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| A black and white logo  Description automatically generated with low confidence | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | TSAG-TD011R1 |
| TSAG |
| Original: English |
| **Question(s):** | | | N/A | Geneva, 12-16 December 2022 |
| **TD** | | | | |
| **Source:** | | | Chairman, WP2/TSAG | |
| **Title:** | | | Report of the meeting of WP2/TSAG “Industry Engagement, Work Programme, Restructuring” (Geneva, 12 - 16 December 2022) | |
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| **Abstract:** | This TD represents the report of the WP2/TSAG meeting held in Geneva on 12 – 16 December 2022. |

**Action**: Review, approval, follow up on requests for action in clause 0.

1. **Actions for TSAG**

* **WP2-1**: Approve the addition to the Terms of Reference of WP2/TSAG – [TD011](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0011/en), Annex 1
* **WP2-2**: Approve the addition to the Terms of Reference of the RG-IEM – [TD011](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0001/en), Annex 2
* **WP2-3**: Note the closure of WTSA Action plan *Action 3* related to Smart Cables – [TD114](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0114/en)
* **WP2-4**: Note ongoing *Action 4* for Smart Cables from the WTSA Action plan
* - [TD114](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0114/en)
* **RG-WPR-4**: Approve outgoing Liaison Statement - [TD165](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0165) “LS on a progress report on the analysis of ITU-T study group restructuring”
* **WP2-5**: Approve the interim activities plan – clause 7 of this report
* **WP2-6:** Approve Liaison Statements on UAS and Q10/13 – [TD168](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0168), [TD169](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0169)
* **WP2-7**: Approve the WP2/TSAG meeting report – TD11-R1 (this document)

1. **General**

This is the first report of the newly created Working Party 2 (**WP-IEWPR**) that took place in Geneva on 12 – 16 December 2022. The meeting was chaired by the WP2 chairman, Ms Gaëlle Martin-Cocher (InterDigital, Canada) with the support of Mr Guy-Michel Kouakou (Côte d'Ivoire), WP2/TSAG Vice-chairman.

The chairman opened the meeting and introduced her vice-chairman, Mr Guy-Michel Kouakou (Côte d'Ivoire). She extended her warm welcome to all the delegates. In her opening remarks the chairperson expressed her high expectations for the productive meeting and good outcomes of the discissions. She explained that the goal was not to duplicate the work and to have a document be presented in one meeting only.

Agenda for the opening meeting was reproduced in [TSAG-TD009](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0009). Agenda for the closing plenary may be found in [TD010](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0010). Both were approved without any request to change.

1. **Terms of Reference and organization of the work**

TSAG plenary on 12 December 2022 agreed on the TSAG structure with two working parties. The Terms of Reference for the WP2 agreed by TSAG opening plenary may be found in [TSAG-TD64-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064). The detailed discussion on the Terms of Reference for the WP2 was entrusted to the WP opening session because C14 “Industry Engagement with the ITU-T” from Canada, Netherlands, Romania, Sweden and United Kingdom brought into picture a new objective for the WP2. After some clarifications the group agreed to insert

“To consider the CXO/CTO recommendations” as tenth bullet point into the ToR of WP2 on Industry Engagement, Work Programme, Restructuring (WP-IEWPR)

and

“To perform a review of the CXO/CTO coordination process” as second bullet point into the ToR of Rapporteur Group on Industry Engagement, Metrics (RG-IEM).

Both groups Terms of Reference may be found in Annex 1and Annex 2 of this report.

**Request to TSAG**: to approve these additions to the ToRs for WP2 and RG-IEM.

The structure of the WP2, as agreed by TSAG, is reproduced in Annex 2 of [TSAG-TD009](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0009). The meeting assessed its structure and found it appropriate for performing the assigned tasks.

1. **Documentation for the meeting**

3.1 [C14](https://www.itu.int/md/T22-TSAG-C-0014) “Industry Engagement with the ITU-T”

*That the review of the CxO/CTO coordination process should be included within the agreed terms of reference for both the proposed TSAG Working Party 2: industry Engagement, Work Programme, Restructuring (WG-IEWPR), and the proposed TSAG Rapporteur Group on Industry Engagement Metrics (RG-IEM).*

C14 ToR update part was addressed during Terms of Reference discussion. The two other proposals in C14 were entrusted to the RG-IEM for consideration.

* 1. WTSA **Action plan** in [TD065-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0065) has one action item to the attention of the WP2.

