P2654 STAM WG Meeting #8

Ian McIntosh, Leonardo

Compliance with IEEE Standards Policies and Procedures

Subclause 5.2.1 of the *IEEE-SA Standards Board Bylaws* states, "While participating in IEEE standards development activities, all participants...shall act in accordance with all applicable laws (nation-based and international), the IEEE Code of Ethics, and with IEEE Standards policies and procedures."

The contributor acknowledges and accepts that this contribution is subject to

- The IEEE Standards copyright policy as stated in the *IEEE-SA Standards Board Bylaws*, section 7, http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#7, and the *IEEE-SA Standards Board Operations Manual*, section 6.1, http://standards.ieee.org/develop/policies/opman/sect6.html

- The IEEE Standards patent policy as stated in the *IEEE-SA Standards Board Bylaws*, section 6, http://standards.ieee.org/guides/bylaws/sect6-7.html#6, and the *IEEE-SA Standards Board Operations Manual*, section 6.3, http://standards.ieee.org/develop/policies/opman/sect6.html

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IEEE P2654
System Test Access Management
Ian McIntosh (interim chair)

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<tr><td colspan="4"><p> </p><p>Working Group Meeting #8</p><p> </p></td></tr>
<tr><td colspan="4"><p> </p><p>Date: 2019-02-18</p><p> </p></td></tr>
<tr><td colspan="4">Author(s):</td></tr>
<tr><td>Name</td><td>Affiliation</td><td>Phone [optional]</td><td>Email [optional]</td></tr>
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2. Agenda

1. Roll Call
2. Agenda
3. IEEE Patent Slides
4. Review and approve previous minutes: February 11
5. Review open action items
6. Discussion Topics:
   - Update on WG Elections.
   - Top-down vs bottom-up approaches.
7. Any other business
8. Key Takeaways from today's meeting
9. Glossary terms from this meeting
10. Schedule next meeting
11. Topic for next meeting
12. Reminders
13. List new action items
14. Adjourn

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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:**
  - 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 IEEE is not aware. Additionally, neither 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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02 January 2018

(Optional to be shown)

Participants have a duty to inform the IEEE

- Participants <u>shall</u> 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

- Participants <u>should</u> inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

Early identification of holders of potential Essential Patent Claims is encouraged

Ways to inform IEEE

- **Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); 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**

- **Speak up now and respond to this 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, please respond at this time by providing relevant information to the WG Chair

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 of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.

      - Technical considerations remain the 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.**

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and
Antitrust and Competition Policy: What You Need to Know at
http://standards.ieee.org/develop/policies/antitrust.pdf

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Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE-SA Standards Board 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

4. Review and approve minutes

Working Group Meeting #7, February 11

Updated draft circulated February 14.

Attendees:

Ian McIntosh (Leonardo)	Jan Schat (NXP Semiconductors)
Eric Cormack (DFT Solutions)	Naveen Srivastava (Nvidia)
Terry Duepner (National Instruments)	Craig Stephan (INTELLITECH Inc.)
Heiko Ehrenberg (GOEPEL Electronics)	Jon Stewart (Dell)
Brian Erickson (JTAG Technologies)	Brad Van Treuren (Nokia)
Bill Huynh (Marvell Inc.)	Carl Walker (Cisco Systems)
Joel Irby (Arm)	Louis Ungar (A.T.E. Solutions)
Richard Pistor (Curtiss-Wright)	

5. Review open action items

Action Item Register:

http://files.sjtag.org/PostStudyGroup/ActionItemRegister.xlsx

Format of action number is
[Meeting#.Action# within that meeting]

[SG 21.1] Supply Ian with glossary definitions used by 1687.1 for "transformation" and "retargetting". Ongoing action.

6. Discussion Topics (a)

6.a Update on WG Elections

- Status on nominations.

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6. Discussion Topics (b)

6.b Top-down vs bottom-up approaches

- Historical notes:

- From the SJTAG Glossary:
  - **Top-down Approach** (SJTAG strategy) A strategy where the desired configuration (state)/actions of the system is determined by decomposing a system into its constituent parts and determining the set of configuration (state)/actions by analyzing the parts to determine the overall configuration (state)/actions of the system.
  - **Bottom-up Approach** (SJTAG strategy) A strategy where each individual element (bottom) of a system determines its own configuration (state)/actions, based on its functional, behavioral, and performance requirements, to which its capabilities may be assembled by higher levels of a system architecture to provide the global configuration (state)/actions for a system.

- From Meeting Minutes - 2016-11-02:
  - "The top-down vs bottom-up discussion was primarily a recommendation for tooling: The determination of the path to a target register needs to be done bottom up, but actually establishing the path needs to be done top-down."

Wrap-up items

7. Any other business

8. Today's Key Takeaways

9. Glossary terms from this meeting

10. Schedule next meeting
    February 25

11. Topic for next meeting

    TBD.

12. Reminders

13. List new action items

14. Adjourn