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| **Title:** | Industry Engagement, Metrics (TSAG RG-IEM) Report (Geneva, 12-16 December 2022) |
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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, 12-16 December 2022). |

**Action**: TSAG is invited to authorize RG-IEM:

1. TBC,
2. TBC - to organize four interim virtual meetings with a contribution deadline 7 days before the meetings.

# 0 Introduction

A meeting of the TSAG Rapporteur Group on Industry Engagement, Metrics (RG-IEM) took place during TSAG on 12-16 December 2022, on Tuesday 13 Dec (1615-1740 hours) and on Thursday 15 Dec (1615-1730).

TSAG plenary (ref. [TSAG-TD064R1](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0064)) on 12 Dec 2022 approved TSAG structure, organization, and leadership for the 2022-2024 study period. It appointed Rapporteur and associate Rapporteurs for RG-IEM.

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.

# 1 Opening and welcome

The chairman provided brief opening remarks. The meeting adopted the draft agenda provided in [TSAG-TD012](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0012/en). The list of documents is provided in Annex 1 of the same document.

The meeting noted the RG-IEM terms of reference, as amended by WP2/TSAG in [TSAG-TD009](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0009/en).

The meeting noted the TSAG Action Plan (TSAG-TD065R1), in particular items 22-02, 22-06, 22-24 pertaining to the RG-IEM mandate.

# 2 Industry engagement

The meeting noted the outcome of ITU Plenipotentiary conference related to industry engagement contained in COM5 Recommendation 5 (as reproduced in [TSAG-TD112](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0112/en)).

With respect to related outcomes of WTSA-20, the chairman introduced WTSA-20 Action 10 in detail ([TSAG-TD131](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0131/en)).

[TSAG-TD145](https://www.itu.int/md/T22-TSAG-221212-TD-GEN-0145/en) was shown on the screen to inform participants about the text under discussion at WTSA (C99R1). Both documents were noted to serve as guidance and starting point for the RG-IEM work.

A comment suggested that the RG should develop separate strategies for industry that is already an ITU-T member versus for industry that is not an ITU-T member.

A delegate of the United Kingdom presented [TSAG-C014](https://www.itu.int/md/T22-TSAG-C-0014/en) (jointly submitted by Canada, Netherlands, Romania, Sweden, United Kingdom). Proposals 2 and 3 were considered by RG-IEM (Proposal 1 by WP2/TSAG).

Questions and comments raised by several delegations highlighted the following aspects:

* The need to identify obstacles/difficulties for new/next generation of engineers / and industry to participate.
* The need to identify reasons for industry to engage / not to engage.
* The need to articulate / demonstrate the value proposition for new/next generation of engineers / and industry to engage.
* The need to identify regions with little industry participation.
* The need to cooperate with other organizations.
* The lack of education (briefings, courses) about standards and standardization in schools and universities.

Related to Proposal 2 of the contribution, several delegates shared their experience participating in previous CTO/CxO meetings. The efficient coordination process and positive outcome (Communiqué) was highlighted by some delegates. Representation of participating organizations at the appropriate level (C-level) and the involvement of the participating organizations in the Study Groups were mentioned as possible areas for improvement by other delegates.

[PP22 Information Document 1](https://www.itu.int/md/S22-PP-INF-0001/en) “Main rights and financial obligations of the various categories of membership and participation in the work of ITU” was highlighted as useful reference on the rights and obligations of the various categories of membership and participation in the work of ITU.

Summarizing the discussion, the chairman noted that Proposal 2 was within the scope of working towards a revision of WTSA Resolution 68, and that Proposal 3 was part of the RG-IEM mandate to reach out to industry to encourage more engagement in the work of ITU-T, including from young engineers.

A delegate of ZTE Corporation (China) presented [TSAG-C015R1](https://www.itu.int/md/T22-TSAG-C-0015/en) (jointly submitted by China Information Communication Technologies Group, China Mobile Communications Co. Ltd., China Telecommunications Corporation, China Unicom, Huawei Technologies Co., Ltd. (China), ZTE Corporation (China)).

Some delegations supported the proposal to submit a Circular letter as a first step to raise awareness, others recommended that the elaboration of a Circular and other means to disseminate information be part of a wider industry engagement action plan. The target audience for the Circular required further consideration (e.g., information needs of existing members vs. prospective members). A further suggestion was to take into consideration different company strategies with ITU membership, e.g., lead, participate, monitor, in order to better understand industry engagement.

In response to the comments, the contributor noted that the content of Annex A was not mature yet and that the proposal was complementary to developing an action plan. One additional objective of the Circular was to inform the membership to participate in the RG-IEM discussions.

A delegate of Broadcom (United States) introduced [TSAG-C020](https://www.itu.int/md/T22-TSAG-C-0020/en).

It was noted that the contribution highlighted many of the aspects discussed in response to the previous two contributions, including the proposal of the development of an action plan for industry engagement.

The meeting agreed to holding a drafting session on industry engagement on Thursday, 15 December 2022, from 08:15 to 09:30 hours, to review and develop the action plan list contained in TSAG-C020 in more detail and report back to the second session of RG-IEM in the afternoon of the same day.

To be continued…