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| *22-05* | *TSAG to review and coordinate standardization strategies for ITU‑T by identifying the main technological trends and market, economic and policy needs in the fields of activity relevant to the mandate of ITU‑T, and identify possible topics and issues for consideration in ITU‑T's standardization strategies (resolves 6)* | *For WP2* |

There were no inputs to this action item at this meeting and the chairman pointed out the importance of this topic and invited contributions to be submitted to the future meetings.

3.3 CxO consultation meeting **Communique** (Dubai, 6 December 2022) and industry engagement – [C14](https://www.itu.int/md/T22-TSAG-C-0014), [C20](https://www.itu.int/md/T22-TSAG-C-0020), [TD069](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0069)

C14 see above.

The paragraph in C20 (“Industry Engagement: observations and proposals” from Broadcom) related to the CxO process was briefly introduced to the participants as part of the ToR discussion.

The meeting agreed to entrust C20 to RG-IEM for detailed discussions.

Presenting Communique, Dr Bilel Jamoussi, Study Groups Department Chief, highlighted the discussion topics, namely the AI and machine learning, environmental sustainability, sustainability reporting and how to measure those, metaverse, quantum communications and 5G. A number of questions about the organization of CoX meeting were addressed.

The meeting took good note of the communique in TD069.

3.4 **Smart cables** work

[C12](https://www.itu.int/md/T22-TSAG-C-0012) “SG15 work on SMART cables” from Canada and Cienna reports on the ongoing work in SG15 on this subject. It was complemented by intervention from the SG15 chairman, Mr Glenn Parsons, who brought to the attention of the meeting the ongoing related work in his group performed in G.smart and G.dssc. TD[114](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0114) “Text on "SMART Submarine Cable Systems” by TSB brings to the meeting the instructions from WTSA-20, in particular, **WTSA-20 Action 3**

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| *22-19* | *WTSA-20 to forward the text on “SMART Submarine Cable Systems” to TSAG for coordination and to the relevant study groups for action, as appropriate. (WTSA-20 Action 3)* |

The meeting felt the Action 3 is accomplished and that coordination between SGs on this topic, as necessary, will be address as part of the RG-WPR regular coordination process.

**Request to TSAG**: To note that the WTSA-20 *Action 3* is completed.

**Request to TSAG**: To note that the WTSA-20 *Action 4* from TD114 is ongoing:

**WTSA-20 Action 4** instructs ITU-T study groups to study the concept of SMART cables and encourage further consideration of related issues that impact the feasibility of related projects and the deployment of SMART cables, invites the study groups to report on their activities to TSAG as part of their regular reporting.

The co-chairman of IEC-ISO-ITU Joint Smart City Task Force (J-SCTF), Mr Hyoung Jun Kim, briefly presented TD046 that contains a set of documents including the progress report. The meeting noted TD046.

4 **Focus Group** FG-QIT4N

TDs GEN [86](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0086), [90](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0090), [101](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0101) from SGs 5, 16 and 20 mainly thanked FG-QIT4N for the excellent work and informed about their future review of FG Deliverables. In the interests of time these incoming LSs were noted by the meeting without being opened.

**5 Coordination activities**

ITU-T A.4, A.5, A.6 new qualifications list compiled by TSB in [TD51/GEN](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0051) with two new organizations qualified under criterions of Recommendations ITU-T A.5 was well received. The question from the floor about the status of IPR documents to be submitted by OneM2M was deferred to the SG20 follow up and discussion.

In the interest of time, [TD76/GEN](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0076) on access to documents on intersectoral activities, was noted without presentation.

**6 Review of the results of the Rapporteur Groups**

Allocation of the documents to the Rapporteur Groups may be found in Annex 3 of this report for

RG-WPR and RG-IEM, which was agreed without any changes.

6.1 **TSAG RG-WPR**

The Report of the work accomplished by the TSAG-RG-WPR ([TD017](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0017/en)) was presented by the Rapporteur, Ms Miho Naganuma, NEC Corporation. Report of this RG was approved.

[TD152-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0152/en) represents *the project plan to implement the action plan for the analysis of ITU-T study group restructuring*. It was introduced and agreed.

The RG-WPR produced an outgoing Liaison Statement (*on a progress report on the analysis of ITU-T study group restructuring*) that may be found in [TD165](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0165/en). The text was agreed for dispatching.

