**3GPP TSG RAN WG2#127 Draft\_R2-2407664**

**Maastricht, Netherlands, 19th - 23rd August 2024**

**Title:** LS on MHI enhancement solution for SCG deactivation/activation

**Response to:** -

**Release:** Rel-19

**Work Item:** NR\_ENDC\_SON\_MDT\_Ph4-Core

**Source:** RAN2

**To:** RAN3

Cc: -

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Attachments: None

1. **Overall Description:**

RAN2 agreed that it is beneficial for the network to have information about time spent in the PSCell in activated state vs. deactivated state:

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| --- |
| RAN2#127:   * It is beneficial for the network to have information about time spent in the PSCell in activated state vs. deactivated state. |

For how to collect the time spent information, there are following two options:

Option 1: Network based solution: The network collects the information about time spent in the PSCell in activated vs deactivated state.

Option 2: UE based solution: The UE includes the information about time spent in the PSCell in activated vs deactivated state in MHI (Mobility History Information).

RAN2 kindly asks RAN3 to analyse whether Network based solution is sufficient enough for network optimization, or whether a UE based solution is needed.

**2. Actions:**

**To RAN3 group.**

**ACTION:** RAN2 kindly asks RAN3 to take the above information into account and provide feedback.

**3. Date of Next RAN2 Meetings:**

TSG-RAN WG2 Meeting #127-bis October 14 to 18, 2024 Hefei, China

TSG-RAN WG2 Meeting #128 November 18 to 22, 2024 Orlando, US