**3GPP TSG-RAN WG2 Meeting #129bis R2-25xxxxx**

**Wuhan, China, April 7 – 11, 2025**

**Title: [DRAFT]** LS on S&F mode indications to NAS

**Response to:** -

**Release:** Rel-19

**Work Item:** IoT\_NTN\_Ph3-Core

**Source:** CATT **[To be RAN2]**

**To:** CT1

**Cc:** -

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**Attachments:** -

1 Overall description

RAN2 is discussing the support of time information for the transition between "store-and-forward (S&F) operation mode" and "normal mode" for a Rel-19 IoT NTN satellite. Specifically, for an IoT NTN satellite supporting S&F operation:

* RAN2 agreed that time information for the transition from current "S&F operation mode" to "normal mode" is provided in system information (i.e. SIB31). For UEs supporting S&F operation, the UE AS indicates the information on transition time (if any) from current "S&F operation mode" to "normal mode" (if received) to the upper layers, e.g. to delay some NAS procedures till the feeder link is resumed.
* RAN2 also agreed to introduce an indication in system information for the "normal mode" to "S&F operation mode" transition, at least for NAS use. The information on transition time for the "normal mode" to "S&F operation mode" transition is sent from UE AS to NAS.

RAN2 also decided that whether/how the above transition time information is used by the upper layers is up to CT1.

2 Actions

**To CT1**

**ACTION:** RAN2 respectfully asks CT1 to take above information into account, and make corresponding specification changes (if needed).

3 Dates of next TSG RAN WG2 meetings

TSG RAN WG2 Meeting #130 2025-05-19 ~ 2025-05-23 Malta, MT

TSG RAN WG2 Meeting #131 2025-08-25 ~ 2025-08-29 India (TBC), IN