**SA TSG-SA2 Meeting #143e S2-200xxxx**

**2021-02-24 – 2021-03-09, Elbonia**

**Source: Ericsson, Nokia, Nokia Shanghai Bell**

**Title: Connectivity Models**

**Document for: Approval**

**Agenda Item: 8.3**

**Work Item / Release: eEdge\_5GC /Rel-17**

***Abstract of the contribution:*** *This contribution adds the connectivity models in the new EC.*

# 1 Introduction

This contribution adds the connectivity models in the new EC TS.

# 3 Proposal

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

4.3 Connectivity models

5GC supports following connectivity models for enable Edge Computing:

- Distributed Anchor Point: the PDU Session Anchor is moved further out in the network, to local sites. The same PSA is used for all PDU sessions of an user towards the same DNN. The PSA may be changed due to UE mobility.

- Session Breakout: The PDU session has a PDU Session Anchor in a central site and a PDU Session Anchor in the local site. Only one of them provides the IP anchor point. The Edge Computing application traffic is selectively diverted to the local PDU Session anchor using UL Classifier or multihoming BP technology. The local PSA may be changed due to UE mobility.

- Multiple Sessions: Edge Computing applications use a specific PDU session with the PDU Session Anchor in the local site. The rest of applications use a PDU Session with a central PDU Session Anchor. The mapping between applications and PDU sessions is steered by the URSP rules. The PSA may be changed due to UE mobility.

These three connectivity models are illustrated in the figure below:



Figure 4.3-1: 5GC Connectivity Models for Edge Computing

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*