TSG RAN Meeting #103 RP-240142

18 - 21 March 2024, Maastricht, Netherlands

**Source: Thales, NTT Docomo**

**Title: Rel-18 Work Item Exception for NR NTN (Non-Terrestrial Networks) enhancements**

**Document for: Approval**

**Agenda Item: 9.4.2.4**

3GPP™ Work Item Exception

# Title : NR NTN (Non-Terrestrial Networks) enhancements

## Acronym : NR\_NTN\_enh

## Unique Identifier : 941006

**Release 18 Submission form**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Feature / Item:** |  | | | | |
| **Affects:** | **UICC apps:**  **no** | **ME:**  **yes** | **AN:**  **yes** | **CN:**  **no** | **Others (specify):**  **no** |
| **Expected Completion Date:** | 3GPP RAN#104 (June 2024) | | | | |
| **Service(s) impacted:** | None | | | | |
| **Specification(s) affected:** | 38.101-5 | | | | |
| **Task(s) within work which are not complete:** | Following core requirements are not completed in this WI.   * NTN UE RF requirements | | | | |
| **Consequences if not included in Release 18:** | These functions are not supported in Release 18. | | | | |

**Abstract of document:**

This WI exception requests to extend the completion date of NR NTN (Non-Terrestrial Networks) enhancements WI to June 2024 (core part).

To finalise the specification of selected remaining core requirements for NR-NTN deployment in above 10 GHz

* Minimum output power for VSAT UE
* Maximum input power for VSAT UE
* ACS for VSAT UE

**Contentious Issues:**

The specification of some remaining core requirements for NR-NTN deployment in above 10 GHz listed above may be contentious, for example the UE ACS requirement.