3GPP TSG-RAN WG2 Meeting #116-e R2-2111307

E-Meeting, 1st– 12th November, 2021

**Title:** [DRAFT] Reply LS on RAN2 agreements for MUSIM

**Response to:** C1-214917([R2-2109304](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_116-e/Docs/R2-2109304.zip)) on <NAS-based busy indication> from <CT1>

**Release:** Release 17

**Work Item:** LTE\_NR\_MUSIM-Core, MUSIM

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

**To:** CT1, SA2

**Cc:** RAN3, SA3

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,**

**Attachments:** -

**1. Overall Description:**

RAN2 thanks CT1 for their reply to LS on NAS-based busy indication. Regarding the NAS-based busy indication, RAN2 would like to provide the following responses for the questions asked by the CT1 in the LS C1-214917:

* Question 1: CT1 respectfully asks RAN2’s guidance on the interaction between the NAS layer and the AS layer when the AS layer receives RAN paging.

Answer 1: RAN2 has discussed the issue and agreed that the AS-NAS interaction for paging reception in RRC\_INACTIVE is left up to the UE implementation.

* Question 2: Is a paging cause, if any, indicated together with indication about RAN paging from the AS layer to NAS layer?

Answer 2: As mentioned in Answer 1, the AS-NAS interaction for paging reception, including any paging cause, in RRC\_INACTIVE is left up to the UE implementation.

Based on the CT1 spec, NAS in the UE will forward the accepted 5G-S-TMSI offset to lower layers. This is aligned with RAN2 agreement on PF/PO calculation for EPS since the AS layer needs the 5G-S-TMSI offset to calculate the UE\_ID. SA2 specifies that the 5G-S-TMSI offset in the network is used by the NAS layer to calculate an alternative 5G-S-TMSI instead of the UE\_ID, and it seems that the NAS layer needs to forward the alternative 5G-S-TMSI to the AS for the determination of paging occasions as specified in TS 36.304. So based on the SA2’s specification, SA2 is not aligned with both RAN2 and CT1’s agreements. RAN2 prefers that the alternative 5G-S-TMSI offset is to be calculated in AS layer (i.e., aligned with CT1 specification).

**2. Actions:**

**To CT1 and SA2:**

**ACTION:** RAN2 respectfully asks CT1 and SA2 to take the above responses into consideration and provide feedback if any.

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

3GPP RAN2#116bis-e from 2022-01-17 to 2022-01-25 Electronic Meeting