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|  | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | SG13-LS139 | |
| STUDY GROUP 13 | |
| Original: English | |
| **Question(s):** | | 6/13 | | Geneva, 23 October - 3 November 2023 | |
| **Ref.: TD191-R1/PLEN - Annex 2** | | | | | |
| **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, 3 November 2023)** | | |
| **Deadline:** | | | N/A | | |
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| **Abstract:** | LS on on-going work items on deterministic communication services and networking in ITU-T SG13. |

ITU-T Study Group 13 would like to inform you that Question 6 of SG13 has one consented new Recommendation related to deterministic communication services and networking for the scope of local area networks of the IMT-2020 network and beyond.

The draft Recommendation is as following and the corresponding document is attached.

Draft Recommendation ITU-T Y.3126 (formerly Y.det-qos-rf-intwk-lan) “*QoS requirements and framework of interworking capability for supporting deterministic communication services in local area network for IMT-2020 and beyond*”

ITU-T Y.3126 specifies three types of interworking capability, QoS assurance requirements, instances of framework and operational procedures for interworking capabilities.

Question 6 of SG13 also has initiated two new Recommendations related to deterministic communication services and networking aspects of IMT-2020 network and beyond.

* 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-TD551/WP1)
* ITU-T Y. det-rdcs-rf “QoS requirements and Framework of deterministic communication for remote device control services over IMT-2020 and beyond” (SG13-TD548-R1/WP1)

The following related draft Recommendations were updated at the last meeting.

* ITU-T Y.det-FQ-rf “Requirements and framework for stateless fair queuing in large scale networks including IMT-2020 and beyond” (SG13-TD554/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-TD555/WP1)

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

Attachment:

[SG13-TD162/PLEN](https://www.itu.int/md/T22-SG13-231023-TD-PLEN-0162/en): Draft Recommendation ITU-T Y. Y.3126 (ex Y.det-qos-rf-intwk-lan) “*QoS requirements and framework of interworking capability for supporting deterministic communication services in local area network for IMT-2020 and beyond*”

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