IEEE 802 EC
ITU standing committee

Glenn Parsons - Ericsson

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

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Agenda for November meeting

- Role of this standing committee
- IEEE membership in ITU
- IEEE-SA BOG International SDO advisory group
- Update on ITU-T JCA IMT-2020
- Review GSC-21
- Review WTDC
- Review other future meetings

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Role of the ITU standing committee

Objective

- Provide IEEE 802 input into IEEE-SA engagements with ITU
- Receive updates on IEEE-SA engagements with ITU
- Do not interfere with existing technical liaisons to ITU-T (e.g., in 802.1, 802.3)
- Do not interfere with existing regulatory and technical liaisons with ITU-R (e.g., in 802.18)

LMSC P&P section 5.6, item #2
http://standards.ieee.org/about/sasb/audcom/pnp/LMSC.pdf

- 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).

Operating practice

- Consensus
  - ▫ Any voting, approvals will be done by the EC
- Reciprocal attendance rights for 802 WGs
  - ▫ policy is per home WG
- Preperatory meetings for upcoming ITU events for IEEE
  - ▫ Formalize current volunteer engagement
  - ▫ Summarize issues to de discussed per ITU event
    - IEEE-SA staff will indicate targeted ITU events to guide the agenda
  - ▫ Review proposed positions/contributions
    - IEEE-SA staff or volunteers may propose
  - ▫ Hold conference calls as needed between plenaries

IEEE membership in ITU

IEEE and ITU

- IEEE is a Sector Member of ITU-T, ITU-R and ITU-D
  - Participate in the work of ITU-T Study Groups, Working Parties and expert groups, seminars, round tables, colloquia and workshops
  - Attend ITU and ITU-T decision-making bodies (e.g., ITU Plenipotentiary Conference, World Telecommunication Standardization Assembly)
  - ITU Council granted no fee sector membership ~2002
- IEEE is classified as a "regional or other international organization"
- IEEE is qualified as
  - ITU-T A.6 - Cooperation and exchange of information with national and regional SDOs
  - ITU-T A.5 - Making reference to documents from other organizations.

Register for a TIES Account

- Any IEEE 802 WG member may apply for a TIES Account under IEEE
  - Provides access to ITU-T documents
  - http://www.itu.int/online/mm/scripts/reg.screen1.html?_language id=1

Attendance at ITU

- Typically, volunteers attend under their company's membership
- Volunteer attendance at ITU meetings as an IEEE representative requires IEEE-SA approval
  - ITU-R liaison (Mike Lynch) has been approved

Contact

Jodi Haasz
International Affairs Senior Liaison
j.haasz@ieee.org

IEEE-SA BOG International SDO advisory group

Chair: Glenn Parsons

Scope

- Provide guidance of the relationship between IEEE-SA and ITU, IEC and ISO
- ITU Work items
  - ITU-D conferences
    - IEEE staff educational presentations
    - Identify potential fellowship participants
- GSC-21
  - IEEE-SA hosted in Vienna
  - 26-27 September 2017

GSC-21

- Leading SDO forum
  - ▫ ITU, ISO, IEC, IEEE, ETSI, ATIS, TIA, ARIB, CCSA, TTA, TTC, TSDSI
- General agenda
  - ▫ SDO summary of work program
  - ▫ Detailed discussion of 2-3 hot topics
- Hot topics
  - ▫ Artificial Intelligence
  - ▫ Smart Cities

Outcome

- All documents from GSC-21 are publicly available
- Communique
  - The development of artificial intelligence (AI) in autonomous systems will transform society...and requires the use of existing and new standards
  - Standards-bases smart city solutions will enable interoperability of services across cities and communities.

