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| **Title:** | Industry Engagement, Metrics (TSAG RG-IEM) Report (Geneva, 30 May-2 June 2023) |
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| **Abstract:** | This TD contains the draft report of the sessions of the TSAG Rapporteur Group on Industry Engagement, Metrics during this TSAG meeting (Geneva, 30 May-2 June 2023). |

# 0 Action from RG-IEM to WP2

* RG-IEM-1: to 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 standalone TSB Circular),
* RG-IEM-2: to approve the plan for convening *the Industry Engagement workshop* in spring 2024 and establish the ITU-T Industry Engagement Workshop Steering Committee (IEWSC) with the terms of reference provided in [TSAG-TD257R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257/en),
* RG-IEM-3: to appoint an IEWSC Chair,
* RG-IEM-4: to approve the outgoing LS in [TSAG-TD290R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0290/en) on the topic of an incubation mechanism to all ITU-T Study Groups for action,
* RG-IEM-5: to authorize RG-IEM to organize six interim virtual meetings with the following dates, times (all times are provided in Geneva time zone) and main topics:
* 27 July 2023, 1300-1500: CTO/CxO review,
* 5 September 2023, 1300-1500: Workshop,
* 9 October 2023, 1300-1500: Res.68,
* 7 November 2023, 1300-1500: emerging technology mechanism,
* 12 December 2023, 1300-1500: metrics,
* 30 January 2024, 1300-1500: industry participation.

The contribution deadline is 7 days before the respective meeting. Contributions on the main topic of the call will be treated with priority, contributions on other topics within scope of RG-IEM will be treated if time permits, or moved to the following meeting.

# 1 Introduction

A meeting of the TSAG Rapporteur Group on Industry Engagement, Metrics (RG-IEM) took place during TSAG on 30 May-2 June 2023, on Wednesday 31 May (1615-1730 hours) and on Thursday 1 June (1615-1730).

Mr Glenn PARSONS (Ericsson Canada), Rapporteur of TSAG RG-IEM, chaired the meeting of RG-IEM, supported by Mr Noah LUO (Huawei Technologies, China), Associate Rapporteur on metrics, and Mr Arnaud TADDEI (Broadcom, United States), Associate Rapporteur on emerging technologies.

# 2 Opening and welcome

The chairman provided brief opening remarks. The meeting adopted the draft agenda provided in [TSAG-TD181](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0181/en). A revised version of the agenda (TSAG-TD181R1) was used for the second RG-IEM session. The list of documents is provided in Annex A of the same document.

The meeting noted the RG-IEM terms of reference, as provided in Annex B of TSAG-TD181, and the progress report from interim TSAG RG-IEM meetings (December 2022 to May 2023) in [TSAG-TD232](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0232/en).

# 3 Industry engagement

The meeting took note of the industry engagement action plan approved by the WP2/TSAG opening plenary in [TSAG-TD256](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0256/en).

A delegate of Algérie Télécom encouraged RG-IEM to further consider and clarify roles and responsibilities regarding the implementation of the action plan; any budgetary implications; and operational risks.

A delegate of Ericsson Canada introduced [TSAG-C030](https://www.itu.int/md/T22-TSAG-C-0030).

The meeting noted that, conceptually, there is no difference between the use of the terms “Key outcome indicators” and “Key performance indicators”.

A delegate of ZTE Corporation (China) presented [TSAG-C021](https://www.itu.int/md/T22-TSAG-C-0021) related to measures to promote participation of next generation engineers in the work of ITU-T.

Several delegations took the floor to support the proposal and make further suggestions, including a mentorship programme with volunteer mentors (e.g., from the study group leadership teams), the collection of lessons learned on mentorship programmes and education about standardization (ITU‑R, IEC, ETSI were mentioned as examples), the use of existing mechanisms in ITU (e.g., Kaleidoscope conference / ITU Journal) to attract next generation engineers and mentor familiarize them with the work of ITU-T.

It was agreed to use the RG-IEM interim meetings to elaborate the proposals made in TSAG-C021 and the feedback received during the discussion.

A delegate of ZTE Corporation (China) presented [TSAG-C022](https://www.itu.int/md/T22-TSAG-C-0022) proposing to disseminate information about the work of RG-IEM, in particular addressing the six Regional Telecommunication Organizations.

The meeting supported the proposal and agreed to request the TSB to incorporate, as appropriate, the information provided in TSAG-C022 in a Collective announcing the next TSAG meeting (or standalone TSB Circular).

The Rapporteur introduced [TSAG-TD257](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257/en) containing a Draft ToR for the ITU-T Industry Engagement Workshop Steering Committee. The draft ToR were developed over the course of a series of RG-IEM interim meetings.

