**3GPP TSG-RAN WG3 Meeting #129 R3-255888**

**Bengaluru, India, 25 – 29 August 2025**

**Agenda item: 14.3**

**Source: CATT (Moderator)**

**Title: Summary of offline discussion for CB: # 26\_NTN**

**Document for: Discussion and Decision**

# 1 Introduction

This contribution provides summary of offline discussion for CB#26.

**CB: # 26\_NTN**

**- BL CR cleanup and corrections**

**- Discussion of remaining open issues**

(CATT)

# 2 For the Chair’s Notes

**For NG Suspend/Resume:**

* **Agree the Stage 2 TP in** [**R3-255547**](file:///E%3A%5C%E4%BC%9A%E8%AE%AE%E6%96%87%E4%BB%B6%5CRAN3%5C2025%E5%B9%B4%5CRAN3_129%5CInbox%5CDrafts%5CCB%20%23%2026_NTN%5CDocs%5CR3-255547.zip)
* **Agree the Stage 3 TP in** [**R3-25554**](file:///E%3A%5C%E4%BC%9A%E8%AE%AE%E6%96%87%E4%BB%B6%5CRAN3%5C2025%E5%B9%B4%5CRAN3_129%5CInbox%5CDrafts%5CCB%20%23%2026_NTN%5CDocs%5CR3-255547.zip)**8**

**For the others:**

**R3-255889, revised from** [**R3-255292**](file:///E%3A%5C%E4%BC%9A%E8%AE%AE%E6%96%87%E4%BB%B6%5CRAN3%5C2025%E5%B9%B4%5CRAN3_129%5CInbox%5CDrafts%5CCB%20%23%2026_NTN%5CDocs%5CR3-255292.zip)**, to be agreed with the revision below:**

* Ephemeris information describing the orbital trajectory information or coordinates for the hosting NTN payload of the serving gNB, and optionally for NTN Payload(s) serving neighbor cells. This information is provided on a regular basis or upon demand to the gNB;
* Add Ericsson, Xiaomi, ZTE, Huawei, CATT, Thales, LGE, Airbus, as co-source companies.

**R3-255890, revised from** [**R3-255617**](file:///E%3A%5C%E4%BC%9A%E8%AE%AE%E6%96%87%E4%BB%B6%5CRAN3%5C2025%E5%B9%B4%5CRAN3_129%5CInbox%5CDrafts%5CCB%20%23%2026_NTN%5CDocs%5CR3-255617.zip)**, to be agreed with below revision.**

* NOTE: After a successful NG removal, the gNB may initiate a new NG Setup procedure, if required, based on e.g. ephemeris information.
* Add ZTE, CATT as co-source companies

**R3-255891, revised from** [**R3-255508**](file:///E%3A%5C%E4%BC%9A%E8%AE%AE%E6%96%87%E4%BB%B6%5CRAN3%5C2025%E5%B9%B4%5CRAN3_129%5CInbox%5CDrafts%5CCB%20%23%2026_NTN%5CDocs%5CR3-255508.zip)**, to be agreed, only take the 1st change and revise it as below:**

* In this version of the specification, for regenerative payload, it is assumed the UE’s serving AMF is not changed due to the feeder link switch over.

**Note:** All the other Tdocs could also be Noted, as have been considered in the offline discussion.

# 3 Discussion

**NG Suspend/Resume:**

The following TPs to reflect the decision of online discussion, i.e. revert support of NG Suspend/Resume from BL CR.

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| --- | --- | --- |
| [R3-255547](Docs%5CR3-255547.zip) | Downlink NG Transmission Suspend/Resume – Stage 2 TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | Other**To be Agreed.** |
| [R3-255548](Docs%5CR3-255548.zip) | Downlink NG Transmission Suspend/Resume – NGAP TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | Other**To be Agreed.** |