WP2 reviewed the two following requests:

* TSAG is invited to request SGs 16, 17 and 20 to provide information on work related tounmanned aircraft systems (UAS) and issues that need coordination with ISO/IEC JTC 1*.*

After further discussions, it was identified that a liaison was necessary.

A liaison was drafted, in [TD168](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0168/en), on the basis of the RG-WPR report with further addition of SG13 and SG11 and adding a request for coordination with the ITU-R SGs 4, 5 as well as WP4A, WP4C, WP5B, RAG.

WP2 agreed to send the liaison to TSAG for approval.

The ISO Liaison Officer was requested to provide more information on the UAS activities in ISO/IEC, who pointed to TD130-R1 which contains the list of ongoing work items in ISO on this Topic

* TSAG is invited to request SG13 to reconsider the wording for Q10/13 taking into account of the discussion and [TD141](https://www.itu.int/md/meetingdoc.asp?lang=en&parent=T22-TSAG-221212-TD-GEN-0141) (SPCG).

After further discussions, it was identified that a liaison was necessary.

A liaison was drafted on the basis of the RG-WPR report in [TD169](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0169/en).

WP2 agreed to send the liaison to TSAG for approval.

Finally, the RG-WPR requested the following interim activities to pursue its work:

* 15 February 2023, 12:30 – 14:30 CET, topics: available data, proposals for KPIs (how to use data)
* 15 March 2023, 12:30 – 14:30 CET, topics: Available data, proposals for KPIs, relative priorities of KPIs, how conducive current structure is to the standardization process
* 19 April 2023, 12:30 – 14:30 CEST, topics: Refining Data and KPIs, priorities of KPIs, Int’l nature of current structure, new structure
* 23 May 2023, 12:30 – 14:30 CEST, with focus on Finalizing data and KPIs for reporting to TSAG, new structure

with a contribution deadline 7 days before the meetings.

This schedule along with the target objectives was agreed by the meeting.

6.2 **TSAG-RG-IEM**

The Rapporteur in charge of the RG-IEM, Mr Glenn Parsons, Ericsson Canada, walked the participants though the meting report of his group found in [TD013](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0013/en)-R1. The report was agreed .

Baseline for the development of an action plan for industry engagement is found in [TD153-R21](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0153/en). It was presented to the meeting and agreed.

In the future the RG-IEM plans to meet virtually:

* + 31 January 2023, 13:00-15:00 Geneva time. Main topic: Action plan;
  + 7 Mar 2023, 13:00-15:00 Geneva time. Main topic: WTSA Resolution 68;
  + 4 Apr 2023, 13:00-15:00 Geneva time. Main topic: metrics;
  + 5 May 2023, 13:00-15:00 Geneva time: Main topic: new technologies mechanism.

with a contribution deadline 7 days before the meetings.

This schedule along with the ToRs for each meeting was agreed by the meeting.

A comment was made that this activity is related to the activity on restructuring, and as the work develops, coordination is sought between RG-IEM and RG-WPR.

**7 Future Meetings**

The following interim meetings schedule was agreed:

**RG-WPR**

Virtual meetings with contribution deadline 7 days before the start date.

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| **Date, Time** | **Objectives** | **Contribution Deadline** |
| 15 February 2023, 12:30 – 14:30 CET (11:30 – 13:30 UTC) | Available data, proposals for KPIs (how to use data) | 8 February 2023, 23:59 CET |
| 15 March 2023, 12:30 – 14:30 CET (11:30 – 13:30 UTC) | Available data, proposals for KPIs, relative priorities of KPIs, how conducive current structure is to the standardization process | 8 March 2023, 23:59 CET |
| 19 April 2023, 12:30 – 14:30 CEST (10:30 – 12:30 UTC) | Refining Data and KPIs, priorities of KPIs, Int’l nature of current structure, new structure | 12 April 2023, 23:59 CEST |
| 23 May 2023, 12:30 – 14:30 CEST (10:30 – 12:30 UTC) | Finalizing data and KPIs for reporting to TSAG, new structure | 16 May 2023, 23:59 CEST |

**RG-IEM**

Virtual meetings with contribution deadline 7 days before the start date.

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| --- | --- |
| **Date, Time** | **Objectives/Main topic** |
| 31 January 2023, 13:00-15:00 Geneva time | Action plan |
| 7 Mar, 13:00-15:00 Geneva time | WTSA Resolution 68 |
| 4 Apr, 13:00-15:00 Geneva time | Metrics |
| 5 May, 13:00-15:00 Geneva time | New technologies mechanism |

In addition, **a WP2/TSAG meeting** with RGs meeting will be scheduled **first week of October 2023**. The membership is invited to contribute and take good note of these dates to progress the work efficiently.

