**3GPP TSG-SA WG6 Meeting #62 S6-243371**

**Maastricht, Netherlands, 19th – 23rd August 2024 (revision of S6-243135)**

**Source: Ericsson, FirstNet**

**Title: Pseudo-CR a new key issue on including NTN in IOPS scenarios**

**Spec: 3GPP TR 23.700-09 v 0.1.0**

**Agenda item: 8.8**

**Document for: Approval**

**Contact: Rana Alhalaseh, rana.alhalaseh@ericsson.com**

**1. Introduction**

This pCR looks into including NTN in IOPS operation scenarios, and in potentially in the generic IOPS functional model and procedures.

**2. Reason for Change**

This pCR introduces a key issue to utilize the benefits offered by NTN in IOPS scenarios, e.g., in limited backhaul connectivity.

**3. Conclusions**

A new key issue focuses on including NTN in IOPS operation scenarios.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TR 23.700-09 v 0.1.0

## 4.x Key issue #x: Key issue x on including NTN in IOPS scenarios

### 4.x.1 General

3GPP TS 22.346 [5] and 3GPP TS 22.261 [4] have described the main isolated operation scenarios with respect to the backhaul connectivity:

1. Isolated operation, i.e., no backhaul, as the event of having an interruption to the normal backhaul connectivity to the TN (EPS, 5GS).
2. Limited backhaul connectivity with two options:
3. Limited backhaul connectivity as the event of having only limited signalling plane of MC service UE reachable to TN.
4. Limited backhaul connectivity as the event of having limited signalling plane and limited media traffic of MC service UE.

### 4.x.2 Open issues

There are several aspects that need to be studied to utilize NTN for the isolated deployment scenarios mentioned above. This includes but not limited to:

1. Understand how to utilize NTN to provide reliable MC services during the IOPS operations mentioned above.
2. Understand the role of NTN in building a generic IOPS functional model and procedures in order to maintain an acceptable level of operations.

\* \* \* End of Changes \* \* \* \*