|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | INTERNATIONAL TELECOMMUNICATION UNION  **TELECOMMUNICATION STANDARDIZATION SECTOR**  STUDY PERIOD 2022-2024 | | | SG13-LS8 | |
| **STUDY GROUP 13** | |
| **Original: English** | |
| **Question(s):** | | 6/13 | | Geneva, 15 July 2022 | |
| **Ref.: SG13-TD26-R1/PLEN – Annex 2** | | | | | |
| **Source:** | | ITU-T Study Group13 | | | |
| **Title:** | | LS on work items related to deterministic networking in ITU-T SG13 | | | |
| **LIAISON STATEMENT** | | | | | |
| **For action to:** | | | - | | |
| **For information to:** | | | IEEE 802.1 TSN TG, IETF DetNet, ITU-T SG12 | | |
| **Approval:** | | | **ITU-T Study Group13 meeting (Geneva, 15 July 2022)** | | |
| **Deadline:** | | | N/A | | |
| **Contact:** | | | Taesang Choi ETRI Korea (Republic of) | | Tel:+82-10-2740-5628 Fax: +82-42-860-6405 E-mail: [choits@etri.re.kr](mailto:choits@etri.re.kr) |
| **Contact:** | | | Guosheng Zhu Wuhan Rayton Network Technology China | | Tel: +86-2788666186 Fax: +86-2788665505 E-mail: [zhugs@rayton-networks.com](mailto:zhugs@rayton-networks.com%20) |

|  |  |
| --- | --- |
| **Abstract:** | LS/o on a consented and two 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 Question 6 of SG13 has one consented and two on-going work items related to deterministic communication services and networking for the scope of local area networks and large-scale networks of the IMT-2020 network and beyond.

The three draft Recommendations are as following. Their corresponding documents are attached.

Draft new Recommendation ITU-T Y.3118 (formerly Y.IMT-2020-jg-lsn) “*Requirements and framework for jitter guarantee in large scale networks including IMT-2020 and beyond*”

Draft Recommendation ITU-T Y.IMT-2020-fa-lg-lsn “*Functional architecture for latency guarantee in large scale networks including IMT-2020 and beyond*”

Draft Recommendation ITU-T Y.det-qos-reqts-lan “*QoS requirements and framework for supporting deterministic communication services in local area network for IMT-2020*”

Y.3118 specifies the requirements and framework for jitter guarantee in large scale networks, with packet time-stamping and buffers at the network boundary without time-synchronization. It has been consented for the approval process in the July 2022 ITU-T SG13 meeting.

Y.IMT2020-fa-lg-lsn specifies the functional architecture and operation procedures for latency guarantee in large scale networks, with work-conserving schedulers and interleaved regulators for flow aggregates. It is the sequel of ITU-T Y.3113, which defines the requirements and framework for latency guarantee in large scale networks.

Y.det-qos-reqts-lan identifies the scenarios, QoS requirements, and framework of deterministic communication services in local area networks supporting heterogeneous technologies.

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

Attachments:

[SG13-TD33/PLEN](https://www.itu.int/md/T22-SG13-220704-TD-PLEN-0033/en): Draft Recommendation ITU-T Y.IMT-2020-jg-lsn “*Requirements and framework for jitter guarantee in large scale networks including IMT-2020 and beyond*”

[SG13-TD63/WP1](https://www.itu.int/md/T22-SG13-220704-TD-WP1-0063/en): Draft Recommendation ITU-T Y.IMT-2020-fa-lg-lsn “*Functional architecture for latency guarantee in large scale networks including IMT-2020 and beyond*”

[SG13-TD64/WP1](https://www.itu.int/md/T22-SG13-220704-TD-WP1-0064/en): Draft Recommendation ITU-T Y.det-qos-reqts-lan: “*QoS requirements and framework for supporting deterministic communication services in local area network for IMT-2020*”

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_