INTERNATIONAL TELECOMMUNICATION UNION
**TELECOMMUNICATION STANDARDIZATION SECTOR**
STUDY PERIOD 2022-2024

**SG13-LS156**
**STUDY GROUP 13**
**Original: English**

**Question(s):** 6/13 Geneva, 4-15 March 2024

**Ref.: SG13-TD241/PLEN – Annex 1**

**Source:** ITU-T Study Group 13

**Title:** LS on work items related to deterministic networking in SG13

**LIAISON STATEMENT**

**For action to:** -

**For information to:** IEEE 802.1 TSN TG, IETF DetNet, ITU-T SG12

**Approval:** **ITU-T Study Group 13 meeting (Geneva, 15 March 2024)**

**Deadline:** N/A

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**Abstract:** This is the communication about the on-going work items on deterministic communication services and networking in SG13 of ITU-T.

ITU-T Study Group 13 would like to inform you that it has consented one draft new Recommendation related to deterministic communication services and networking for the scope of large scale networks including IMT-2020 and beyond.

The following information gives more details about this draft Recommendation and the corresponding document is attached.

Draft Recommendation ITU-T Y.3129 (formerly Y.det-FQ-rf) “Requirements and framework for stateless fair queuing in large scale networks including IMT-2020 and beyond”

ITU-T Y.3129 specifies the requirements and framework for deterministic networking with a set of work conserving packet schedulers that guarantees end-to-end (E2E) latency bounds to flows.

The following related draft Recommendations were updated at the meeting.

- ITU-T Y.det-qos-req-ml-jrs “QoS requirements for machine learning based joint resource scheduling to support deterministic communication services across heterogeneous networks including IMT-2020 and beyond” (SG13-TD728/WP1)
- ITU-T Y.det-qos-arch-lan "Functional architecture for QoS guarantee of deterministic communication services in local area network for IMT-2020 and beyond” (SG13-TD729/WP1)

This information is for your consideration and we look forward to collaborating with you in this area.

**Attachment:**

SG13-TD228/PLEN: Draft Recommendation ITU-T Y. Y.3129 (formerly, Y.det-FQ-rf): “Requirements and framework for stateless fair queuing in large scale networks including IMT-2020 and beyond”