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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-TD180R2 |
| TSAG |
| Original: English |
| **Question(s):** | | | N/A | Geneva, 30 May – 2 June 2023 |
| **TD** | | | | |
| **Source:** | | | Chairman, WP2/TSAG | |
| **Title:** | | | Report of the meeting of WP2/TSAG “Industry Engagement, Work Programme, Restructuring” (Geneva, 30 May – 2 June 2023) | |
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| **Abstract:** | This TD represents the report of the WP2/TSAG meeting held in Geneva on 30 May – 2 June 2023. |

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

**0 Actions for TSAG**

1. **RG-IEM-1**: Agree *the Action plan for a vibrant engagement of the industry*, [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256/en).
2. **RG-IEM-2:** Agree the plan for convening *the Industry Engagement workshop* in spring 2024 and set up its steering committee with the terms of reference as found in [TD257-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257), as well as in Annex 1 of this report.
3. **WP2-1**: Note the appointment of the chairman of this steering committee – Mr Didier Berthoumieux (Nokia Corporation Finland)
4. **RG-WPR-1**: Agree *the baseline text for report of the analysis of ITU-T study group restructuring alternatives (and KPIs)* – [TD214-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0214/en)
5. **RG-WPR-2**: Note the report to TSAG on the implementation of the action plan for analysis of ITU-T structural alternatives - [TD234-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234/en)
6. **RG-WPR-3:** Take into account the updated matrix of work areas across the ITU-T study groups - [TD277](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0277/en)
7. **WP2-2**: Agree the interim activities plan – clause 7 of this report
8. **RG-IEM-3:** Approve Liaison Statement *on Incubation mechanism* – [TD290-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0290/en)
9. **RG-WPR-4**: Approve Liaison Statement on *status of structural alternatives work* - [TD292-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0292/en)
10. **RG-IEM-4**: Request the TSB to incorporate, as appropriate, the information provided in TSAG-C022 in a Collective announcing the next TSAG meeting (or a standalone TSB Circular).
11. **WP2-3**: Approve the WP2/TSAG meeting report – TD180-R1 (this document)
12. **General**

The second meeting of the TSAG Working Party 2 (**WP-IEWPR**) took place in Geneva on 30 May – 2 June 2023. 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 welcomed the participants. The WP2 vice-chairman, Mr Guy-Michel Kouakou (Côte d'Ivoire) provided the opening address to the meeting. In his address he said, in particular, that the issues dealt with in this working party are highly important for the issue of standardization within the ITU.

Agenda for the opening meeting was reproduced in [TSAG-TD178](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0178/en). It was approved with addition to the Annex 1 (list of documents) TDs 281 and 279 that would be considered in the meetings of the Rapporteur Groups on industry engagement and work programme and restructuring. Complete list of documents WP2 considered in this meeting may be found in Annex 2 of this report.

Agenda for the closing plenary may be found in [TD179](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0179/en). It was approved without any request to change.

1. **Review of the WP2/TSAG virtual interim activities (January – May 2023)**
   1. **RG-WPR** reportedthe progress in 4 interim activities in[TDs 234](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234), [TD278](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0278). TD278 was introduced by the RG-WPR Rapporteur, Ms Miho Naganuma. This document was entrusted to the RG-WPR then. Mr Greg Ratta, RG-WPR Associate Rapporteur, explained that the TD 234 was prepared in line with the obligation to report the progress to date and it, in essence, extracts the main key outcomes reported in details in TD 278 (like alternative approaches on restructuring, well progressed KPIs).

*The baseline text for report of the analysis of ITU-T study group restructuring alternatives* (current [TD265](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0265)) and KPIs are the objectives for the agreement at the closing plenary subject to the progress at this TSAG meeting.

