**3GPP TSG-RAN3 Meeting #127 R3-250877**

**Athens, Greece, Feb 17-21, 2025**

**Title: Reply LS on OAM requirements to support regenerative payload transport links**

**Response to: S2-2413030/R3-250023 and S5-247311/R3-250030**

**Release: Rel-19**

**Work Item: NR\_NTN\_Ph3-Core**

**Source: RAN3**

**To: SA2, SA5**

**Cc:**

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

**Attachments:**

**1. Overall Description:**

RAN3 thanks SA2 and SA5 for the reply LS on OAM requirements to support regenerative.

The existing NG signalling procedures for supported TAI list update are expected to work as legacy. However, some NTN scenarios (e.g. NGSO NTN scenarios) benefit from the RAN3 agreements on OAM based solution.

RAN3 discussed and would like to provide the following clarifications:

* In general, satellite orbital movement is periodic and predictable; therefore, any resulting change to node parameters will result in the same information being frequently exchanged over network interfaces at regular intervals.
* In the solution agreed by RAN3, both AMF and gNB share the same OAM configuration on supported TAI list of the on-board gNB, this is considered as an optimization.
* NG Setup procedure is always expected to take place according to current specifications.
* The solution agreed by RAN3 avoids the need for periodic and frequent RAN Configuration Update procedures. Any potential discrepancy between OAM configuration and parameters received via NG signalling, if present, is expected to be resolved via implementation.
* With respect to the frequency of updates by OAM, RAN3 believes this is in SA5 scope.

**2. Actions:**

**To SA2 and SA5group:**

**ACTION:** RAN3 kindly asks SA2 and SA5 to take the above information into account.

**3. Date of Next TSG-RAN3 Meetings:**

TSG-RAN3 Meeting #127bis 07-11 Apr 2025 Wuhan, CN

TSG-RAN3 Meeting #128 19-23 May 2025 Malta, MT