**3GPP TSG-RAN WG3 Meeting #120 R3-23xxxx**

**Incheon, Korea, May 22 – 26, 2023**

Title: [draft]Reply LS on FS\_VMR solutions review

Response to: LS R3-230032 (S2-2211437) on FS\_VMR solutions review

Release: Rel-18

Work Item: NR\_mobile\_IAB

Source: ZTE [to be: RAN3]

To: SA2

Cc: RAN2, RAN4, RAN

**Contact Person:**

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

Attachments:

**1. Overall Description:**

Regarding SA2’s reply LS on FS\_VMR solutions review (R3-230032/ S2-2211437), RAN3 discussed point#6 and point#7 during RAN3#120 and has some further progress on these two issues which would like to inform SA2 as below.

SA2 question on point#6:

* For point#6 (regarding KI#5), based on the SA2 study, NRPPa triggered procedure for the LMF to obtain MBSR location information i.e., location and velocity at a specific scheduled time could be a good alternative to the GMLC based MT-LR solution. Additionally, SA2 would also like to allow the LMF to obtain the UE ID of the MBSR via NRPPa from the donor gNB. SA2 would like to ask RAN3 to consider supporting such solution within Rel-18 timeframe.

RAN3 answer on point#6 during RAN3#119:

* For point#6 (regarding KI#5): RAN3 needs to conduct further discussions to converge on a solution. RAN3 will inform SA2 for any progress.

RAN3 answer on point#6 during RAN3#120:

* For point#6 (regarding KI#5): RAN3 has agreed the solution to support UE positioning when the UE is served by MBSR. And the CRs (R3-23xxxx...) have been agreed.

SA2 question on point#7:

* For point#7 (regarding KI#6), SA2 would like to clarify that additional information besides existing ULI from donor-gNB (as defined in Rel-17) is needed, so that the 5GC can understand that the existing ULI cannot be used directly. This is crucial for the support of services that rely on the cell ID to infer the UE locations, e.g. emergency services. Therefore, SA2 would like to request RAN3 to either confirm the support of additional ULI for the UE serviced by an MBSR or provide an alternative solution.

RAN3 answer on point#7 during RAN3#119:

* For point#7 (regarding KI#6): RAN3 believes that the functionality requested to provide UE location in point#7 can be accommodated within Rel-18.

RAN3 answer on point#7 during RAN3#120:

* For point#7 (regarding KI#6): RAN3 agreed to support additional ULI for the UE serviced by an MBSR. And the CR(R3-23xxxx) to TS 38.413 has been agreed to support additional ULI.

**2. Actions:**

**To SA2 group.**

**ACTION:** RAN3 asks SA2 to take the above feedback into account and provide feedback, if any.

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

TSG-RAN3 Meeting #121 – August 21 to 25, 2023 Toulouse, France

TSG-RAN3 Meeting #121bis – October 9 to 13, 2023 Xiamen, China