**3GPP TSG-RAN WG2 Meeting #131 R2-25xxxxx**

**Bengaluru, India, 25 - 29 Aug, 2025**

**Title: Reply LS on OAM-centric solution for NW-side data collection**

**Response to:** **R2-2505036/S5-252842**

**Release: Rel-19**

**Work Item: AIML\_MGT\_Ph2**

**Source: RAN2**

**To: SA5**

**Cc:** **RAN3**

**Contact Person:**

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

**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank SA5 for their LS in R2-2505036/S5-252842 which included the following action for RAN2.

**ACTION:** SA5 asks RAN2 to check the list of measurements currently supported in management-based Immediate MDT in clause 5.10.3 in TS 32.422, and check if they are sufficient. In case they are not sufficient, SA5 asks RAN2 to specify the missing measurements.

RAN2#131 discussed it and concluded the following:

|  |
| --- |
| RAN2 measurements  1 For network-side data collection for beam prediction, measurement reports include the following:~~.~~  ⁻ Cell identity: CGI or PCI of the cell to which the measurement results are related to.  ⁻ Logged L1 radio measurement results including the beam identifiers associated to CSI-RS resources or SSBs (CSI-RS IDs or SSB IDs) and the corresponding measured L1-RSRPs.  - [CB after OI discussion ]Information to indicate a gap that is longer than the configured logging periodicity in the logged measurements which can happen due to event-based logging. FFS the details.  2: The required L1 measurements (i.e. L1-RSRP of CSI-RS(s) or SSBs) are defined in TS 38.215 which is referenced in the definition of M1 measurement in TS 37.320.  3: RAN2 needs to ask SA5 how to transfer the measurement report with the above content and whether the M1 measurement defined in clause 5.4.1.1 of TS 37.320 can be used to transfer the measurement reports with the above content or not.  4: The gNB will configure the UE to log the above content via the NW-side data collection configuration, which is different from legacy immediate MDT configuration. |

For the 1st agreement above, the last information is updated into: the presence of a gap that is longer than the configured logging periodicity in the logged measurements.

RAN2 notes that the required L1 measurements (i.e. L1-RSRP of CSI-RS(s) or SSBs) are defined in TS 38.215, which is referenced in the definition of M1 measurement in TS 37.320. However, RAN2 is not sure whether this measurement can be used to transfer the measurement reports with the current content mentioned above from gNB to OAM or not. On this aspect, RAN2 expects inputs from SA5.

**2. Actions:**

**To SA5:**

**ACTION:** RAN2 kindly asks SA5 to take above replies into account in future discussion, and provide solution on how the measurement reports with the content listed above can be transferred, e.g. whether the legacy measurements listed in clause 5.10.3 of TS 32.422 (e.g. M1) can be used to transfer the measurement reports with the content listed above or not. If not, RAN2 kindly asks SA5 to provide a solution for the transfer of measurement reports with the content listed above.

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

RAN2#131bis 13 - 17 October Prague, Czech

RAN2#132 17 - 21 November Dallas, USA