**3GPP TSG-RAN WG2 Meeting #121 R2-23xxxxx**

**Athens, Greece, 27th of Feb – 3rd of Mar 2023**

**Title: [DRAFT]** LS on RACH enhancement for R18 SONMDT

**Response to:**

**Release:** Release 18

**Work Item:** NR\_ENDC\_SON\_MDT\_enh2-Core

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

**To:** TSG RAN WG3

**Cc:** -

**Contact Person:**

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

**Attachments:** -

**1. Overall Description:**

In the LS R2-2211164/R3-226053, it mentions:

*RAN3 believes that if RAN2 decides to support SN RA Report for EN-DC and (NG)EN-DC, the UE should report the PSCell identity outside the RACH report to help an eNB forward the report to the correct node without the need to decode the RACH report.*

RAN2 made the following agreements:

1: To have “a list of SN RA report entries as a single NR container (i.e. NR RA-ReportList)”.

=> It is not supported in R18 that UE reports NR RACH Report to LTE cell when the UE is in standalone LTE.

And then, RAN2 discusses the following alternatives regarding how the UE includes the PSCell identities:

* **Alt 1: Includes unique PSCell identities, i.e. if a PSCell occurs more than once in NR *RA-ReportList*, it is recorded only once in the list of PSCell identities**
* **Alt 2: Includes the last PSCell identity (in NR *RA-ReportList*)**
* **Alt 3: No need to include any PSCell identity. The MN can forward the NR RA report container to the serving SN.**

All alternatives are feasible from RAN2 perspective, and RAN2 would like to check RAN3’s views on them, e.g. the feasibility, the impacts, and the preference.

**2. Actions:**

**To RAN WG3 group.**

**ACTION:** RAN2 respectfully asks RAN3 to check Alt 1, Alt 2, and Alt 3 and provide feedbacks if any.

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

3GPP RAN2#121bis from 2023-04-17 to 2023-04-26 Electronic Meeting

3GPP RAN2#122 from 2023-05-22 to 2023-05-26 Incheon , KR