



# IEEE 802 EC 5G/IMT-2020 standing committee

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Mentor DCN: EC-16-0061-05-5GSG 4/27/2016

# 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.**

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If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at [patcom@ieee.org](mailto: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>  
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# 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)

# Agenda for April 27th

- Review of future meeting schedule
- Plan for report (65)
- Contributions
  - ???

# 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](mailto:stds-802-5g@listserv.ieee.org)
- To subscribe
  - Use web interface (preferred):
    - <https://listserv.ieee.org/cgi-bin/wa?A0=stds-802-5g>
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  - Send email to:
    - [listserv@ieee.org](mailto: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 30<sup>th</sup> 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](#)

# 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 – 1-4pm HAST
- 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**

- Friday, May 20 1-4pm
- Location:
  - [Hilton Waikoloa Village](#)
  - Waikoloa, HI, USA
- [Registration](#)
- [Information](#)
  
- Join.me will be available
- Networking will be arranged

## **May 25 – IEEE 802.1**

- Wednesday, May 25 - 9h-12h
- Location:
  - [Hilton Budapest](#)  
Budapest, HU
- [Registration](#)
- [Information](#)
  
- Join.me will be available

# 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...