Participants expressed the wish to avoid 2 May 2023 (because of the national holiday in China) and in general not having the meeting overlapping with SGs plenaries. It was further clarified that overlap between WP2 RGs and WP1 RGs meeting will be avoided to the extent possible.

**8 Closure**

The WP2 chairman extended her appreciation to the members of the WP2/TSAG management team and all the delegates for the active participation and contributions to the success of the meeting. Thanks went also to all the TSB team supporting this meeting.

**Annex 1 – Terms of Reference for**

**WP2 on Industry Engagement, Work Programme, Restructuring (WP-IEWPR)**

* Consider issues related to work programme and study group structure for 2022-2024 study period.
* Develop the detailed study group structure for the next study period.
* Develop a report and proposal(s) to be submitted by TSAG to WTSA-24 on study group responsibilities, mandates and allocation of work to be defined in WTSA Resolution 2.
* Review of the Lead Study Group reports.
* Review of proposed new or modified ITU-T study group Questions.
* Coordination of matters crossing ITU-T study groups.
* Establish an appropriate mechanism to examine and coordinate work on new and emerging technologies (Res.22 resolves 5, 6, 7).
* To coordinate on “SMART Submarine Cable Systems” with relevant ITU-T study groups.
* To consider the issue of industry engagement discussed at WTSA-20, including Resolution 68 (Rev. Hammamet, 2016), draft revised Resolution 68. (WTSA-20 Action 10).
* To consider the CXO/CTO recommendations
* To implement the action plan for the analysis of ITU-T study group restructuring, and to undertake, monitor and guide the work through a rapporteur group or other appropriate group, and make a progress report on the analysis at each TSAG meeting (WTSA Res.99 instructs TSAG 1).
* TSAG to submit a report with recommendations for consideration by the next WTSA (WTSA Res.99 instructs TSAG 3).
* Cooperation with WSC, ISO/IEC JTC 1, ISO/IEC/ITU-T SPCG, UPU, and other SDOs and Fora, Consortia etc.
* Inter-Sector coordination with other ITU Sectors (ITU-D/TDAG, ITU-R/RAG, ISCG, ISC-TF) on matters of mutual interest.

**Annex 2 – Terms of Reference for Rapporteur Group on Industry Engagement, Metrics (RG-IEM)**

* To consider the issue of industry engagement discussed at WTSA-20, including Resolution 68 (Rev. Hammamet, 2016) or draft revised Resolution 68. (WTSA-20 Action 10).
* To perform a review of the CXO/CTO coordination process
* Establish an appropriate mechanism at TSAG level to be used at the study group level and at the Focus group level to examine and coordinate work on new and emerging technologies (Res.22 resolves 5, 6, 7).
* Review outcomes of former RG-StdsStrat (e.g. metrics, statistics).
* Review metrics and analyse statistics.
* Develop a plan to attract intensive industry participation in order to take account of latest technical trends and market needs.

**Annex 3 – List of documents allocated to**

**WP2 on Industry Engagement, Work Programme, Restructuring (WP-IEWPR)**

# Contributions

| **Contribution #, Source**  **Title** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| --- | --- | --- | --- |
| [C12](https://www.itu.int/md/T22-TSAG-C-0012): Canada, Ciena Canada  SG15 work on SMART cables | [C12](https://www.itu.int/md/T22-TSAG-C-0012) |  |  |
| [C14](https://www.itu.int/md/T22-TSAG-C-0014): Canada, Netherlands, Romania, Sweden, United Kingdom  Industry Engagement with the ITU-T | [C14](https://www.itu.int/md/T22-TSAG-C-0014) (CxO meeting- ToR) |  | [C14](https://www.itu.int/md/T22-TSAG-C-0014) |
| [C15-R1](https://www.itu.int/md/T22-TSAG-C-0015): China Information Communication Technologies Group, China Mobile Communications Co. Ltd., China Telecommunications Corporation, China Unicom, Huawei Technologies Co., Ltd. (China), ZTE Corporation (China)  On membership engagement in ITU-T |  |  | [C15-R1](https://www.itu.int/md/T22-TSAG-C-0015) |
| [C20](https://www.itu.int/md/T22-TSAG-C-0020): Broadcom Corporation (United States)  Industry Engagement: observations and proposals | [C20](https://www.itu.int/md/T22-TSAG-C-0020) (CxO meeting) |  | [C20](https://www.itu.int/md/T22-TSAG-C-0020) |