* 1. **RG-IEM** reported its progress to date in 4 virtual interim meeting through

- progress report [TD232](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0232), that was introduced by Mr Glenn Parsons, the Rapporteur for RG-IEM

- action plan [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256) *“Draft ITU-T action plan for a vibrant engagement of the industry”*

- Industry Engagement workshop [TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257) *“Draft ToR for the ITU-T Industry Engagement Workshop Steering Committee”*

- study, new and emerging technologies [TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258) *“Draft RG-IEM study on a mechanism to address new and emerging technologies in ITU-T”* by RG-IEM Rapporteur was noted by the meeting without being opened.

[TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256) *“Draft ITU-T action plan for a vibrant engagement of the industry”* was introduced by the RG-IEM Rapporteur, Mr Glenn Parsons, who highlighted the four pillars the report is based on, those should have mapped to different points within the action plan. Furthermore, presenter pointed out that the clause 4 of this document was already approved at the last TSAG meeting.

The WP2 meeting agreed this document as in [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256) to be proposed to the TSAG closing plenary for approval for implementation.

[TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257) *“Draft ToR for the ITU-T Industry Engagement Workshop Steering Committee”* is a current status of the terms of reference for the Industry Engagement workshop steering committee. This document in its output form from this meeting will be submitted for consideration for agreement.

Presentation of [TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258/en) *“Draft RG-IEM study on a mechanism to address new and emerging technologies in ITU-T”* invoked the proposal that outcomes of the IEM group should be shared with Council. The meeting chairman stated that once the document is more stable and mature the issue can be re-discussed.

1. **Documentation for the meeting**

**3.1** [TD273](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0273) contains the information on CTO/CxO meetings. This document was introduced by the Chief of the ITU-T Study Groups department, Mr Bilel Jamoussi. It invoked the live discussion and some questions for clarification. As a result, the revised version, [TD273-R1,](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0273) was posted. It clarified with citation from the WTSA Resolution 68 the purpose of the meeting. Further, a proposal that the RG-IEM can identify a topic for the CTO/CxO meetings based on inputs from the membership was considered and deferred to the RG-IEM for consideration.

**4 Coordination activities**

**4.1** ITU-T A.4, A.5, A.6 new qualifications list compiled by TSB in [TD219](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0219) with a new organization qualified under criterions of Recommendations ITU-T A.4 was noted by the meeting without being opened in the interest of time.

**4.2** In the interest of time [C29](https://www.itu.int/md/T22-TSAG-C-0029) on *Proposed way forward for Recs. ITU-T A.4, A.5 and A.6 and related qualified organizations* (from InterDigital Canada) and [TD275-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0275) “*Working document to discuss a possible way forward for Recs ITU-T A.4 and A.6”* from the RG-WM Rapporteur were deferred for being presented and discussed to the WP-WM Ad-hoc on a proposed way forward for Recs ITU-T A.4, A.5 and A.6.

**4.3** Taking into account the coming start of the new study period for ITU-R from fall 2023, the action on the LS from RAG with *Work related to Unmanned Aircraft Systems (UAS) and other Radiocommunication Systems*, [TD259](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0259), was deferred to the next TSAG meeting (February – March 2024).

**5 Ad-hoc group**

The chairman announced the intention to have the meeting of the WP2 ad-hoc on SG chairmen consultation on restructuring, on 31 May 2023. The meeting agreed to this activity. As outcome,

* Almost all SG chairmen joined the meeting and exchanged with views.
* The purpose of the mapping technology areas matrix was clarified as to look into the overlaps and complementarities, with the perspective to combine some studies, currently fragmented in different SGs, in one place/group, where suitable. Recognize the importance and differences between the vertical and horizontal topics for standardization.
* The Lead SG roles concept was clarified.
* All interested parties were engaged into the work and review of the mapping table.
* The SG Chairmen expressed an interest in continuing the discussion on a regular basis.

The current version of the *Updated matrix of work areas across the ITU-T study groups* may be found in [TD277](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0277/en).

