3GPP TSG RAN WG3 Meeting #129 R3-25xxxx

Bengaluru, India, 25 - 29 August, 2025

Title: [DRAFT] LS on data collection for TAI Slice Support List configuration

Response to: NA

Release: Release 19

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

Source: RAN3

To: SA2

Cc: SA5

**Contact Person:**

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Attachments: none

**1. Overall Description:**

The list of slices supported per Tracking Area, i.e., *TAI Slice Support List* is configured by the OAM in the gNB which transfers it to the AMF for subsequent registration area management of the UE.

In the framework of Data Collection for SON\_MDT in NR standalone and MR-DC work item RAN3 identified scenarios for which it may be beneficial to collect and report to the OAM the list of slices rejected by the NAS layer, i.e. *Rejected S-NSSAI(s)*, in response to a *Mobility Registration Update* procedure initiated by a UE in a tracking area in which the requested slices are not supported, i.e. one or more of the slices included in the *Requested NSSA*I list of the *Mobility Registration Update Request* are not included in the *TAI Slice Support List* of the tracking area.

Upon receiving the collected information, OAM could, if appropriate, adjust the configuration for the list of slices supported per tracking area to better match the user demand.

As per current state of the art of the specifications, RAN is unaware of the list of slices rejected by the NAS layer during UE registration procedures and, therefore, RAN3 envisages the two following flavours for the solution addressing the use case above:

1. **RAN-based solution**: In this solution RAN is made aware of the Rejected S-NSSAI(s), which enables the RAN to collect and report the relevant information to the OAM.
2. **CN-based solution**: In this solution the information related to the Rejected S-NSSAI(s) is collected and provided to the OAM by the core network.

**2. Actions:**

**To SA2:**

**ACTION:** RAN3 kindly asks SA2 to acknowledge the relevance of the presented use case and to provide feedback with respect to the envisaged solutions.

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

TSG-RAN3 Meeting #129bis 13-17 October 2025 Pragues, CZ

TSG-RAN3 Meeting #130 17-21 November 2025 Dallas, Texas