**3GPP TSG-RAN4 Meeting #116bis** **R4-25xxxx**

**Prague, Czechia, 13th Oct 2025 - 17th Oct 2025**

**Agenda item:** 4.1.3

**Source:** Moderator (Eutelsat Group)

**Title:** Ad hoc minutes for [116bis][303] Ku\_band\_Maintenance

**Document for:** Information

# Topic #1: System parameters (agenda 4.2.7.1)

## Ad hoc minutes

### Sub-topic 1-1: Alignment of SSB and Sync raster SCS

* Proposals: Proposal 1 from CATT in [**R4-2513151**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513151.zip)
* Proposal 1: Add a note “NOTE 2: SS Block SCS is same with SCS for data channels.” for band n248 and n247 for applicable SS raster in Table 5.4.3.3-1 of TS 38.101-5 and TS 38.018 as below:

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* Draft CR about Proposal from CATT in **[R4-2513153](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513153.zip)**

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* Moderator Recommendation:
* The WF agreed that this was missed in the big CR.
* Adopt the draft CR in [**R4-2513150**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513150.zip) with clarified wording:
  + “Note 2: The SSB SCS shall be the same as used for the data channel”
* Adopt change 1 in the draft CR in [**R4-2513153**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513153.zip) with the same modified wording:
  + “Note 2: The SSB SCS shall be the same as used for the data channel”

CHTTL: The SCS for the SSB shall be the same as the SCS for the data channel

Moderator: New text is agreed

CATT to request a revision of R4-2513150 which is agreeable.

### Sub-topic 1-2: Clarification of NTN frequency ranges

* Proposals:
  + Proposal in [**R4-2513449**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513449.zip) for 38.108 from Xiaomi

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* + Proposal in [**R4-2513450**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513450.zip) for 38.101-5 from Xiaomi

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* Moderator Recommendation:
* Endorse the draft CRs in [**R4-2513449**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513449.zip) and [**R4-2513450**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513450.zip)

Ericsson: Replace below or equal with “not exceeding”

Thales: Changes are inconsistent with Rel-17

Change is needed; wording will be clarified by Xiaomi before endorsement.

### Sub-topic 1-3: Regulatory updates

* Proposals:
  + Proposal in draft CR [**R4-2513831**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513831.zip) from Ericsson to capture ITU-R, FCC and ECA frequency allocation + ECC Decisions and ETSI Harmonized Standards
* Moderator Recommendation:
* Endorse the draft CRs in [**R4-2513831**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513831.zip)

Endorse the draft CR in **[R4-2513831](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513831.zip)**.

# Topic #2: UE RF requirements (agenda 4.2.7.2

## Ad hoc minutes

### Sub-topic 2-1: PFD limits

* Proposals:
* Observations and Proposals from Ericsson in [**R4-2513828**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513828.zip)
  + Observation 1: RAN4 already specified NTN limits that could be exceeded for a short amount of time.
  + Observation 2: RAN4 already specified NTN limits depending on the number of terminals simultaneously transmitting. This could also be done for PFD limits if needed.
  + Observation 3: Even if the NCF is out of scope of EN 301 186, this Harmonized Standard specifies PFD limits and associated test procedures.
  + Proposal 1: Capture the regulatory PFD limits as normative requirements. If not, TS 38.101-5 will not be complete.
  + Proposal 2: Capture the regulatory PFD limits for NTN VSAT via NS signalling, as suggested in our companion draft CR([4]).
  + Proposal 1: Study the OTA test methods on Ka-band as a starting point.
* Draft CR from Ericsson in [**R4-2513829**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513829.zip)
* Moderator Recommendation:
* Discussion required

CHTTL: Should we focus only on ECC, or do we need to consider FCC as well? Whether we need to have a specific NS value for the PFD requirement.

Thales: This is an operational requirement that does not need to be in the specification

Ericsson: Propose a limit per device based on the aggregate limit. How to test is TBD.

Thales: Concern is that in some situations the altitude or geographic area changes the limit. What is the limit to use?

CHTTL: For the airplane, it depends on operational height. For land and vessel, it depends on location. For example. Land mobile E-SIM PFD threshold value is at an observatory.

Moderator: How to pick the limit?

Ericsson: Proposal is allowing for many cases. Draft CR proposes values. Values proposed are aligned with ITU.

CHTTL: Land mobile E-SIM values are different. Can Ericsson clarify the source of the values in the draft CR as they are not fully aligned with regulations.

Thales: How are they derived and how will the test be implemented e.g., satellite is easy but VSAT changes elevation.