After some discussions at the WP2 closing plenary, it was noted that in TD277, the prime responsibility on QKD for security lies in SG17 and that footnote 9 needs to be revised to reflect the QKD related work happening respectively in the different SGs. The chairs and in particular the chairs of SG13 and 17 are invited to proposed improvements to the matrix as per the liaison in TD292-R1 for the next TSAG meeting.

**6 Review of the results of the Rapporteur Groups (30 May – 2 June 2023, Geneva)**

The agreed allocation of the documents to the Rapporteur Groups may be found in Annex 2 of this report for RG-WPR and RG-IEM.

**6.1** **TSAG RG-WPR**

The Report of the work accomplished by the TSAG-RG-WPR ([TD186](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0186/en)) was presented by the Rapporteur, Ms Miho Naganuma, NEC Corporation. Report of this RG was approved.

Key meeting outcomes as presented by the TSAG-RG-WM Rapporteur:

* Baseline text for report of the analysis of ITU-T study group restructuring alternatives  – [TD214-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0214/en). It was briefly introduced and agreed.
* Report to TSAG on the implementation of the action plan for analysis of ITU-T structural alternatives - [TD234-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234/en). It was noted by the meeting.
* Updated matrix of work areas across the ITU-T study groups - [TD277](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0277/en). See clause 5 for the results of discussions at the WP2 closing plenary. Matrix was noted by the meeting.
* Outgoing Liaison Statement on status of structural alternatives work - [TD292](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0292/en). The text of the Liaison Statement was agreed by the WP2 as found in [TD292-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0292/en).
* Future meetings plan as depicted in clause 5.4 of [TD186](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0186/en). (See also clause 7 below.)

Actions for TSAG:

* **RG-WPR-1**: Agree *the baseline text for report of the analysis of ITU-T study group restructuring alternatives (and KPIs)* – [TD214-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0214/en).
* **RG-WPR-2**: Note the report to TSAG on the implementation of the action plan for analysis of ITU-T structural alternatives - [TD234-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234/en).
* **RG-WPR-3:** Take into account the updated matrix of work areas across the ITU-T study groups - [TD277](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0277/en).
* **RG-WPR-4**: Approve Liaison Statement on *status of structural alternatives work* - [TD292-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0292/en).

**6.2** **TSAG-RG-IEM**

The Rapporteur in charge of the RG-IEM, Mr Glenn Parsons, Ericsson Canada, walked the participants through the meting report of his group found in [TD182](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0182/en). The report was agreed as appears in [TD182-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0182/en).

The key outcomes of the RG-IEM meeting, as highlighted by the Rapporteur:

* *Industry Engagement* workshop organization:
* Objectives and timing – spring 2024
* Steering committee terms of reference - [TD257-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257). Document was presented to the meeting and agreed (see Annex 1 to this report).
* Call for the Steering committee chairman volunteer. The WP2 chairman announced the name of the volunteer to carry on the leading role for *the industry engagement workshop* steering committee, Mr Didier Berthoumieux from Nokia Corporation Finland. WP2 closing plenary supported this appointment.
* Call for steering committee members
* Outgoing Liaison Statement *on Incubation mechanism* – [TD290](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0290/en)-R1. The text was agreed by WP2 for dispatching.
* Future meetings (see also clause 7 below).
* Request the TSB to incorporate, as appropriate, the information provided in [TSAG-C022](https://www.itu.int/md/T22-TSAG-C-0022) in a Collective announcing the next TSAG meeting (or a standalone TSB Circular).

