**3GPP TSG-CT WG1 Meeting #141eC1-23xxxx**

**Online 17– 21 April 2023**

Title: LS on NAS-AS interaction in terms of NS-AoS

Response to: -

Release: Rel-18

Work Item: eNS\_Ph3

Source: CT1

To: RAN2

Cc: SA2

**Contact Person:**

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Attachments: -

**1. Overall Description:**

CT1 is working on stage 3 implementation in terms of NS-AoS specified in TS 23.501. With respect to the following requirement regarding NS-AoS, CT1 would like to share what has been discussed in CT1.

*The S-NSSAI location availability information sent to the UE includes, for each applicable S-NSSAI of the Configured NSSAI, Location information indicating the cells of TAs in the RA where the related S-NSSAI is available if the S-NSSAI is not available in all the cells of the TA.*

In order to fulfil the requirement, the NAS layer of a UE needs to know whether the UE is in an NS-AoS or not. Two alternatives are available:

Alternative 1

The NAS layer forwards the S-NSSAI location availability information to the AS layer. Based on the S-NSSAI location availability and the UE’s serving cell, the AS layer indicates whether the UE is inside or outside an NS-AoS to the NAS layer.

Alternative 2

The NAS layer receives information of the UE’s serving cell from the AS layer.

**2. Actions:**

**To RAN2 group.**

**ACTION:** CT1 kindly requests RAN2 to inform which alternative is preferred.

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

CT1#142 22nd – 26th May 2023 Bratislava

CT1#143 21st – 25th August 2023 Goteborg

CT1#144 9th – 13th October 2023 China (TBC)

CT1#145 13th – 17th November 2023 Chicago