# TDs

| **TD#, Source**  **Title** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| --- | --- | --- | --- |
| [TD012](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0012): Rapporteur RG-IEM  Agenda RG-IEM |  |  | [TD012](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0012) |
| [TD016](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0016): Rapporteur RG-WPR  Agenda RG-WPR |  | [TD016](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0016) |  |
| [TD025](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0025): TSB  Statistics regarding ITU-T study group work (position of 2022-12-05) |  |  | [TD025](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0025) |
| [TD026](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0026): TSB  ITU-T study group Question level statistics (2022) |  |  | [TD026](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0026) |
| [TD029](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0029): SG2  LSG2 Report |  | [TD029](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0029) |  |
| [TD030](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0030): Chairman, ITU-T Study Group 3  ITU-T SG3 Lead Study Group Report |  | [TD030](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0030) |  |
| [TD031](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0031): ITU-T SG5  LS/i on ITU-T SG5 Lead Study Group Report [from ITU-T SG5] |  | [TD031](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0031) |  |
| [TD032](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0032)-R1: SG9  LSG9 Report |  | [TD032-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0032) |  |
| [TD033](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0033): Chairman, ITU-T Study Group 11  ITU-T SG11 Lead Study Group Report |  | [TD033](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0033) |  |
| [TD034](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0034): Chairman, ITU-T SG12  ITU-T SG12 Lead Study Group Report |  | [TD034](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0034) |  |
| [TD035](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0035): SG13  LSG13 Report |  | [TD035](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0035) |  |
| [TD036](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0036): Chairman, ITU-T SG15  ITU-T SG15 Lead Study Group Report |  | [TD036](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0036) |  |
| [TD037](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0037): Chairman, ITU-T SG16  ITU-T SG16 Lead Study Group Report (March-December 2022) |  | [TD037](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0037) |  |
| [TD038](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0038): ITU-T SG17  LS/i on ITU-T SG17 Lead Study Group Report [from ITU-T SG17] |  | [TD038](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0038) |  |
| [TD039](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0039): ITU-T SG20  LS/i on ITU-T SG20 Lead Study Group Report [from ITU-T SG20] |  | [TD039](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0039) |  |
| [TD044](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0044): ITU-T Liaison Officer to ISO/IEC JTC 1  Reports from ISO/IEC JTC 1 plenaries (9-13 May 2022 virtual, and 14-18 November 2022, Tokyo, Japan) |  | [TD044](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0044) |  |
| [TD046](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0046): J-SCTF  Progress report of IEC-ISO-ITU Joint Smart City Task Force (J-SCTF) | [TD046](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0046) |  |  |
| [TD051](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0051): TSB  Organizations newly qualified for ITU-T A.4, A.5 and A.6 in 2022 | [TD051](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0051) |  |  |
| [TD059-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0059): TSB  List of incoming and outgoing liaison statements (TSAG, Geneva, 12-16 December 2022) | [TD059-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0059) | [TD059-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0059) | [TD059-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0059) |
| [TD064](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064)-R1: Chairman, TSAG  Proposed TSAG structure, organization, and leadership for the 2022-2024 study period | [TD064-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064) | [TD064-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064) | [TD064-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064) |
| [TD065](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0065)-R1: Chairman, TSAG  TSAG Action plan for the 2022-2024 study period | [TD065](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0065)-R1 | [TD065](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0065)-R1 | [TD065](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0065)-R1 |
| [TD068](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0068): TSB  New actions for TSAG from PP22 |  |  | [TD068](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0068) |
| [TD069](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0069): TSB  Communiqué of the TSB Director CxO consultation meeting, 6 December 2022 | [TD069](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0069) |  |  |
| [TD074](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0074): ITU-T SG2  LS/i on Telecommunication Management and OAM Project Plan [from ITU-T SG2] |  | [TD074](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0074) |  |
| [TD076](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0076): ISCG  LS/i on Access to documents on intersectoral activities [from ISCG] | [TD076](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0076) |  |  |
| [TD078](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0078): ITU-T SG17  LS/r on Intelligent Transportation Systems (ITS) (reply to TSAG-LS49) [from ITU-T SG17] |  | [TD078](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0078) |  |