Actions for TSAG:

* **RG-IEM-1**: Agree *the Action plan for a vibrant engagement of the industry*, [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256/en), agreed by WP2.
* **RG-IEM-2:** Agree the plan for convening *the Industry Engagement workshop* in spring 2024 and set up its steering committee with the terms of reference as found in [TD257-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257), as well as in Annex 1 of this report.
* **RG-IEM-3:** Approve Liaison Statement *on Incubation mechanism* – [TD290-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0290/en).
* **RG-IEM-4**: Request TSAG to instruct TSB to incorporate, as appropriate, the information provided in [TSAG-C022](https://www.itu.int/md/T22-TSAG-C-0022) in a Collective announcing the next TSAG meeting (or a standalone TSB Circular).
* **WP2-1**: Note the appointment of the chairman of this steering committee - Mr Didier Berthoumieux (Nokia Corporation Finland)

**7 Future Meetings**

The WP2 RGs requested the following interim virtual activities to pursue its work:

**RG-WPR**

|  |  |  |
| --- | --- | --- |
| **Date, Time**  **(Geneva time)** | **Objectives/Contributions invited on:** | **Contribution Deadline** |
| 5 July 2023  13:00-14:30 | Revisions for the baseline text (TD214-R1) concerning:   * definitions of KPIs * relative priorities of KPIs * possible new structures | 28 June, 2023 |
| 13 September 2023  12:00-14:00 | 6 September, 2023 |
| 15 November 2023  12:30-14:00 | 8 November 2023 |
| 10 January 2024  13:00-15:00 | 5 January 2024 |

**RG-IEM**

|  |  |  |
| --- | --- | --- |
| **Date, Time**  **(Geneva time)** | **Objectives** | **Contribution Deadline** |
| 27 July 2023  13:00 – 15:00 | CTO/CxO review | 19 July 2023 |
| 5 September 2023  13:00 – 15:00 | Workshop | 28 August 2023 |
| 9 October 2023  13:00 – 15:00 | Res 68 | 1 October 2023 |
| 7 November 2023  13:00 – 15:00 | Emerging technology mechanism | 30 October 2023 |
| 12 December  13:00 – 15:00 | Metrics | 4 December 2023 |
| 30 January 2024  13:00 – 15:00 | Industry participation | 22 January 2024 |

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

The membership is invited to contribute and take good note of these dates to progress the work efficiently.

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 as well as to TSB management, interpreters and captioners.

**Annex 1 – Terms of Reference (ToR)**

for the ITU-T Industry Engagement Workshop Steering Committee (IEWSC)

# 1 Introduction

This Terms of Reference (ToR) is established in order to support the execution of the workshop aspect of the industry engagement action plan AP2:

*The Action Plan developed by TSAG should also consider implementation strategies for achieving the above through the organization of regular workshops and surveys with the industry to receive feedback on how to enhance participation in the ITU-T.*

This Objective/Thematic Priority should provide the below Key Outcome(s)

* Tangible feedback is formalised and qualified and inputs to several other action plan items.
* The industry’s awareness and its interest for standardisation increased significantly and sustainably.
* The quality feedback received by ITU-T is an essential element to improve the attractiveness of ITU-T.

With the following Key Outcome Indicator(s)

* Active and engaged number of participants in standardisation increases.
* Number of contributions in standardisation increased.
* Number of Recommendations cited (through regulatory harmonisation, through RFx business processes, etc.) increased.

In order to develop this workshop, this ToR defines the ITU-T Industry Engagement Workshop Steering Committee (IEWSC).

# Objectives of the workshop

This Workshop should:

* attract relevant industry decision makers in regard to standardization where the ITU-T can provide value,
* contribute to the dialogue between all the parties,
* provide valuable feedback on the industry engagement action plan,
* inform the WTSA-24 preparations.

# Participation to the IEWSC

The participation to the IEWSC is formed in order to have:

* The right representativity of various roles in TSAG and in ITU
* In a limited group of people (not open ended)
* The right balance, especially among regions and hopefully on gender

Initial Proposed persona forming the steering committee:

* TSAG RG-IEM current leadership,
* TSB Director,
  + TSB Director may consider to invite the Deputy Secretary General,
* ITU Counsellor,
* 2 volunteers among the ITU membership per ITU Region with a good justification to join for example elements of added value they can bring to the committee (experience in workshops, good network of relationships in the industry, good network of relationships in leadership education, in key experts of this problem, etc.)

if arbitrations are needed, maximise the gender balance.

