3GPP TSG-SA WG2#161 S2-2404154r01

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**Source: Apple**

**Title: Evaluation & Conclusion for KI#2.1**

**Document for: Discussion/Approval**

**Agenda Item: 19.13**

**Work Item / Release: FS\_MASSS / Rel-19**

*Abstract of the contribution: this contribution proposes evaluation and conclusion for KI#2.1.*

# 1. Introduction

This contribution proposes evaluation and conclusion for KI#2.1.

# 2. Text proposal

It is proposed to agree the following changes vs. TR 23.700-54 v0.2.0:

>>>>BEGINNING OF CHANGES <<<<

## 8.2 Conclusions for ATSSS\_Ph4

### 8.2.1 Interim Conclusion for Key Issue #2.1

It is concluded that:

a) MPQUIC steering functionality to be extended with the following CONNECT protocols:

- CONNECT-IP [7] to tunnel IP packets between a client (UE) and a proxy (UPF) using HTTP/3 over MPQUIC;

- CONNECT-Ethernet [8] to proxy Ethernet frames between a client (UE) and a proxy (UPF) using the HTTP/3 over MPQUIC.

Editor's note: Whether to support CONNECT-TCP needs further discussion.

b) During MA PDU Session Establishment with an IP-based PDU Session type, the UE indicates to SMF what CONNECT methods it supports. The SMF is configured, as part of the DNN configuration, what proxy protocols are supported. The SMF determines what CONNECT methods are supported for a MA PDU Session, considering UE capabilities and network capabilities and indicates that to the UE in PDU Session Establishment Accept. If multiple CONNECT methods are supported for a traffic flow, the UE selects the CONNECT method based on the application type (e.g. UDP or TCP) and/or based on UE implementation.

c) Additional parameters associated with a connect protocol, e.g. "ipproto" and "target" parameters associated with CONNECT-IP [7] is derived by the UE based on the detected application.

d) For IP-based PDU Session type, in a single MA PDU Session, different proxy protocols may be used for different QoS flows.

>>>>END OF CHANGES<<<<