**3GPP TSG SA WG2 Meeting #140E S2-2005185**

**Elbonia, 19 – 31 Aug. 2020, Electronic meeting Revision of S2-20xxxxx**

Title: [Draft] LS on ATSSS Phase 2 Requirements to IETF QUIC Working Group

Response to: LS on need for Multi Path QUIC for ATSSS

Release: Release 17

Work Item: FS\_ATSSS\_ph2

Source: TSG SA WG2

To: Martin Duke martin.h.duke@gmail.com,

 Magnus Westerlund magnus.westerlund@ericsson.com

Cc: SA3,
Gonzalo Camarillo gonzalo.camarillo@ericsson.com, The IETF chair@ietf.org

**Contact Person:**

Name: Tricci So

Tel. Number: +1 858 228 6333

E-mail Address: tso (at) ztetx [dot] com

**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

Attachments:

**1. Overall Description:**

3GPP was encouraged by IETF QUIC Working Group in last liaison exchange on May 2020 to keep IETF informed of the requirements for QUIC/MP-QUIC related protocols and extensions. Since then, 3GPP ATSSS Phase-2 study has made significant progress and identified some important dependency on the work in IETF.

While 3GPP is working towards the conclusion of the study phase by 4Q2020, dependencies and requirements have been identified on the QUIC/MP-QUIC protocols and extensions development in IETF. Hence, we would like to consult with IETF with the following questions:

Qn-1: The target date on the conclusion of 3GPP ATSSS Ph2 study is 4Q2020. 3GPP would like to consult with IETF on the feasibility to have working group drafts on MP-QUIC protocols and extensions on or before 1Q2021.

Qn-2: When enabling QUIC/MP-QUIC between UE (User Equipment) and UPF (User Plane Function) in 3GPP 5G Core, would it be feasible to optionally disable encryption in QUIC/MP-QUIC, in order to avoid multiple encryption layers?

**2. Actions:**

**To IETF group:**

**ACTION:** 3GPP SA2 kindly requests IETF to take the above information into account to provide us the feedback and to take our requirements into considerations for future development.

**3. Date of Next TSG-SA2 Meetings:**

3GPP TSG SA2#141E 12th – 23rd October 2020 eMeeting

3GPP TSG SA2#142E 16th – 20th November 2020 eMeeting