# 2 Lifecycle of the IEWSC

Like any entity the SC has a lifecycle from formation to dismantling on the following key milestones, the IEWSC:

* starts and is formed upon TSAG agreement at TSAG meeting,
* executes its mission until the workshop is delivered,
* delivers a report back to WP2/TSAG not more than one month before it or before the next TSAG meeting depending on what is scheduled first,
* is dismantled after all reports are delivered to TSAG.

# 3 Potential time line

The short study period presents a limited time frame in which to hold a workshop. This limited time frame is further constrained in that periods of the year are not a good fit to run a workshop (e.g. end of calendar year). With these limitations and constraints in mind we propose the following draft timeline and plan by which the workshop identified in [TD153R2](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0153/en) can occur:

Table 1 - Proposed time line

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Calendar** | **Timeline Opportunity** | **Milestone** |
| TL01 | 30th of May 2023 | TSAG meeting | TSAG approves the formation of an Industry Engagement Workshop Steering Committee (IWESC) to organize the Workshop |
| TL02 | June 2023 | IWESC first meetings | IWESC is formally started and engages its work |
| TL03 | October 2023 | WP2 meeting | IWESC reports on its activities and progress to WP2, final review to kickoff Workshop organization |
| TL04 | January 2024 TBC | TSAG meeting | TSAG reviews progress of IWESC and Workshop preparation |
| TL05 | Spring 2024 TBD | Industry Engagement Workshop | The workshop is delivered |
| TL06 | Summer 2024 TBD | TBD | IWESC issues its report and is dismantled |
| TL07 | Summer 2024 TBD | TBD | WP2 or TSAG reviews IWESC report and discusses learnings for potential implementation by ITU-T in view of WTSA24 |
| TL08 | Fall 2024 | WTSA24 |  |

This timeline assumes that an Industry Engagement Workshop Steering Committee (IEWSC) is formed and is responsible and accountable.

# 4 Project management tasks for the IEWSC

The IEWSC will consider the Guidelines and coordination requirements for the organization of ITU-T workshops and seminars, in [Recommendation ITU-T A.31](mailto:https://www.itu.int/rec/T-REC-A.31-200810-I/en).

This could include:

* Design the workshop and defining all of its parameters:
  + Date, duration, place, participation, target audience, agenda/program, etc.
* Determine resources needed:
  + Budget, ITU staff needed if need be, others.
* Pre-Workshop set of communication documents:
  + Content: program, logistics, etc.,
  + Web page, social networks.
* Invite the participants:
  + Requires identification mechanism and means of contacts.
* Workshop itself:
  + Ensure good run of the workshop.
* Post-Workshop:
  + Outside communications, pictures, etc.,
  + Report to WP2/TSAG.

# 5 Determining the Workshop Program

The IEWSC will take into account the Implementation Strategies listed in the Action Plan for AP2.

This program will be co-created with TSAG members to ensure relevance.

**Appendix to the workshop steering committee terms of reference**

# Questions to be addressed by the Workshop

* Why should industry care about standardization?
* What are the benefits to the industry to engage in standardization?
* How can industry make a difference by engaging in standardization?
* What are the risks for industry not to engage in standardization?
* What are the differences between SMEs and large enterprises regarding their motivation, needs and approach to standardization?

In order to determine:

* How do the answers to these questions differ from SME to large enterprises?
* How to make participation in ITU-T activities relevant again?
* What are the opportunities for ITU-T to support industry with their standards-related needs in developed and developing countries?
* How can we ensure that the questions discussed in the workshop can be translated into long-term Key Outcome Indicators (KOI)?

The IEWSC could base its work, for example, on considering the following questions:

* Why the need of a workshop with relevant industry decision makers?
* Why organising a workshop “now”?
* Why it is difficult to attract relevant industry decision makers?
* What are the conditions for success?
* What is the compelling story to attract relevant industry decision makers to a workshop?
* What is the right venue and other event to synergise with?
* What is the right timing?
* What does success look like?
* Shall a survey help support this effort before the workshop?
* What shall be the format/scale/agenda of the workshop?
* Where are the other sources of learning to prepare such a workshop (e.g., ITU-T CxO meetings, ITU-D IAP, Martigny event)?
* What are the budget and resources constraints?

