**3GPP SA WG2 Meeting #163 S2-2407324**

**Jeju, Korea, 27-31 May 2024**

Title: LS on NTZ solution impacts to RAN

Response to: -

Release: Rel-19

Work Item: FS\_UAS\_Ph3

Source: SA2

To: RAN

Cc: RAN2, RAN3

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Attachments: -

**1. Overall Description:**

SA2 would like to inform RAN2, RAN3 and RAN that SA2 is progressing the Rel-19 FS\_UAS\_Ph3 study (SID: SP-231801) and had identified 6 solutions for Key Issue#3 "Support of No Transmit Zones" as documented in TR 23.700-59v0.4.0 "Study on architecture enhancements of UAS, UAV and UAM; Phase 3" (<https://portal.3gpp.org/desktopmodules/Specifications/SpecificationDetails.aspx?specificationId=4253>).

SA2 agreed to capture some of the interim conclusions from end to end system perspective for Key Issue#3 "Support of No Transmit Zones" in clause 8.3 of TR 23.700-59 that aligns with ECC ruling and feedback received from ETSI TC MSG/ TFES. The Interim conclusions may have RAN impacts.

Among the solutions documented but not yet concluded in SA2 TR, solutions #7, #9, #16, #17, etc. may rely on or identify potential RAN impacts.

SA2 understands from RAN response that RAN WGs have not made any decisions regarding RAN work, if any, for Rel-19.

Before proceeding to final conclusions and potential normative work, SA2 would appreciate feedback (for example, how NG-RAN can prevent selecting any target cell belonging to an NTZ during handover; what information, if any, would be required for NG-RAN to assist in NTZ operation; etc.) from potential impacted WGs, mainly RAN2 and RAN3.

RAN input may provide additional/different solution guidance regarding RAN impacts related to NTZ that can assist SA2 in evaluating and selecting final end to end solution for normative work.

SA2 plans to complete the normative work in Q4, 2024.

**2. Actions:**

**To RAN:**

**ACTION:** SA2 requests RAN to take the above information into account for their further planning of Rel-19 work.

**3. Date of Next TSG SA WG2 Meetings:**

TSG-SA2 Meeting #164 19 – 23 August 2024 Maastricht, Netherlands

TSG-SA2 Meeting #165 14 – 18 October 2024 Hyderabad, India