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Ongoing ITU-T conferences

ITU conferences - policy & governance

- Recent conferences
  - ITU-T Joint Coordination Activity on 5G/IMT 2020 - July
    - Contribution from IEEE, IEEE-SA remotely attended
  - ITU Telecom –Sept 2017
  - ITU-T CTO meeting – Sept 2017
    - understand the standardization needs for intelligence in 5G systems and the telecommunications sector.
    - standardization addressing short-distance, large-bandwidth and low-cost data center interconnection, edge cloud inter-networking, and emerging fronthaul and midhaul technologies to support the deployment of 5G systems.
  - ITU-T TSAG RG Strategic Standardization – Oct 2017
    - Champions for topics based on CTO communique
  - ITU-D World Telecommunication Development Conference – Oct 2017
    - IEEE-SA attended

ITU-D WTDC-17

- Provided an opportunity to engage governments, operators, regulators
- Internet Society had significant presence and led many side events
    - Held a community network side event to promote spectrum policy brief
- The WTDC outcomes in part serve as an important precursor to the preparations for the 2018 Plenipotentiary Conference.
- The texts of resolutions dealt with such subjects as:
    - Internet access and availability for developing countries (Resolution 23);
    - Conformance and interoperability testing (Resolution 47);
    - Alternative calling procedures (Resolution 22);
    - Mechanisms for enhancing cooperation on cybersecurity, including and combatting spam (Resolution 45);
    - IP address allocation and facilitating the transition to IPv6 in developing countries (Resolution 63);
    - Non-discriminatory access and use of Internet and modern telecommunication/ICT facilities, services and related applications (Resolution 20);
    - Role of telecommunication/ICTs in combating and dealing with counterfeit devices.

ITU conferences - policy & governance

- Upcoming conferences
  - TSB Director's IPR adhoc – Nov 2017
  - ITU-T Joint Coordination Activity on 5G/IMT 2020 – Nov 2017
    - Contribution from IEEE 802.1
  - ITU Plenipotentiary - November 2018 in Dubai, UAE

IEEE-SA Topics of interest in ITU

- Strategic plan of ITU
- Internet governance
- Addressing / numbering
- Privacy and trust
- Cooperation and collaboration with other SDOs
- Patent policy
- Open source

ITU-T JCA IMT-2020

Resolution 92 - Enhancing the standardization activities in the ITU-T related to non-radio aspects of international mobile telecommunications

- TSAG to coordinate among ITU-T SGs, encourage collaboration with other SDOs
- ITU-T SGs to report annually in ITU-T's standard strategy on IMT
- SG 13 to maintain roadmap of IMT, establish JCA IMT-2020
- SG 15 to promote studies on IMT's fronthaul and backhaul network standardization activities
- SG 11 to promote studies on non-radio aspects of IMT's signalling, protocol and testing
- SG 12 to promote studies on non-radio aspects of IMT service, QoS and QoE
- SG 17 to promote studies on IMT network and applications' security

JCA IMT-2020 - scope

- The scope of JCA-IMT2020 is coordination of the ITU-T IMT2020 standardization work with focus on non-radio aspects within ITU-T and coordination of the communication with standards development organizations, consortia and forums also working on IMT2020 related standards.

JCA-IMT2020 update

- Update from Scott Mansfield – chairman
  - https://mentor.ieee.org/802-ec/dcn/17/ec-17-0128-00-INTL-itu-t-jca-imt-2020-update.pdf
- Next meeting – Friday, Nov 10 - 11am
  - Announcement
  - Jodi Haasz will attend remotely
- Next – April 13, 2018

JCA contributions

- From IEEE-SA
  - ▫ IEEE-SA contribution introducing 5G related standards based on list prepared by IEEE 5G Initiative - http://5g.ieee.org/standards
- Liaison requesting update
  - ▫ https://www.itu.int/net/itu-t/ls/ls.aspx?isn=18569
- IEEE 802 responses
  - ▫ 802.1CM summary

IEEE 802 position

Summary

- ▫ The various ITU conferences for this year were reviewed.
  - • There is minimal impact to the work of IEEE 802
- ▫ GSC-21
  - • Summary of SDO activities, with focus on AI & smart cities is publicly available
- ▫ ITU-D WTDC
  - • Precursor for the 2018 Plenipotentiary Conference
  - • Internet Society was heavily engaged, including promoting "community networks" at side events
- ▫ ITU-T JCA IMT-2020
  - • IEEE-SA & IEEE 802.1 has provided input
  - • JCA considering meetings outside SG13
    - • Consider 802 IC activity to meet with JCA