**Annex 2 -** **List of documents allocated to and considered by**

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

# Contributions

| **Contribution #, Source**  **Title** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| --- | --- | --- | --- |
| [C21](https://www.itu.int/md/T22-TSAG-C-0021): ZTE Corporation (China)  Encourage next generation engineers to participate in ITU-T |  |  | [C21](https://www.itu.int/md/T22-TSAG-C-0021) |
| [C22](https://www.itu.int/md/T22-TSAG-C-0022): ZTE Corporation (China)  Regional Organization involvement on IEM |  |  | [C22](https://www.itu.int/md/T22-TSAG-C-0022) |
| [C25](https://www.itu.int/md/T22-TSAG-C-0025): Korea (Rep. of)  Proposal on Incubation mechanism |  |  | [C25](https://www.itu.int/md/T22-TSAG-C-0025) |
| [C29](https://www.itu.int/md/T22-TSAG-C-0029): Canada, InterDigital Canada Ltee  Proposed way forward for Recs. ITU-T A.4, A.5 and A.6 and related qualified organizations | [C29](https://www.itu.int/md/T22-TSAG-C-0029) |  |  |
| [C30](https://www.itu.int/md/T22-TSAG-C-0030): Canada, Ericsson Canada, Inc.  Equivalent use of the terms Key outcome indicators and Key performance indicators by RG-IEM and RG-WPR |  | ([C30](https://www.itu.int/md/T22-TSAG-C-0030)) | [C30](https://www.itu.int/md/T22-TSAG-C-0030) |
| [C31](https://www.itu.int/md/T22-TSAG-C-0031): Broadcom Corporation (United States)  Proposed revision to the baseline text of RG-IEM study on a mechanism to address new and emerging technologies in ITU-T |  |  | [C31](https://www.itu.int/md/T22-TSAG-C-0031) |
| [C32](https://www.itu.int/md/T22-TSAG-C-0032): Broadcom Corporation (United States)  Proposed revision to the baseline text of "Draft ToR for the ITU-T Industry Engagement Workshop Steering Committee" |  |  | [C32](https://www.itu.int/md/T22-TSAG-C-0032) |
| [C33](https://www.itu.int/md/T22-TSAG-C-0033): Broadcom Corporation (United States)  Considerations and suggestions regarding the KPIs current approach in RG-WPR |  | [C33](https://www.itu.int/md/T22-TSAG-C-0033) |  |
|  |  |  |  |
| **Contributions count** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| *Number of contributions* | 1 | 1 (1) | 6 |