Huawei: For the test procedure at least for aerial, there is an ETSI spec.

Keysight: Which ETSI spec is this?

Thales: Can the proponents clarify the EIRP value of the VSAT corresponding to the PFD limit?

Endorse the principle of the draft CR but review the actual limits at the next meeting after the derivation has been clarified.

### Sub-topic 2-2: Corrections to NS206 and NS207

* Proposals:
* Draft CR from MediaTek (Wuhan) Inc in [**R4-2513951**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513951.zip)

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* Change 2 in draft CR from ZTE, Sanechips in [**R4-2514023**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip)

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* Change 3 in draft CR from ZTE, Sanechips in [**R4-2514023**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip)

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* Moderator Recommendation:
* The proposals in [**R4-2513951**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513951.zip) and [**R4-2514023**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip) are not the same

Mediatek: OK for NS value 207. For NS 206 need to check applicability of 10.8.2

ZTE: This requirement is applied for LEO in CEPT

Come back to the next meeting with decision on 10.8.2 applicability

Change 3 in draft CR in R4-2514023 is deferred based on the above.

### Sub-topic 2-3: EIRP and TRP tolerances

* Proposals:
* Proposal 1 from ZTE, Sanechips in [**R4-2514023**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip)

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* Moderator Recommendation:
* Endorse changes to 9.2.3 in draft CR [**R4-2514023**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip)

Endorses the draft CR in **[R4-2514023](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514023.zip)**

### Sub-topic 2-4: Correction of NTN Ku band VSAT requirements for section 10.3, 10.5 and 10.6

* Proposals:
* Draft CR from CHTTL in [**R4-2514124**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514124.zip)
  + Clarify the use of the EISREFSENS\_10M is for the n248 and n246 and based on 10MHz channel bandwdith, while the resultins EISREFSENS\_50M shall be within the specified requirement.
  + For bands n248 and n247, vendor can also declare EISREFSENS\_10M based on 10MHz channel bandwidth, in which case the EISREFSENS\_50M = EISREFSENS\_10M +7dBm, and the resulting EISREFSENS\_50M shall still fall within the range specified in Table 10.3.2-2 for corresponding NTN VSAT type.”
  + Correct the EISREFSENS\_50M to EISREFSENS\_10M in table 10.5.1-3 and table 10.6.2-2.
* Moderator Recommendation:
* Endorse the daft CR in [**R4-2514124**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514124.zip)

LG: This CR is mainly editorial. Replace wording of list of bands with more generic to make it future proof.

CHTTL: Can revie according to LG suggestion. Cover page also needs updating.

CHTTL to request a revision at this meeting.

# Topic #3: SAN RF requirements (agenda 4.2.7.3)

## Ad hoc minutes

### Sub-topic 3-1: ACS interfering signal definition

* Proposals:
* Proposal 1 from CATT in [**R4-2513152**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513152.zip)
  + Proposal 1: For CP-OFDM type of interfering signal for ACS requirement for FR1-NTN Ku-band, the RBs for 20MHz CBW and 15kHz SCS should adopt 106 instead of 100.
* Proposal 2 from CATT in [**R4-2513152**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513152.zip)
  + Proposal 2: To adopt the following ACS interferer frequency offsets for CP-OFDM type of interfering signal for FR1-NTN Ku-band.
* Moderator Recommendation:
* Agree proposals 1 and 2 in [**R4-2513152**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513152.zip)

Huawei: Proceed but for the final CR want to endorse but square brackets at this meeting

CATT can request a revision at this meeting

### Sub-topic 3-2: OTA ICS defintiion

* Proposals:
* Draft CR from Ericsson in [**R4-2513828**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513828.zip)
  + Change the In-channel Selectivity requirement definition by replacing EISREFSENS\_10M with EISREFSENS\_50M.

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* Change 3 in draft CR from CHTTL in **[R4-2514125](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514125.zip)**

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* Moderator Recommendation:
* Endorse the draft CR in [**R4-2513828**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513828.zip) or endorse change 2 in **[R4-2514025](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514025.zip)**

CHTTL: Both CRs change 10 to 50. In CHTTL uses a shift.

Need to check which CR to endorse at this meeting.

### Sub-topic 3-3: EVM window length

* Proposals:
* Draft CR from ZTE Corporation, CHTTL in [**R4-2514024**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514024.zip)
  + Draft CR to TS38.108 Add EVM window length for FR1-NTN Ku bands
  + EVM window length requirement is missing for FR1-NTN Ku bands.
  + Add EVM window length requirement for FR1-NTN Ku bands

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* Moderator Recommendation:
* Endorse draft CR in [**R4-2514024**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514024.zip)

Endorsed the draft CR in **[R4-2514024](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514024.zip)**.

