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| ITU logo | INTERNATIONAL TELECOMMUNICATION UNION**TELECOMMUNICATIONSTANDARDIZATION SECTOR**STUDY PERIOD 2017-2020 | **TD 081** |
| **TSAG** |
| **Original: English** |
| **Question(s):** | N/A | Geneva, 1-4 May 2017 |
| **TD** |
| **Source:** | Rapporteur, RG-SC |
| **Title:** | Draft agenda RG-SC “Strengthening Cooperation/Collaboration” meeting |
| **Purpose:** | Discussion |
| **Contact:** | Glenn ParsonsRapporteur RG-SC | Tel: +1 613 963 8141E-mail: glenn.parsons@ericsson.com |
| **Keywords:** | RG-SC agenda |
| **Abstract:** | This TD provides the draft agenda for RG-SC meeting. |

**Action**: TSAG RG-SC invited to adopt this agenda.

| **Timing** | **#** | **Agenda Item** | **Docs** | **Summary and Proposal** |
| --- | --- | --- | --- | --- |
| **Wednesday****0930-1230** |  | **TSAG Rapporteur Group on Strengthening Cooperation/ Collaboration (RG-SC)** |  |  |
| **0930** | **1** | **Opening and welcome** |  |  |
|  | **2** | **Rapporteur, TSAG Rapporteur Group on Strengthening Cooperation/ Collaboration: draft agenda** | [TD 081](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0081) | This TD provides the draft agenda for RG-SC meeting.TSAG RG-SC invited to adopt this agenda. |
|  | **3** | **Recap of previous discussions** |  |  |
|  | 3.1 | RG-SC Rapporteur: Draft report TSAG Rapporteur Group "Strengthening Collaboration" meeting, 20 July 2016. | [TD 612 (Rev.1)](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-TSAG-160718-TD-GEN-0612) | Draft report TSAG Rapporteur Group "Strengthening Collaboration" meeting, 20 July 2016. |
|  | 3.2 | TSAG: Report of the last TSAG meeting | [R8](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T13-TSAG-R-0008) | Report of the fifth TSAG meeting held in Geneva, 18-22 July 2016 |
|  | **4** | **Organization of the work** |  | RG-SC mailing list: SharePoint: <https://extranet.itu.int/sites/itu-t/studygroups/2017-2020/tsag/sc/SitePages/Home.aspx>  |
|  | 4.1 | Terms of reference of RG-SC | [TD 099](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0099) Annex D | TD 099 Annex D holds the Terms of reference of RG-SCTSAG-RG-SC to note. |
|  | 4.2 | TSB: Mapping of WTSA Resolutions and ITU-T A-Series Recommendations to TSAG Rapporteur groups | [TD 069](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0069) Rev.2 | This document lists all WTSA-16 Resolutions, one Opinion – sorted thematically – and ITU-T A-Series Recommendations and Supplements to the A-Series, and proposes a mapping to the TSAG Rapporteur Groups.TSAG RG-SC is invited to review this document and to utilize it for its further business. |
|  | **5** | **Incoming liaison statements on external relations** |  |  |
|  | 5.1 | TSB Dir: Report of the 16th meeting of the IEC/ISO/ITU World Standards Cooperation (WSC) - Meeting held at the ITU (Geneva) on 16 February 2017 | [TD 077](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0077/en) | This is the report of the 16th meeting of the IEC/ISO/ITU World Standards Cooperation (WSC), held at ITU on 16 February 2017.TSAG to note. |
|  | 5.2 | IAB: LS on IAB Statement on IPv6 [from IAB] | [TD 021](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0021) | Internet Architecture Board (IAB) informs that the pool of unassigned IPv4 addresses has been exhausted, and advises that networking standards need to fully support IPv6 and to ensure that standards do not assume IPv4. Recommends that existing standards be reviewed to ensure they will work with IPv6, and use IPv6 examples.TSAG to note. |
