**3GPP TSG-RAN WG3 Meeting #111-e R3-211106**

**E-meeting, 25 Jan – 5 Feb 2021**

**Title: [draft]** LS on the TNL address of the AMF received from the source 5G-AN node during Xn handover

**Response to:**

**Release:** Rel-15

**Work Item:** NR\_NewRAT-Core

**Source:** Nokia [will be RAN3]

**To:** SA2

**Cc:** -

**Contact Person:**

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1. **Overall Description:**

RAN3 discovered an inconsistency between the RAN3 specification and SA2 specification, regarding the TNL address of the AMF received from the source 5G-AN node during Xn handover. TS23.502 Section 4.2.7.2.2 states:

During an Xn-based inter NG-RAN node handover, the following applies

- If an NGAP UE-TNLA-binding exists for a UE, the source 5G-AN node supplies the target 5G-AN node with the corresponding TNL address of the AMF for the currently used TNL association.

- If the target 5G-AN receives the TNL address of the AMF from the source 5G-AN node, the target 5G-AN node establishes a TNL association towards the TNL address received from the source 5G-AN node, creates an NGAP UE-TNLA-binding to this TNL association and sends the N2 Path Switch Request via this TNL association.

The TNL address of the AMF is mandatory in the Xn HANDOVER REQUEST message. RAN3 agreed no new TNL association establishment during Xn handover. RAN3 also agreed following:

* When target 5G-AN node has an available TNL association towards the TNL address received from the source 5G-AN node, the target 5G-AN should select that TNL association to create an NGAP UE TNLA binding for the UE.
* Otherwise, target 5G-AN node should select other available TNL association towards the same AMF or an AMF from the same AMF set to create an NGAP UE TNLA binding for the UE.

RAN3 would like to ask SA2 to align with RAN3 agreement and update the related specification.

**2. Actions:**

**To SA2:**

**ACTION:** RAN3 respectfully ask SA2 to take the above into account and update the related specification.

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

TSG-RAN3 Meeting #112-e 17th – 28th May 2021

TSG-RAN3 Meeting #113-e 23th – 27th Aug 2021