.2 sent to SC6 Dec 2015
  - 802.1Qbz — D2.3 sent to SC6 Dec 2015
  - 802.1AC-Rev — D3 sent to SC6 Dec 2015

- To be submitted for adoption now (March 2016)
  - 802.1AB-2016, Station and Media Access Control Connectivity Discovery
  - 802.1Qca-2015, Path Control and Reservation
  - 802.1Qbv-2015, Enhancements for Scheduled Traffic

- To be submitted for information now (March 2016)
  - 802.1Qcd-2015, Application VLAN TLV

- To be submitted when ready (802.1 work in progress)

- Next to send