**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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**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)”.

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 alternatives above (Alt 1, Alt 2, and Alt 3) and provide feedbacks.

**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