**SA WG2 Meeting #160-Ad-Hoc-eS2-2401635**

**January 22th – 29th, 2024; Elbonia (revision of S2-2400787r34)**

**Source: OPPO, Apple, ETRI, Nokia, Nokia Shanghai Bell, Google, CATT, InterDigital, LG Electronics, Lenovo**

**Title: 23.700-54: New Key issue X: Policy enhancement for dual steer device**

**Document for: Approval**

**Agenda Item: 19.13**

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

*Abstract of the contribution: This paper proposes to add key issue on Policy enhancement for dual steer device to the FS\_MASSS.*

# 1. Proposal

The WT-D 1.3 of FS\_MASSS SID includes the following:

WT#1.3: Session management enhancements and policies:

- Study whether and how to enhance network policies provided by the HPLMN to the DualSteer Device and within the network to support DualSteer Devices.

- Study whether and how to enhance session management procedures for initial steering and potential subsequent switching. Traffic policies are in full control of the HPLMN. For sessions subject to potential switching, assuming data anchoring in the HPLMN or, in case of PNI-NPN plus PLMN, assuming data anchoring in the PNI-NPN, study how to select the PSA UPF(s) in the HPLMN to allow routing the traffic across 3GPP accesses towards the same PSA UPF during the switching.

Whether and how to enhance policy to realize the session management above should be a standalone KI. Thus, it is proposed to agree on the following Key issue description in the TR of FS\_MASSS.

Start of Changes

5 Key Issues

5.x Key Issue #x: Policy enhancements for DualSteer

5.x.1 Description

This key issue aims to study whether and how to enhance policies provided by the HPLMN to the DualSteer device and within the network(s) to support DualSteer traffic steering and/or traffic switching:

- Whether and what policies need to be provided by the HPLMN to guide the DualSteer device to connect to an additional PLMN/PIN-NPN, or an additional 3GPP access network within the same PLMN;

NOTE 1: If any PLMN selection enhancement is identified, SA2's role could be limited to study system level impacts and/or trigger CT1 to handle the work.

- For traffic steering, whether and what policies need to be provided by the HPLMN to guide the DualSteer device to select a 3GPP access network to be used for the new service;

- For traffic switching, whether and what policies need to be provided by the HPLMN to guide the DualSteer device for traffic switching between two connected 3GPP access networks;

- Whether and what policies are provided within the network(s) to handle traffic steering and/or traffic switching for DualSteer;

- Study whether and how the policy enhancements for DualSteer device have impacts on UE policies.

NOTE 1: Impact to existing policy management functionality related to the change of a service-related data between a 3GPP access network and a non-3GPP access network will be considered as part of this key issue.

End of Changes