# TDs

| **TD#, Source**  **Title** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| --- | --- | --- | --- |
| [TD178](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0178): Chairman, WP2  Opening WP2 agenda (Geneva, 30 May-2 June 2023) | [TD178](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0178) |  |  |
| [TD179](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0179): Chairman, WP2  Closing WP2 agenda (Geneva, 30 May-2 June 2023) | [TD179](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0179) |  |  |
| [TD180](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0180)-R1: Chairman, WP2  (Draft) WP2 meeting report (Geneva, 30 May-2 June 2023) | [TD180](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0180)-R1 |  |  |
| [TD181](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0181): Rapporteur RG-IEM  Agenda RG-IEM (Geneva, 30 May-2 June 2023) |  |  | [TD181](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0181) |
| [TD182](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0182): Rapporteur RG-IEM  Report RG-IEM (Geneva, 30 May-2 June 2023) | [TD182](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0182) |  |  |
| [TD185](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0185): Rapporteur RG-WPR  Agenda RG-WPR (Geneva, 30 May-2 June 2023) |  | [TD185](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0185) |  |
| [TD186](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0186): Rapporteur RG-WPR  Report RG-WPR (Geneva, 30 May-2 June 2023) | [TD186](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0186) |  |  |
| [TD192](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0192): TSB  Statistics regarding ITU-T study group work (position of 2023-05-22) |  |  | [TD192](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0192) |
| [TD193](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0193): TSB  ITU-T study group Question level statistics (2022-2023) |  |  | [TD193](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0193) |
| [TD199](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0199): ITU-T SG2  LS/i on ITU-T SG2 lead study group activities (June 2022 to March 2023) [from ITU-T SG2] |  | [TD199](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0199) |  |
| [TD200](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0200): Chairman, ITU-T Study Group 3  ITU-T SG3 Lead Study Group Report |  | [TD200](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0200) |  |
| [TD201](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0201): Chairman, ITU-T Study Group 9  ITU-T SG9 Lead Study Group report |  | [TD201](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0201) |  |
| [TD202](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0202): Chairman, ITU-T Study Group 11  ITU-T SG11 Lead Study Group Report |  | [TD202](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0202) |  |
| [TD203](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0203): Chairman, ITU-T SG12  ITU-T SG12 Lead Study Group Report |  | [TD203](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0203) |  |
| [TD204](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0204): Chairman, ITU-T SG13  ITU-T SG13 Lead Study Group Report |  | [TD204](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0204) |  |
| [TD205](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0205): Chairman, ITU-T SG15  ITU-T SG15 Lead Study Group Report |  | [TD205](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0205) |  |
| [TD206](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0206): ITU-T SG17  LS/i on SG17 Lead Study Reports [from ITU-T SG17] |  | [TD206](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0206) |  |
| [TD207](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0207): ITU-T SG20  LS/i on ITU-T SG20 Lead Study Group Report [from ITU-T SG20] |  | [TD207](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0207) |  |
| [TD212](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0212): Liaison officer to ISO/IEC JTC 1  Report of the ISO/IEC JTC 1 Plenary, (8 - 12 May 2023 in Paestum, Italy) |  | [TD212](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0212) |  |
| [TD214](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0214)-R1: Associate Rapporteur  Baseline text for report of the analysis of ITU-T study group restructuring alternatives |  | [TD214](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0214)-R1 |  |
| [TD219](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0219): TSB  Organizations newly qualified for ITU-T A.4, A.5 and A.6 since the last TSAG meeting | [TD219](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0219) |  |  |
| [TD226](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0226): ITU-T SG15  LS/i on the new version of the Access Network Transport (ANT) Standards Overview and Work Plan [from ITU-T SG15] |  | [TD226](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0226) |  |
| [TD228](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0228)-R1: TSB  List of incoming and outgoing liaison statements (TSAG, Geneva, 30 May – 2 June 2023) | [TD228](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0228)-R1 | [TD228](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0228)-R1 | [TD228](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0228)-R1 |
| [TD232](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0232): Rapporteur, RG-IEM  Progress report from interim TSAG RG-IEM meetings (December 2022 to May 2023) | [TD232](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0232) |  | [TD232](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0232) |
| [TD234](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234)-R1: Associate Rapporteur  Report to TSAG on the implementation of the action plan for analysis of ITU-T structural alternatives | [TD234](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234)-R1 | [TD234](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0234)-R1 |  |
| [TD237](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0237): ITU-T SG20  LS/r on work related to unmanned aircraft systems (UAS) (reply to TSAG-LS6) [from ITU-T SG20] |  | [TD237](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0237) |  |
