Maintenance Task Group Meeting

September 13th, 2016

John Messenger

Maintenance
Sept 13, 2016 Agenda

- Patents and Guidelines

- Attendees

- Status

- New Maintenance items
  - 0171: 802.1X: MI ordering in MKA Key Server Peer List
  - 0172: 802.1Q Clarify cut-through

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

- Comment resolution
  - None

- 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.

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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

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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

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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 26th, 2016 Attendees

Thaler, Patricia
Baek, SeoYoung
Farkas, Janos
Holness, Marc
Rouyer, Jessy
Potts, Michael
Seaman, Michael
Kehrer, Stephan
Specht, Johannes
Bierschenk, Jens
Cheng, Weiying
Touve, Jeremy
Schewe, Frank
Finn, Norman

Moskowitz, Robert
Randall, Karen
Haddock, Stephen
Messenger, John
Garner, Geoffrey
Jeffree, Anthony
Althoff, Markus
McBeath, Tom
Pannell, Donald R
McIntosh, James
Boiger, Christian
Gunther, Craig
Parsons, Glenn

Status Update

- 802.1AC-Rev/D4.0 is at RevCom

- 802.1AS-Rev/D4.0 has been prepared.
  - No ballot since the May meeting.

- 802.1AX-2014-Cor1/D0.5 Sponsor ballot closed July 22nd.
  - Comment resolution was performed in July. No subsequent ballot.

- 802.1Xck/D0.61 TG ballot closed on June 22nd – no subsequent ballot

- 802.1AEcg/D1.4 WG going to sponsor ballot

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	22
Published	103
Received	2
Errata Sheet Published	0
Technical experts review	2
Balloting	18
Withdrawn	0

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.

SC6 items

- See status at the end of this presentation.
- Comment responses:
  - None this time

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 is in sponsor ballot

802.1BA items

- 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 – balloting – target 802.1Xck

- 0155: 802.1X MIB ieee8021XAuthPaeReAuthEnabled – balloting – target 802.1Xck

- 0157: 802.1X MIB typo in ieee8021XEapolStartFramesTx – balloting – 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

- 0171: 802.1X: MI ordering in MKA Key Server Peer List
- 0172: 802.1Q Clarify cut-through

BALLOT RESOLUTION

- None

LIAISONS

- None

JTC1 SC6 COMMENT RESPONSES

SC6 Ballot Comments

- Nothing this time

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
  - 802.1BA-2011 (AVB systems) — - FDIS passed August 2016; no comments
  - 802.1BR-2012 (Port extender) — - FDIS passed August 2016; no comments

802.1 Stds for SC6 approval (2/2)

- For adoption - PSDO in process (60 day pre-ballot)
  - 802.1Qcd, Application VLAN TLV — - sent Aug 2016; SC6 ballot closes 23 Oct
  - 802.1Qbv-2015 (Enhancements for Scheduled Traffic) — - 60 day ballot passed w/comment; comment rsp liaised from July 2016 meeting
  - 802.1AB-2016 (Station and Media Access Control Connectivity Discovery) — - 60 day ballot passed w/comment; comment rsp liaised from July 2016 meeting
  - 802.1Qca-2015 (Path Control & Reserv) — - 60 day ballot passed w/comment; comment rsp liaised from July 2016 meeting

- 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)
  - IEEE 802.1AEcg (EDE devices) — – D1.4 sent September 2016
  - IEEE 802d (URN Namespace) — – D1.0 sent September 2016
  - IEEE 802.1CB — – D2.6 sent September 2016

- Next to send
  - IEEE 802Qci — – Sponsor Ballot after July meeting
  - IEEE 802.1Q-2014/Cor 1-2015 — – ISO inquired about this doc per Jodi H.; inquire w/SC6
  - IEEE 802.1Qbu — – send for adoption on publication
  - IEEE 802.1Qbz — – send for adoption on publication
- To be submitted when ready (802.1 work in progress)