**3GPP TSG-CT WG1 Meeting #137-eC1-225095**

**E-Meeting, 18th – 26th August 2022**

Title: Reply to LS on Satellite E-UTRAN on PLMN selector with Access Technology

Response to: LS (C1-224516/ C6-220305) LS on Satellite E-UTRAN on PLMN selector with Access Technology

Release: Rel-17

Work Item: IoT\_SAT\_ARCH\_EPS, 5GSAT\_ARCH-CT

Source: CT1

To: CT6

Cc: SA1

**Contact Person:**

Name: Marko Niemi

Tel. Number: -

E-mail Address: [marko.niemi@mediatek](mailto:marko.niemi@mediatek).com

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

Attachments:

**1. Overall Description:**

3GPP CT1 would like to thank CT6 about LS on Satellite E-UTRAN on PLMN selector with Access Technology. In the LS, CT6 asked CT1 to note the CR and to provide feedback, if any.

CT1#137e has reviewed the attached CR#0956 rev2 for 31.102, which takes bit3 of Access Technology Identifier “Satellite access”, has concerns on the solution and is willing to provide feedback to CT6 as below.

Potential issue#1:

In earlier Rel-17 versions of TS 31.102, bit3 of the Access Technology Identifier has indicated “satellite NG-RAN”. The CR#0956 is modifying the meaning of the bit3. Setting the bit3 to “1” means “a satellite access” i.e., with associated bit7 either “satellite E-UTRAN” or with bit4 “satellite NG-RAN” as described in Table 4.2.5.2 in TS 31.102. This creates a backward compatibility issue to earlier Rel-17 versions of TS 31.102.

Potential issue#2:

TS 23.122 sc. 4.4.3 specifies “*If an entry indicates more than one access technology, then no priority is defined for the access technologies within this entry and the priority applied to each access technology within this entry is an implementation issue.*”. An operator may want to use this configuration option to configure NG-RAN and satellite NG-RAN within the same entry allowing the UE to decide implantation-specific the mutual priority order of the access technologies within the entry. This is not possible to do for satellite access and non-satellite access with the coding approved in CR#0956, as the new coding allows indicating only either satellite access(es) or non-satellite access(es) within one entry.

**2. Actions:**

**To CT6 group.**

**ACTION:** Please, consider the raised issues in the current Access Technology Identifier coding and re-consider the coding.

**3. Date of Next CT1 Meetings:**

CT1#138e 10th - 14th October 2022 e-meeting

CT1#139 14th – 18th November f2f, location TBD