Several delegates took the floor to seeking clarification on the objective of the proposed workshop (response: the objective is to implement items 1.1 to 1.7 of the industry engagement action plan discussed above); the number of workshops proposed (response: while the action plan mentions “regular workshops”, the intention is to organize one workshop before WTSA given the short study period), and the importance of promotion of the workshop and the work of RG-IEM.

The contribution of Broadcom ([TSAG-C032](https://www.itu.int/md/T22-TSAG-C-0032/en)) was introduced and seconded by the United States. The contributor noted that the proposed revisions would address some of the comments on TSAG-TD257.

The meeting agreed to organize a drafting session (31 May 2023, 1745-1845) in order to develop TSAG-TD257 based on a detailed review of TSAG-C032 and the comments raised during the RG-IEM meeting.

The outcome of that drafting session in [TSAG-TD257R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0257/en) was reviewed by RG-IEM in its second session on 1 June 2023. The ToRs and the intention to hold the workshop were agreed by RG-IEM.

The Rapporteur called for volunteers interested in participating in the steering committee to approach the RG-IEM leadership and/or Counsellor.

# 4 Mechanisms to address new and emerging technologies in ITU-T

A delegate representing Korea (Rep. of) introduced [TSAG-C025](https://www.itu.int/md/T22-TSAG-C-0025/en) proposing to send a liaison to all ITU-T Study Groups to seek their views on an incubation mechanism under study in SG17.

In the same context, the Chairman of SG17 introduced [TSAG-TD239](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0239/en), a liaison from SG17 to TSAG providing further background on the incubation mechanism.

Several delegates took the floor to support that a liaison be sent to all Study Groups. Some noted that the concept of incubation may be applied differently by different Study Groups, and the liaison might shed light on the various mechanisms currently in use, as useful input for further TSAG discussion.

It was also noted that if a need to do so were identified, the mechanism should be formalized as a text in the A series (as opposed to defining mechanisms on Study Group basis).

It was agreed that the outgoing LS in [TSAG-TD290R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0290/en) be sent to all ITU-T Study Groups for action.

The Rapporteur introduced [TSAG-TD258](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0258) outlining an RG-IEM study on a mechanism to address new and emerging technologies in ITU-T.

The contribution of Broadcom ([TSAG-C031](https://www.itu.int/md/T22-TSAG-C-0031/en)) was introduced proposing several modifications to TSAG-TD258.

The meeting expressed its gratitude to the contributor for the comprehensive and detailed work and analysis.

Delegates noted that the analysis given in the contribution provided a solid ground to update the base text. It was suggested to think about condensing the key points in 3-5 charts, since it was challenging to “sell” the content at the current level of detail.

The meeting agreed to create a new TD integrating C031 into TD258. This new TD, [TSAG-TD299](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0299/en), will be discussed further in the RG-IEM interim meetings.

# 5 Resolution 68

The Rapporteur introduced [TSAG-TD267](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0267/en) providing reference material for RG-IEM’s work on WTSA Resolution 68.

The meeting noted the [TSAG-TD273R1](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0273/en) revised based on the discussion in WP2/TSAG opening plenary.

It was clarified that IEWSC would work separately from reviewing the CTO/CxO process.

The Chief of the TSB Study Group Department invited RG-IEM to bring to his attention any topics the group would like to see discussed in the CxO meeting in December 2023.

It was noted that the discussion on reviewing Resolution 68 and the CTO/CxO process would continue in the RG-IEM interim meetings based on contributions.

# 6 Metrics

The representative from the TSB introduced [TSAG-TD192](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0192/en) containing statistics regarding ITU-T study group work (position of 2023-05-22). These include download figures (Power BI report), data on the activities of each study groups, including rapporteur group meetings, as well as a snapshot of “stale work items”.

[TSAG-TD193](https://www.itu.int/md/T22-TSAG-230530-TD-GEN-0193/en) introduced by the TSB presents Question-level statistics in the form of a Power BI report.

# 7 Future meetings

The meeting agreed on the following dates, times (all times are provided in Geneva time zone) and main topics for virtual interim RG-IEM meetings before the next TSAG meeting.

* 27 July 2023, 1300-1500: CTO/CxO review
* 5 September 2023, 1300-1500: Workshop
* 9 October 2023, 1300-1500: Res.68
* 7 November 2023, 1300-1500: Emerging technology mechanism
* 12 December 2023, 1300-1500: Metrics
* 30 January 2024, 1300-1500: Industry participation

The contribution deadline is 7 days before the respective meeting. Contributions on the main topic of the call will be treated with priority, contributions on other topics within scope of RG-IEM will be treated if time permits, or moved to the following meeting.

# 8 AOB

None.

# 9 Closure of the meeting

In closing, the Rapporteur informed delegates that the meeting report will be made available in TSAG-TD182.

The Rapporteur expressed his gratitude to Associate Rapporteurs, Contributors and delegates for the active participation.

The meeting closed at 17:30 hours.