|  | 5.3 | ITU-T representative to the MoU/MG on e-business: Information and actions from the Management Group of the MoU on e-business | [TD 071](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0071) | This document gathers relevant discussions at the 38th meeting of the Management Group of the ISO, IEC, ITU, UN/ECE memorandum of understanding (MoU) on e-business, which took place at ITU headquarters, 26-27 April 2017.Highlights to TSAG MoU/MG Resolution 17/03 on blockchain, and for MoU/MG Resolution 17/06 on IEC/SEG 8 seeks nomination of an ITU-T representative to IEC/SEG 8. |
|  | 5.4 | ITU-T Liaison Officer to JTC 1: Report of the ISO/IEC JTC 1 Plenary, 7-10 November 2016 | [TD 028](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0028) | Provides information of the ISO/IEC JTC 1 Plenary meeting.Proposes to RG-SC to investigate with the ISO/IEC JTC 1 liaison officer to ITU-T (Mr. Jim Macfie) what kind of interaction can be established with the new group on emerging technology and innovation. |
|  | **6** | **Inter-Sector coordination** |  |  |
|  | **6.1** | **Incoming liaison statements on Inter-Sector coordination** |  |  |
|  | 6.1.1 | SG20: LS/r on ITU inter-Sector coordination (reply to TSAG-LS017) [from ITU-T SG20] | [TD 002](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0002) | SG20 provides updated mappings of common interest areas of work between ITU-D and ITU-T SGs and between ITU-R and ITU-T SGs.TSAG RG-SC to implement. |
|  | 6.1.2 | SG9: LS/r on ITU inter-Sector coordination (reply to TSAG) [from ITU-T SG9] | [TD 003](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0003) | SG9 proposes a candidate topic “Liaison statement handling of IRG” on working methods for ITU inter-Sector coordination.SG9 proposes modifications to tables related to matching of ITU-D SG 1 and 2 Questions of interest to ITU-T study groups (Attachment 1) and Matching of ITU-R WPs of interest to ITU-T study groups (Attachment 2).TSAG RG-SC to implement. |
|  | 6.1.3 | SG12: LS on Operational Plan for Implementation of WTSA-16 Resolution 95 (Hammamet, 2016) [from ITU-T SG12] | [TD 017](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0017) | SG12 shares its operational plan for Implementation of WTSA-16 Resolution 95. SG12 seeks collaboration with ITU-D SG 1 on best practices and policies related to service quality.TSAG to note. |
|  | 6.1.4 | SG12: LS on continuation of joint activities under Intersector Rapporteurs Group on Audio-Visual Quality Assessment (IRG AVQA) [from ITU-T SG12] | [TD 018](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0018) | SG12 informs TSAG on ongoing consultations with SG9 regarding the intention of SG9 concerning continuing support of IRG AVQA.TSAG to note. |
|  | 6.1.5 | TSB: (updated) ITU inter-Sector coordination | [TD 057](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0057) | This TD within its two attachments provides consolidated updates to the attached tables with the Matching of ITU-D SG 1 and 2 Questions of interest to ITU-T study groups, and the Matching of ITU-R WPs of interest to ITU-T study groups.TSAG to note. |
|  | **6.2** | **ITU Inter-Sector Coordination Team (ISCT)** |  |  |
|  |  | Progress report from ISCT meeting |  |  |
|  | **6.3** | **ITU Inter-Sectoral Coordination Task Force (ISC-TF)** |  |  |
|  |  | TSB: ITU Secretariat's Inter-Sectoral Coordination Task Force - Progress and results achieved Progress and results achieved since July 2016 | [TD 108](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0108) | This TD provides information on the progress and results achieved by the ITU Secretariat’s Inter-Sectoral Coordination Task Force since July 2016.TSAG RG-SC is invited to note this document. |
|  | **7** | **Multilateral coordination/collaboration** |  |  |
