**3GPP TSG-WG SA2 Meeting #165 *S2-2410630***

**Hyderabad, IN, 14th Oct – 18th Oct, 2024 (revision of S2-2410487)**

Title: [DRAFT] LS Reply on FS\_XRM Ph2

Response to: LS (S2-2409598/R3-244844) on FS\_XRM Ph2 from RAN3

Release: Release 19

Work Item: FS\_XRM\_Ph2

Source: [Huawei to be] SA2

To: RAN3, RAN2

Cc: SA4

**Contact Person:**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

Attachments: TBD (CRs if agreed)

**1. Overall Description:**

SA2 thanks RAN3 for the LS on FS\_XRM Ph2 (R3-244844/S2-2409598) and kindly asks RAN3 to consider the following SA2 feedback.

1. *From RAN3 perspective, the control plane based solution providing periodicity per QoS flow as part of the TSCAI is sufficient for semi-static periodicity case. Other potential cases (e.g. dynamic case) need to be clarified by SA2, if any.*

**Feedback from SA2:**

SA2 has agreed to exclude the in-band signalling of the periodicity in Rel-19.

1. *For semi-static periodicity traffic, it is feasible for NG-RAN node to provide the available data rate to CN via UP. For dynamic traffic, some companies have concern that the reporting of available data rate may not be accurate.*

*RAN3 would like SA2 to further clarify the definition of “available data rate”, e.g., it is only below the GFBR, or between GFBR and MFBR, or even above MBFR; whether it should be periodic reporting, on demand reporting, or threshold(s) defined reporting.*

**Feedback from SA2:**

From SA2 perspective, the available data rate doesn’t need to be 100% accurate. While it is up to the application layer how to make use of it, we can however assume that the application will typically exchange data with a somewhat lower rate than what is reserved or measured at NG-RAN.

Regarding the definition of “available data rate”, it refers to the data rate that NG-RAN is currently able to provide for a QoS Flow with GFBR. The “available data rate” can be below the GFBR for a QoS Flow with Notification Control enabled without AQPs. The “available data rate” can be between the GFBR and the MFBR for a QoS Flow with MFBR>GFBR. The “available data rate” should however not be above the MFBR (as the NG-RAN is not required to provide more resources that what is required for the MFBR).

Periodic reporting should not be useful (as the available data rate should often be identical to the GFBR). On demand or threshold base reporting is required with the two scenarios: a) the available data rate is below the GFBR and b) the available data rate is between the GFBR and the MFBR.

**2. Actions:**

**To RAN3 group.**

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

**3. Dates of next TSG SA WG2 Meetings:**

TSG-SA2 Meeting #166 18th Nov – 22nd Nov, 2024 Orlando, US

TSG SA2 Meeting #166-Adhoc-e 20th Jan – 24th Jan, 2025 Online

TSG-SA2 Meeting #167 17th Feb – 21st Feb, 2025 Athens, GR