**The remaining issues were not covered due to lack of time. Moderator proposals in yellow now follow.**

### Sub-topic 3-4: EIRP, TRP tolerances and OTA transmitter spurious emissions

* Proposals:
* Change 2 in draft CR from ZTE Corporation, CHTTL in [**R4-2514025**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514025.zip)

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* Moderator Recommendation:
* Endorse change 2 in [**R4-2514025**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514025.zip)

Endorse change 2 in **[R4-2514025](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514025.zip)**

### Sub-topic 3-5: Aligning clause titles

* Proposals:
* Change 1 in draft CR from CHTTL in [**R4-2514125**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514125.zip)
  + Aligning the clause title as “SAN type 1-O operating below 10GHz”, and “SAN type 1-O above operating 10GHz” for section 9.4.2.2, 9.4.4, 9.6.1.2, 9.6.1.2a (new), 9.6.2.2, 9.6.2.2a (new), 10.4.2
* Moderator Recommendation:
* Endorse change 1 in [**R4-2514125**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514125.zip)

Endorse chang 1 in **[R4-2514125](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514125.zip)**

### Sub-topic 3-6: SAN LEO adn GEO classes

* Proposals:
* Change in draft CR from CHTTL in [**R4-2514125**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514125.zip)
  + Add note 2 to Table 10.3.2a-1 to align with Table 10.3.3-1

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* Moderator Recommendation:
* Is this change necessary?
* Discussion required

# Topic #4: RRM requirements (agenda 4.2.7.4)

## Companies’ contributions summary

All Tdocs related to the following topics (agenda 4.2.7.4) are listed here:

|  |  |  |
| --- | --- | --- |
| **T-doc** | **Company** | **Proposals / Observations** |
| [**R4-2513634**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip) | LG Electronics Inc. | Proposal 1: Refine the exception time limit less than 1 second (e.g., 0.5 seconds). |
| [**R4-2513688**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513688.zip) | LG Electronics Inc. | Clarify terminology and complete missing definitions for FR2 satellite switching requirements, and align exception handling consistently between hard and soft switch.  The requirements for FR2 satellite switching were updated for consistency and completion.  - replace “cell” with “satellite” in 6.1C.3.3  - refine the exception time limit related to t-ServiceStart-18 in 6.1C.3.3.3 |
| [**R4-2513912**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip) | vivo | Draft CR on RRM core requirements of Ku band for NR NTN  The mobile VSAT UE type is indicated via ntn-VSAT-MobilityType-r19. However, in the current timing requirement, it is incorrectly specified as ‘UEs that indicate ‘mobile’ via UE capability ntn-VSAT-AntennaType-r19.’. The ntn-VSAT-AntennaType-r19 is for beam steering capability  Correct the UE capability in Note 3 of Table 7.1C.2-3 from ntn-VSAT-AntennaType-r19 to ntn-VSAT-MobilityType-r19. |
| [**R4-2514096**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514096.zip) | ZTE Corporation, Sanechips | Observation 1: The time mainly refer to beamforming weight preparing time including storage media access and margin.  Observation 2: t-ServiceStart-r18 informs the UE when to start switching to the target satellite, whereas ssb-TimeOffset-r18 tells the UE where to find the target satellite's synchronization signal block.  Proposal 1: ssb-TimeOffset is necessary and 1s could be the baseline.  Proposal 2: For Ku-band in FR2-NTN numerology, not to change the existing terminologies: ‘VSAT UE in FR2-NTN’ and ‘FR2-NTN’ |
| [**R4-2514159**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514159.zip) | Huawei, HiSilicon | Proposal: For soft satellite switch, when SSB of the target satellite does not fall in any SMTC, the scheduling restriction is defined based on a window:  - The offset of the window is the latest subframe that is no later than the SSB of the target satellite,  - The duration of the window is the smallest number in subframe that is no smaller than the burst length of the SSB of the target satellite,  - The periodicity of the window is the periodicity of the SSB of the source satellite. |
| [**R4-2514160**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514160.zip) | Huawei, HiSilicon | The applicability of RRM requirements for VSAT UE in FR1-NTN is captured in clause 3.6. However, in clause 9 there are similar applicability specified for measurement requirements. Defining applicability for individual requirements is redundant and it cause the confusion for interpreting applicability of other individual requirements.  Remove the requirement applicability specified in clause 9 for measurement. |
| [**R4-2514347**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514347.zip) | Nokia | Proposal 1: Rephrase the requirements: “The requirements in this clause are not applicable if the network has transmitted the value of t-serviceStart-r18 and not modified since the last SI modification period that is at least [x] before t-serviceStart-r18”.  Proposal 2: The warning period shall be 0.5 seconds for the applicability of soft satellite switching requirements. |