| [TD238](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0238): ITU-T SG20  LS/r on a progress report on the analysis of ITU-T study group restructuring (reply to TSAG-LS5) [from ITU-T SG20] |  | [TD238](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0238) |  |
| [TD239](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0239): ITU-T SG17  LS/i on new work item: work item TP.inno-2.0: "Description of the incubation mechanism and ways to improve it" [from ITU-T SG17] |  |  | [TD239](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0239) |
| [TD244](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0244): ITU-T SG2  LS/i on Telecommunication Management and OAM Project Plan [from ITU-T SG2] |  | [TD244](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0244) |  |
| [TD252](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0252): ITU-T SG15  LS/i on the new version of the Home Network Transport (HNT) Standards Overview and Work Plan [from ITU-T SG15] |  | [TD252](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0252) |  |
| [TD253](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0253): ITU-T SG15  LS/i on OTNT Standardization Work Plan Issue 32 [from ITU-T SG15] |  | [TD253](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0253) |  |
| [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256): Rapporteur, RG-IEM  Draft ITU-T action plan for a vibrant engagement of the industry | [TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256) |  | ([TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256)) |
| [TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257)-R1: Rapporteur, RG-IEM  Draft ToR for the ITU-T Industry Engagement Workshop Steering Committee | [TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257)-R1 |  | ([TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257)-R1) |
| [TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258): Rapporteur, RG-IEM  Draft RG-IEM study on a mechanism to address new and emerging technologies in ITU-T | [TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258) |  | ([TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258)) |
| [TD259](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0259): Radiocommunication Advisory Group (RAG)  LS/r on Work related to Unmanned Aircraft Systems (UAS) and other Radiocommunication Systems [from RAG] | [TD259](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0259) | [TD259](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0259) |  |
| [TD265](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0265): Associate Rapporteur  Proposed editorial revisions to baseline text for report of the analysis of ITU-T study group restructuring alternatives |  | [TD265](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0265) |  |
| [TD267](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0267): Reference material Resolution 68: WTSA-20 C103 |  |  | [TD267](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0267) |
| [TD268](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0268): LS/i on the new work item ITU-T Q.TSCA which defines procedure for issuing digital certificates for signalling security [from ITU-T SG11] |  | [TD268](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0268) |  |
| [TD269](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0269): LS/i on Status of ITU TL recognition (as of April 2023) [from ITU-T SG11] |  | [TD269](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0269) |  |
| [TD271](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0271): LS/r on a progress report on the analysis of ITU-T study group restructuring (TSAG-LS5) [from ITU-T SG11] |  | [TD271](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0271) |  |
| [TD272](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0272)-R1: LS/i on SMART Subsea Cables - Science Monitoring And Reliable Telecommunications [from ITU/WMO/UNESCO IOC Joint Task Force on SMART submarine cables] |  | [TD272](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0272)-R1 |  |
| [TD273](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0273)-R1: Information on CTO/CxO meetings | [TD273](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0273)-R1 |  |  |
| [TD274](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0274): LS/r on smart TV Operating System (SG16-LS23) [from ITU-T SG9] |  | ([TD274](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0274)) |  |
| [TD275-R4](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0275): Rapporteur, TSAG Rapporteur group on working methods  Working document to discuss a possible way forward for Recs ITU-T A.4 and A.6 | [TD275-R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0275) |  |  |
| [TD278](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0278): Rapporteur, RG-WPR  Reports from RG-WPR meetings | [TD278](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0278) | [TD278](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0278) |  |
| [TD279](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0279): Rapporteur, RG-WPR  New Study Period discussions status of Study Groups |  | [TD279](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0279) |  |
| [[TD](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0281)281](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0181/en): TSB  Update on Collaboration with UPU |  |  | [[TD](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0281)281](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0181/en) |
| TD290-R1: Rapporteur, RG-IEM  LS/o on Incubation mechanism [to all ITU-T Study Groups] | TD290-R1 |  |  |
| TD292-R1: Chairman, WP2  Status of the implementation of the action plan for analysis of ITU-T structural alternatives | TD292-R1 |  |  |
| **TDs count** | **WP2 (IEWPR)** | **RG-WPR** | **RG-IEM** |
| *Number of TDs* | 18 | 28 (1) | 8 (3) |
| **Overall count** |  |  |  |
| *Number of documents* | 19 | 28 (2) | 14 |

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