|  |  | Mitsubishi Electric Corporation: Revised proposal for a new Global Coordination and Collaboration mechanism including multilateral collaboration with other bodies (Rev. 3) | [C 023](https://www.itu.int/md/T17-TSAG-C-0023/en) | This contribution proposes a new multilateral coordination/ collaboration mechanism among multiple SDOs and/or SDOs including ITU-T called Global Coordination and Collaboration (GCC), among multiple SDOs and/or SDOs including ITU-T, based on the original proposal presented in TSAG C-121 (Geneva, July 2016).Proposed new mechanism for coordination and collaboration, GCC: see section 3 of C 023. |
|  | **8** | **Open Source** |  | (ref. WTSA-16 Res. 90) |
|  | 8.1 | SG13: LS on Collaboration with Open Source Projects | [TD 055](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0055) | SG13 (Q14/13) informs TSAG on its experiences with open-source communities (OpenDaylight, ONOS, Ryu, OpenStack, OPNFV, ONF Atrium, OAI) related to SDN standardization and IMT-2020.TSAG to note. |
|  | 8.2 | Canada: Open Source and the ITU-T | [C 003](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-TSAG-C-0003) | The purpose of this contribution is to clarify the use of terminology related to open source software. Further it recommends that the ITU-T should raise awareness within the standards community on the use of open source software and methodologies.Concludes that ITU-T needs to be active in the standards ecosystem to determine how best to leverage the power of open source while maintaining the architectural constancy and interoperability that traditional standards bring.Recommends that:1. The ITU-T should generate a definition of open source.
2. The ITU-T should consider the adoption of the Open Source Initiative (OSI) definition for Open Source.
3. The ITU-T should also raise awareness within the standards community on the use of use open source, open source software, and open source methodologies for solution development and deployment.
4. The ITU-T further investigate the use of open source and contributions to TSAG are invited.
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|  | 8.3 | Canada: Open Source and Reference Implementation | [C 004](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-TSAG-C-0004) | This contribution responds to several questions in TSAG’s living list regarding open source and provides a recommendation on how to proceed.Recommends that:1. ITU-T groups consider developing reference implementations for their Recommendations and provide the resources needed for such development.
2. Further contributions on these elements as well as on other aspects of open source be invited.
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|  | 8.4 | China (P.R.): Considerations on the cooperation with open source communities to improve the ecosystems of ICT Standardization | [C 011](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T17-TSAG-C-0011) | According to the enquiries on open source listed in section 20.3.4 of TSAG Report 8 in July 2016, this contribution provides some requirements, analysis and proposals on the cooperation with open source communities, aiming to improve the global ecosystems of ICT Standardization. A new WTSA Resolution 90 “Open source in the ITU Telecommunication Standardization Sector” was approved in Nov 2016, which need further analysis and actions both in TSAG and Study Groups level.1. So it is proposed for TSB Director and TSAG Chairman to consider the situation and developing challenge of ITU-T recommendations in related Study Groups in this study period. Further requirements and analysis on the cooperation with specific open source communities in IMT-2020, clouding computing, SDN/NFV, IoT and other technical area are requested to be collected bottom up from Study Groups and members. Through effective open discussion and collaboration with management team of SGs, TSAG could output the suggestions and guidelines top down, which are very helpful for the future of ITU-T.

