**3GPP TSG-SA WG3 Meeting #115e *S3*-24xxxx**

**E-Meeting, 15 - 19 April 2024**

**Title: LS to request clarification on the potential baseline system architecture of 5G NR Femto**

**Release: Rel-19**

**Work Item: FS\_5G\_Femto\_Sec**

**Source: China Mobile (to be SA3)**

**To: RAN3, SA2**

**Cc:**

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

**1. Overall Description:**

SA3 has initiated the security study for 5G NR Femto. As there is no specification for the system architecture enhancement, it is difficult to progress with SA3’s study. SA3 kindly requests SA2 and RAN3 to provide us the potential baseline system architecture of 5G NR Femto:

* What would be the backhaul system architecture capability in 5G for home broadband xDSL deployed Femto? Does it still need an aggregation of N2/N3 alike S1-MME & S1 Flex towards CN? E.g., do we have HeNB Access Gateway equivalent optionally for 5G NR or it’s removed?
* Does it need SCTP concentrator in the backhaul?

Depending on the baseline architecture, then SA3 can conduct further risk analysis and identify the gap whether current measures suffice or not.

**2. Actions:**

**To RAN3, SA2**

**ACTION:**

Please take the above information into account and provide us the requested information.

**3. Date of Next SA3 Meetings:**

3GPP TSG SA3#116 20 - 24 May 2024 Jeju (South Korea)

3GPP TSG SA3#117 19 - 23 August 2024 Maastricht (Netherlands)