Maintenance Task Group

Via Phone Conference prior to Nanjing
September 14, 2011
Paul Congdon
Agenda

• Patents
• Status Update
• Maintenance item discussion
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 consistent with the ANSI patent policy and 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 12 and 12a 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.

25 March 2008
Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy. Participants:

- “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.
  - “Personal awareness” means that the participant “is personally aware that the holder may have a potential Essential Patent Claim,” even if the participant is not personally aware of the specific patents or patent claims.

- “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of such 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.

Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2.

- 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/guides/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

Material about the patent policy is available at

http://standards.ieee.org/board/pat/pat-material.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/board/pat/index.html

This slide set is available at http://standards.ieee.org/board/pat/pat-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.
Status Update

- 4 new maintenance items received since July Plenary
  - 3 are very editorial, 1 requires discussion

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Maintenance Item – 0003
Inconsistent VID for LBR Frames

• Submission: Steve Haddock – March 2011
• Issues:
  – Multiple choices for selecting vlan_identifier
  – Non-normative language used to describe VID selection
  – Normative text for 20.28.2 is for PBB-TE only
  – Priority and drop eligibility determination also not specified.
  – No managed objects to set Primary VID for MIP
• Latest Status: Balloting
  – Steve Haddock to introduce a ballot comment at San Francisco meeting for 802.1aq
• Discussion
Maintenance Item – 0005
Missing enable for Link Aggregation TLV

• Submission: Pat Thaler – June 2011
• Issues:
  – When LinkAgg TLV was moved into 802.1 MIB, the enable was not included
  – Error in table D-5 for lldpV2Xdot1ConfigPortVlanTable. Reference and MIB text don’t agree
  – Missing security considerations in D.4.4 for Congestion Notification
• Latest Status: Ready for Ballot
  – Waiting for a revision of 802.1AX to fix
  – Points out issue with sending LLDP frames on physical links of aggregation in architecture
• Discussion
Maintenance Item – 0006
Corrigendum items for .1AS

• Submission: Geoff Garner – June 2011
• Issues:
  – Various
  – Actively being worked at a TG item
• Latest Status: Ready for Ballot
  – Waiting for AB Corrigendum ballot
• Discussion
Maintenance Item – 0007
incorrect operPointToPointMAC references

• Submission: Craig Gunther – August 2011
• Issues:
  – When 802.1ak was rolled into 802.1Q it contained incorrect references to clause 6.4.3 for operPointToPointMAC. They should be 6.6.3.
• Proposed Resolution:
  – Update references at next opportunity
• Discussion:
  • Fix in next amendment that relates to operPointToPointMAC, or wait for next Q-Revision?
Maintenance Item – 0008
MVRP cut-and-paste errors

• Submission: Craig Gunther – August 2011
• Issues:
  – MVPR1 and MVPR2 PICs items were pasted from MMRP items and remain incorrect
• Proposed Resolution:
  – Update references at next opportunity
• Discussion
  – Fix in next amendment that relates to MVRP, or wait for next Q-Revision?
Maintenance Item – 0009
Disambiguating LLDP over Link Aggregations

• Submission: Jeffrey Lynch – September 2011
• Issues:
  – It is unclear how LLDP should operate over an aggregation
  – It is currently not possible to determine at the receiver if the LLDP frames were sent from a peer at the physical link or at the aggregate
• Proposed Resolution:
  – Document in IEEE 802.1Q or IEEE 802.1AX the requirements and operational behavior for LLDP in the present of Link Aggregation
    • Either redefine the use of some of the reserve bits or add new fields to the existing LAG TLV (to disambiguate the source & target of LLDP frames)
  – Identify which TLVs should be sent on each individual link or on the aggregate
  – Resolve the architectural addressing issues introduced by running LLDP over a LAG.
• Discussion
Maintenance Item – 0010
Incorrect Annex reference

• Submission: Christian Boiger– September 2011
• Issues:
  – A reference to Annex G in 6.11.4 should really be a reference to Annex I
• Proposed Resolution:
  – Change "Annex G" to "Annex I"
• Discussion
  – Fix in next amendment that relates to clause 6, or wait for next Q-Revision?