The following questions on generic procedures are proposed to be considered firstly as the start points for the research of guidelines for collaboration with Open Source Communities.1. How to solve the IPR issues with the related Open Source Community or Open Source Projects for specific ITU-T Recommendations?

In order to facilitate the further analysis of IPR issues with Open Source Community in IPR Ad-hoc Group, the ONF related projects, and ONAP, ODL, ONOS projects under the management of Linux Foundations are proposed to be chosen as the first batch of pilot projects for cooperation on SDN/NFV related ITU-T Recommendations.1. How to qualify the Open Source Communities as partnership and external cooperation of ITU-T in TSB or TSAG? Does it need to revise A.4, A.5 or set up a new A.sup work item for Open Source Community according to the further analysis?
2. In spite of the IPR issues and A.4/A.5 qualification issues, it is proposed that the cooperation relationships between ITU-T and Open Sources Communities, could be considered to follow the specification of ITU-T A.sup5 “Guidelines for collaboration and exchange of information with other organizations” [5], be carried out in one of three ways: by means of a liaison, by means of collaborative work or by means of a common team.
3. It is proposed for TSAG to consider the above requirements, possible relationships and procedure related proposals for the cooperation with Open Source Communities, and encourage the first trail of cooperation in the level of Study Groups or Rapporteurs Groups in ITU-T.
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|  | 8.5 | United States: Open Source and its Relationship to ITU Standardization Study Groups | [C 013](https://www.itu.int/md/T17-TSAG-C-0013/en) | This contribution from the United States provides examples of existing collaboration between the ITU-T study groups and the open source community, explains the organic process of open source code development, and proposes additional considerations that would lead to successful collaboration with the open source community without requiring formal guidelines or processes.The U.S. proposes the following suggestions be considered in order to foster successful collaboration with the open source community without requirement for formal guidelines or new processes:1. That TSAG study successful examples of open source reference implementations of ITU-T Recommendations to identify what factors contributed to successful collaborations and develop a list of lessons learned.
2. That TSAG, working in close cooperation with SG leadership teams, explore means of raising awareness of ITU-T recommendations to open source communities so those communities can identify any standards that might lend themselves to open source software implementations.
3. That TSAG advise the TSB Director to task the IPR AdHoc Group to review the relationship between the Open Source licensing types, licensing mechanisms, and the ITU’s own software copyright guidelines. Examples of such licensing mechanisms and verification of these licenses can be found at: <https://opensource.org/>
4. That the process already being followed to develop reference implementations be continued.
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|  | **9** | **Living List** |  |  |
|  | 9.1 | RG-SC Associate Rapporteur: Living List on issues regarding Strengthening Collaboration | [TD 609 Rev.1](https://www.itu.int/dms_inf/itu-t/md/13/tsag/td/160718/GEN/T13-TSAG-160718-TD-GEN-0609%21R1%21MSW-E.docx) | Living List from 2016 on issues regarding Strengthening Collaboration.TSAG RG-SC to note. |
|  | 9.2 | RG-SC Rapporteur: Living List on issues regarding Strengthening Collaboration | [TD 114](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0114) | This TD contains an updated Living List on issues regarding Strengthening Collaboration.TSAG RG-SC invited to consider this TD. |
|  | **10** | **Outgoing liaison statements** |  |  |
|  | 10.1 | Draft LS/o on ITU inter-Sector coordination [to ISCT, TDAG, ITU-D SGs, RAG, ITU-R SGs, ITU-T SGs] | [TD 102](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0102) | Contains a draft liaison statement on inter-Sector coordination with the updated tables with the Matching of ITU-D SG 1 and 2 Questions of interest to ITU-T study groups, and the Matching of ITU-R WPs of interest to ITU-T study groups. |
|  | 10.2 | TSAG Chairman: Draft LS/o on the IAB statement on IPv6 | [TD 113](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0113) | Contains a draft liaison statement to ITU-D SGs, ITU-R SGs, ITU-T SGs on the IAB statement on IPv6. |
|  | **11** | **TSB: List of collaboration mechanisms in ITU-T: FGs, JCAs, GSIs and IRGs (as of 2017-04-30)** | [TD 076](https://www.itu.int/md/T17-TSAG-170501-TD-GEN-0076/en) | This document contains an update of TD 206r1/RevCom (2016-01) with the list of current and active ITU-T Focus Groups (FGs), Global Standards Initiatives (GSIs), Joint Coordination Activities (JCAs) and Intersector Rapporteur Groups (IRGs) as of 20 April 2017. The collaboration on ITS, the United for Smart Sustainable Cities (U4SSC) initiative and then ITU/WMO/UNESCO IOC Joint Task Force on SMART (Science Monitoring and Reliable Telecommunications) submarine cable system are also included in the list.This TD also provides a list of groups that have ceased their activities since the last TSAG, and detailed historical data on Focus Groups. The average duration of FGs is 23 months, as shown in Table A.1. |
|  | **12** | **Work programme** |  | **(see Appendix below)** |
|  | **13** | **Future meetings,interim RG-SC e-meetings** |  | * The next TSAG meeting is proposed to be scheduled Tuesday 13 – Friday 16 March 2018.
 |
|  | **14** | **AOB** |  |  |
|  | **15** | **Closure of the meeting** |  |  |

**Appendix – Work items of TSAG-RG-SC**

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| **Work item** | **New/ Revised** | **Title** | **Editor** | **Latest draft in** | **Timing** |
| None. |  |  |  |  |  |

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