**3GPP TSG-RAN WG2 Meeting #115 Electronic R2-210xxxx**

**Elbonia, 16 – 27 August 2021**

**Title:** Response LS on Multiple TACs per PLMN

**Response to:** C1-213965, S2-2104891

**Release:** Release 17

**Work Item:** NR\_NTN\_solutions-Core

**Source:** Nokia [TSG RAN WG2]

**To:** TSG CT WG1, TSG SA WG2

**Cc:** TSG RAN WG3

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**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank CT1 and SA2 for their response LSs, submitted in C1-213965 and S2-2104891, respectively. RAN2 has taken into account the feedback provided and confirms Option 2 (AS indicates all received TAC(s) for one PLMN to NAS layer) is RAN2’s preference.

As a consequence of this decision and to provide feedback requested by CT1, RAN2 has further discussed what factors can be helpful at NAS layer in TAI selection. RAN2 indicates that TACs in NTN are fixed to geographical location on Earth. Furthermore, RAN2 believes UE’s location information could be helpful for TAI selection.

RAN2 respects the final decision on which criteria to apply (e.g. UE location information) is up to CT1 and SA2 judgement. CT1 and SA2 may consider also other factors, specific to NAS layer.

**2. Actions:**

**To TSG CT WG1 and TSG SA WG2 group.**

**ACTION:** RAN2 respectfully asks CT1 and SA2 to work on the solution for selecting a single TAC from the list of multiple TACs per PLMN indicated by the AS layer, possibly considering the feedback provided by RAN2.

**3. Date of Next TSG-RAN WG2 Meeting:**

3GPP RAN2#116-e from 2021-11-01 to 2021-11-12 Electronic Meeting