| [TD079](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0079): ITU-T SG11  LS/i on ITU recognition of Testing Laboratories [from ITU-T SG11] |  | [TD079](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0079) |  |
| [TD081](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0081): ITU-T SG13  LS/i on the approval of a new ITU-T Supplement on use cases for autonomous networks [from ITU-T SG13] |  | [TD081](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0081) |  |
| [TD082](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0082): ITU-T SG13  LS/i on the consent of Recommendation ITU-T Y.3181 (ex-Y.ML-IMT2020-sandbox): “Architectural framework for Machine Learning Sandbox in future networks including IMT-2020” [from ITU-T SG13] |  | [TD082](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0082) |  |
| [TD083](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0083): ITU-T SG11  LS/i on work progress on QKDN protocols in SG11 [from ITU-T SG11] |  | [TD083](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0083) |  |
| [TD086](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0086): ITU-T SG5  LS/r on the outcomes of FG QIT4N (reply to TSAG-LS46) [from ITU-T SG5] | [TD086](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0086) |  |  |
| [TD090](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0090): ITU-T SG20  LS/r on the outcomes of FG QIT4N (reply to TSAG-LS46 and FG-QIT4N-LS24) [from ITU-T SG20] | [TD090](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0090) |  |  |
| [TD091](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0091): ITU-T SG13  LS/r on request to update security contacts and to provide information on security-related Recommendations or other texts under development (reply to SG17-LS2) [from ITU-T SG13] |  | [TD091](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0091) |  |
| [TD095](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0095): ITU-T SG13  LS/i on Establishment of the Correspondence Group for datasets applicable for AIML in networks (CG-datasets for AIML in networks) [from ITU-T SG13] |  | [TD095](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0095) |  |
| [TD097](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0097): ITU-T SG15  LS/i on the new version of the Access Network Transport (ANT) Standards Overview and Work Plan [from ITU-T SG15] |  | [TD097](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0097) |  |
| [TD098](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0098): ITU-T SG15  LS/i on the new version of the Home Network Transport (HNT) Standards Overview and Work Plan [from ITU-T SG15] |  | [TD098](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0098) |  |
| [TD099](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0099): ITU-T SG15  LS/i on OTNT Standardization Work Plan Issue 31 [from ITU-T SG15] |  | [TD099](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0099) |  |
| [TD101](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0101): ITU-T SG15  LS/r on the outcomes of FG QIT4N (reply to TSAG-LS46) [from ITU-T SG15] | [TD101](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0101) |  |  |
| [TD112](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0112): Director, TSB  Outcome of PP-22 concerning a draft new Resolution on industry participation |  |  | [TD112](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0112) |
| [TD114](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0114): TSB Director  Text on “SMART Submarine Cable Systems” | [TD114](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0114) |  |  |
| [TD125](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0125): ITU-T SG13  LS/i on new Question 10/13 [from ITU-T SG13] |  | [TD125](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0125) |  |
| [TD134](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0134/en): ITU-T SG2  LS on issues arising from discussions on re-numbering of Kazakhstan’s E.164 country code [from ITU-T SG2] |  | [TD134](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0134/en) |  |
| [TD121](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0121)-R1: TSAG management team  Guidance on principles for reviewing WTSA resolutions |  | [TD121](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0121)-R1 |  |
| [TD124-R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0124): TSAG management team  TSAG, WTSA20 and PP22 results and reference materials related Work Programme and Restructuring, SG work, and SG Coordination (RG-WPR) |  | [TD124](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0124)-R1 |  |
| [TD128](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0128): ITU-T WP1/13  LS/i on the initiation of the new work item Y.AN-Arch-fw Architecture Framework for Autonomous Networks [from ITU-T WP1/13] |  | [TD128](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0128) |  |
| [TD130](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0130): Liaison officer to ISO/IEC JTC 1  Report of the ISO/IEC JTC 1 Plenary, (Tokyo, November 2022) |  | [TD130](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0130) |  |
| [TD131](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0131): Director, TSB  Reference material for WTSA-20 Action 10 "Industry engagement" |  |  | [TD131](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0131) |
| [TD141](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0141): SPCG Chair  IEC/ISO/ITU SPCG recommendation on ITU/TSAG (from ITU-T SG13) proposal for new Question 10/13 on Future networks coordination |  | [TD141](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0141) |  |
|  | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| *Number of documents* | 13 | 34 | 12 |

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