**Other TPs for Regenerative Payload:**

|  |  |  |
| --- | --- | --- |
| [R3-255264](Docs%5CR3-255264.zip) | (TP to BL CR for 38.413) Support of MBS Broadcast (ZTE Corporation) | OtherNoted. |
| [R3-255292](Docs%5CR3-255292.zip) | (TP to BL CR for TS 38.300) Clarification on the OAM requirements (Nokia, Nokia Shanghai Bell) | Other**To be agreed with the revision below:*** Ephemeris information describing the orbital trajectory information or coordinates for the hosting NTN payload of the serving gNB, and optionally for NTN Payload(s) serving neighbor cells. This information is provided on a regular basis or upon demand to the gNB;
* Add Ericsson, Xiaomi, ZTE, Huawei, CATT, Thales, LGE, Airbus, as co-source companies.
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| [R3-255617](Docs%5CR3-255617.zip) | (TP for NR\_NTN\_Ph3 TS 38.300 BL CR) Stage-2 capturing logical connection between NG Removal/Setup and ephemeris info (LG Electronics Inc., Ericsson, Nokia, Nokia Shanghai Bell, Huawei) | Other**To be agreed with below revision.*** NOTE: After a successful NG removal, the gNB may initiate a new NG Setup procedure, if required, based on e.g. ephemeris information.
* Add ZTE, CATT as co-source companies
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| [R3-255508](Docs%5CR3-255508.zip) | (TP to BL CR for TS 38.300) Hard FLSO and AMF management (Huawei, Ericsson, Thales, Jio Platforms, Deutsche Telekom) | Other**To be agreed, only take the 1st change and revise it as below:*** In this version of the specification, for regenerative payload, it is assumed the UE’s serving AMF is not changed due to the feeder link switch over.
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| [R3-255671](Docs%5CR3-255671.zip) | Discussion on impacts on Xn interface with SMTC enhancment (CSCN) | DiscussionRAN2 scope. Noted. |
| [R3-255672](Docs%5CR3-255672.zip) | (TP to BL CR for TS 38.300 on NR\_NTN\_Ph3) Stage 2 Updates for Regenerative Payload (NEC) | OtherRAN2 scope. Noted. |

# 4 References

1. R3-255264 (TP to BL CR for 38.413) Support of MBS Broadcast (ZTE Corporation)
2. R3-255292 (TP to BL CR for TS 38.300) Clarification on the OAM requirements (Nokia, Nokia Shanghai Bell)
3. R3-255617 (TP for NR\_NTN\_Ph3 TS 38.300 BL CR) Stage-2 capturing logical connection between NG Removal/Setup and ephemeris info (LG Electronics Inc., Ericsson, Nokia, Nokia Shanghai Bell, Huawei)
4. R3-255508 (TP to BL CR for TS 38.300) Hard FLSO and AMF management (Huawei, Ericsson, Thales, Jio Platforms, Deutsche Telekom)
5. R3-255442 (TP for TS 38.413) Introduce gNB-initiated AMF switch signaling to support UE context transfer for regenerative NTN gNB mobility (Jio Platforms)
6. R3-255671 Discussion on impacts on Xn interface with SMTC enhancment (CSCN)
7. R3-255672 (TP to BL CR for TS 38.300 on NR\_NTN\_Ph3) Stage 2 Updates for Regenerative Payload (NEC)
8. R3-255547 Downlink NG Transmission Suspend/Resume – Stage 2 TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom)
9. R3-255548 Downlink NG Transmission Suspend/Resume – NGAP TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom)
10. R3-255212 (TP to BL CR for TS 38.300 on NR\_NTN\_Ph3) Discussion on NTN leftover issue (NEC)
11. R3-255287 Remaining Issues on Support of NTN Regenerative Architecture (TCL)
12. R3-255334 (TP to BL CR TS 38.300) Support of NG suspend/resume (Xiaomi)
13. R3-255335 (Draft LS out) Support of NG suspend resume (Xiaomi)
14. R3-255343 Remaining issues on support of regenerative payload for NR NTN (Samsung)
15. R3-255382 NG transmission suspend resume procedure (China Telecom)
16. R3-255602 Reconsideration on NG Suspend/Resume Signaling for FLSO (Jio Platforms)
17. R3-255640 Optional NGAP IEs for node-level indication of temporary NTN feeder-link outage via RAN CONFIGURATION UPDATE (gNB?AMF) (Jio Platforms Limited)
18. R3-255702 (TP to BLCR for TS 38.300) Indicator for NG Suspend/Resume (CMCC)