

**Title:** LS on TSN support in 3GPP Release-16 stage 2 completion

**Response to:** -

**Release:** Rel-16

**Work Item:** 5GS Enhanced support of Vertical and LAN Services (Vertical\_LAN)

**Source:** 3GPP SA WG2

**To:** IEEE 802.1 WG

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**Attachments:** -

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### 1. Overall Description:

3GPP SA WG2 has completed the stage 2 specifications in Release-16 that are necessary in 5G for integration with IEEE 802.1 Time-Sensitive Networking (TSN) for Ethernet traffic. From now on, 3GPP will only perform corrections in Release 16 stage 2, while new functionality is being discussed for Release 17.

3GPP SA WG2 would like to request comments/feedback on the Release-16 stage 2 specifications available at: <https://www.3gpp.org/DynaReport/23-series.htm>

The most relevant specification clauses are the following:

- [TS 23.501](#) clauses 4.4.8, 5.27, 5.28, Annex H, Annex I on support for TSN and clauses 5.6.10.2, 5.7.6.3, 5.8.2.5.3 on Ethernet forwarding;
- [TS 23.502](#) Annex F on support TSN;
- [TS 23.503](#) clause 6.1.3.23 on support for TSN.

Other clauses of the specifications may also provide supporting functionality.

The specifications are technically stable and have reached maturity. But further updates may be performed to these specifications as per 3GPP meetings ongoing and then next updated versions will be available in July 2020.

Note: Stage 2 refers to the 3-stage specification process of 3GPP, described in [TR 21.900](#) section 4.1 as “an overall description of the organization of the network functions to map service requirements into network capabilities”.

3GPP SA2 has started additional enhancement work for its Release 17 project and may seek additional assistance from IEEE 802.1, if needed.

**2. Actions:**

**To IEEE 802.1 WG**

**ACTION:**

SA WG2 kindly requests comments/feedback, if any.

**3. Date of Next TSG SA WG2 Meetings:**

TSG-SA2 Meeting #139-e	01 – 12 June 2020	Online
TSG-SA2 Meeting #140	24 – 28 August 2020	TBD