IEEE 802 EC 5G/IMT-2020 standing committee

Glenn Parsons - Ericsson

glenn.parsons@ericsson.com
+1 613 963 8141

April 2016

Mentor DCN: EC-16-0061-04-5GSG   4/19/2016

Guidelines for IEEE-SA 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.**

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

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.

This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.ppt

Mentor DCN: EC-16-0061-04-5GSG

Mentor DCN: EC-16-0061-04-5GSG   4/19/2016

Agendas

Agenda for March 30th

- Logistics
- Reminder of Scope
- Review of future meeting schedule
- Plan for report (17)
- Contributions
  - What's in scope? – Roger (62)
  - Enumeration of candidate 802 technologies - Paul

Agenda for April 13th

- Review of future meeting schedule
- Plan for report (65)
- Contributions
  - 5G propositions (64)

Agenda for April 20th

- Review of future meeting schedule
- Plan for report (65)
- Contributions
  - 5G Spectrum (68)

Scope of the
5G standing committee

Approved Scope

- **To provide a report on the following items to the EC:**
  - Costs and benefits of creating an IEEE 5G specification
  - Costs and benefits of providing a proposal for IMT-2020, considering possible models of a proposal:
    - as a single technology,
    - as a set of technologies,
    - or as one or more technologies within a proposal from external bodies (e.g., 3GPP)
- **During its lifetime, to act as the communication point with other IEEE organizations on this topic.**

Organization

- **The committee is chartered for 6 months (i.e., due July 2016 at the 802 plenary) as an EC SC (type 2).**
  - LMSC P&P section 5.6, item #2
    - The subgroup is responsible for assisting the Sponsor (e.g., drafting all or a portion of a document, drafting responses to comments, drafting public statements on standards, or other purely advisory functions).
- **Any 802 WG voting member may participate as a voting member of the committee.**

Meeting & Conference Call Schedule

Reflector

- **For meeting announcements and discussion**
  - stds-802-5g@listserv.ieee.org
- **To subscribe**
  - Use web interface (preferred):
    - https://listserv.ieee.org/cgi-bin/wa?A0=stds-802-5g
    - Login with your IEEE account email/password
  - Send email to:
    - listserv@ieee.org with content:
    - SUBSCRIBE STDS-802-5G yourname
  - All subscriptions require manual approval by the chair
- **Archive**
  - There is currently no archive

Meetings

- ## Face-to-Face Meetings *proposal*
  - ▫ March 14 & 15 – IEEE 802 plenary, Macau, CN
  - ▫ ~~April 22 – IEEE-SA CAG, 5G workshop, Tokyo, JP~~
  - ▫ May 20 – IEEE 802 wireless interim, Waikoloa, HI
  - ▫ May 25 – IEEE 802.1 interim, Budapest, HU
  - ▫ June 24 – Ottawa, CA
  - ▫ July 25 & 26 – IEEE 802 plenary, San Diego, US
- ## Conference calls
  - ▫ Scheduled weekly
    - · Will be cancelled 24 hours prior if no agenda items

Weekly Conference call times

- **Starting March 30th for 1 hour**
  - Alternating between 10am and 6pm each week
- **Wednesday 10am Ottawa (ET)**
  - 9am Dallas (CT)
  - 7am San Jose (PT)
  - 5pm Helsinki
  - 11pm Tokyo
  - 1am Wednesday, Sydney
- **Wednesday 6pm Ottawa (ET)**
  - 5pm Dallas (CT)
  - 3pm San Jose (PT)
  - 1am Helsinki
  - 7am Wednesday, Tokyo
  - 9am Wednesday, Sydney

Join.me logistics

Join the meeting: https://join.me/ieee802.1

On a computer, use any browser. Nothing to download.
On a phone or tablet, launch the join.me app and enter meeting code:
ieee802.1

By phone:
Canada – Ottawa   **+1.613.699.9318**

Germany - Frankfurt   **+49.69.9753.3131**
United States - New York, NY   **+1.646.307.1990**
United States - San Francisco, CA   **+1.415.655.0381**

Access Code   **684-645-640#**

Other international numbers available

Mentor DCN: EC-16-0061-04-5GSG   4/19/2016

Conference Calls & Meeting Dates

- March 30 – 10am ET
- ~~April 6 – 6pm ET~~
- April 13 - 10am ET
- April 20 – 6pm ET
- April 27 – 10am ET
- May 4 – 6pm ET
- May 11 – 10am ET
- May 20
- May 25 – 9-12 CEST

- June 1 – 10am ET
- June 8 – 6pm ET
- June 15 – 10am ET
- June 24
- June 29 – 6pm ET
- July 6 – 10am ET
- July 13 – 6pm ET
- July 20 – 10am ET
- July 25 & 26

Face-to-Face Meetings

May 20 – IEEE 802 Wireless

- Tentatively Friday 1-5pm
  - Room booked
  - Awaiting confirmation of projector/network availability

May 25 – IEEE 802.1

- Wednesday, May 25 - 9h-12h
- Location:
  - Hilton Budapest
    Budapest, HU
- Registration
- Information

Waikoloa options

- May 20th afternoon - Verilan will not be able to provide network or projectors. So hotel options are being evaluated. The room itself is booked.
- The options are:
  1. Have F2F on Friday, May 20th
     - 802 treasury will be asked to cover extra cost
  2. Have it at another time that week with an acting chair
     - Any suitable slot
  3. Have it at another time that week, but I chair remotely from Beijing
     - Waikoloa - Monday 7pm, Beijing – Tuesday 1pm
     - Communications may prove complex
  4. Have a conference call that week, at a time suitable for Beijing and Waikoloa
     - Waikoloa - Monday 7pm, Beijing – Tuesday 1pm

Mentor DCN: EC-16-0061-04-5GSG   4/19/2016

March Plenary Meeting Summary

Agenda for March 2016 meeting

- **Monday**
  - Introduction (17-02) – Glenn Parsons
    - Role of this standing committee
  - 802 5G Project analysis (36)
  - ITU-R IMT-2020 (10, 34) – Roger Marks
  - ITU-T IMT-2020 (37) – Glenn Parsons
  - IEEE 5G (35-01)– Patrik Slaats
- **Tuesday**
  - Contributions
    - 802.1CM (38-01) – Janos Farkas
    - 802.1CF (39) – Max Riegel
    - 802.3 (40-01) - Marek Hajduczenia
    - 802.11 (41)– Joseph Levy
    - 802.15 (42) – Bob Heile
    - 3GPP RAN 2 (43) – Richard Burbidge
  - Next Steps
- **Wednesday**
  - Scope revision
    - Minutes (46)
    - EC summary (49)

Summary

- ▫ **Vibrant discussion**
  - · level set on ITU IMT-2020, IEEE 5G and 3GPP 5G
  - · assessment of 802 projects
    there are multiple projects that are related to 5G
  - · ~130 attendees but only 6 want to contribute
- ▫ **Consensus on**
  - · Report framework
  - · Meeting schedule and conference calls

- ▫ **Additional meeting - scope revision**
  - · Initiated based on view that some points were missing
    - · Spectrum and IMT-Advanced
  - · No consensus on revised scope...