## Open issues summary

*Before f2f meeting, moderators shall summarize list of open issues, candidate options and possible WF (if applicable) based on companies’ contributions.*

### Sub-topic 4-1: Soft satellite switching with re-sync exception limit

* Proposals:
* Proposal 1 from LG Electronics Inc. in [**R4-2513634**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip)
  + Proposal 1: Refine the exception time limit less than 1 second (e.g., 0.5 seconds).
* Change 2 from LG Electronics Inc. draft CR in [**R4-2513634**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip)
  + Refine the exception time limit related to t-ServiceStart-18 in 6.1C.3.3.3 to 0.5 seconds
* Proposals 1 from ZTE Corporation, Sanechips in [**R4-2514096**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514096.zip)
  + Proposal 1: ssb-TimeOffset is necessary and 1s could be the baseline.
* Proposal 2 from Nokia in [**R4-2514347**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514347.zip)
  + Proposal 2: The warning period shall be 0.5 seconds for the applicability of soft satellite switching requirements.
* Moderator Recommendation:
* The majority prefer 0.5 s
* Discussion required

### Sub-topic 4-2: Correction to cell definition

* Proposals:
* Change 2 from LG Electronics Inc. draft CR in [**R4-2513634**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip)
  + Change target cell to target satellite.
* Moderator Recommendation:
* Endorse change 2 in draft CR in [**R4-2513634**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip)

Endorse change 2 in draft CR in **[R4-2513634](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513634.zip)**

### Sub-topic 4-3: Correction to use of ntn-VSAT-MobilityType-r19

* Proposals:
* Draft CR from Vivo in [**R4-2513912**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)
  + Change *ntn-VSAT-AntennaType-r19 to ntn-VSAT-MobilityType-r19*
* Moderator Recommendation:
* Endorse draft CR in [**R4-2513912**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)

Endorse draft CR in **[R4-2513912](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)**

### Sub-topic 4-4: Correction to use of ntn-VSAT-MobilityType-r19

* Proposals:
* Draft CR from Vivo in [**R4-2513912**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)
  + Change *ntn-VSAT-AntennaType-r19 to ntn-VSAT-MobilityType-r19*
* Moderator Recommendation:
* Endorse draft CR in [**R4-2513912**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)

Endorse draft CR in **[R4-2513912](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2513912.zip)**

### Sub-topic 4-5: Correction to use of ntn-VSAT-MobilityType-r19

* Proposals:
* Proposal 1 from Huawei, HiSilicon in [**R4-2514096**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514096.zip)
  + Proposal 2: For Ku-band in FR2-NTN numerology, not to change the existing terminologies: ‘VSAT UE in FR2-NTN’ and ‘FR2-NTN’
* Moderator Recommendation:
* This is the status quo. Does anything need to be agreed?

No change required.

### Sub-topic 4-6: Correction to use of ntn-VSAT-MobilityType-r19

* Proposals:
* Proposal from Huawei, HiSilicon in [**R4-2514159**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514159.zip)
* Proposal: For soft satellite switch, when SSB of the target satellite does not fall in any SMTC, the scheduling restriction is defined based on a window:
  + The offset of the window is the latest subframe that is no later than the SSB of the target satellite,
  + The duration of the window is the smallest number in subframe that is no smaller than the burst length of the SSB of the target satellite,
  + The periodicity of the window is the periodicity of the SSB of the source satellite
* Moderator Recommendation:
* Discussions required

### Sub-topic 4-7: Clarificaiton of applicability of requirements

* Proposals:
* Proposal from Huawei, HiSilicon in [**R4-2514160**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514160.zip)
  + The applicability of RRM requirements for VSAT UE in FR1-NTN is captured in clause 3.6. However, in clause 9 there are similar applicability specified for measurement requirements. Defining applicability for individual requirements is redundant and it cause the confusion for interpreting applicability of other individual requirements.
  + Remove the requirement applicability specified in clause 9 for measurement.

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* Moderator Recommendation:
* Endorse the draft CR in [**R4-2514160**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514160.zip)

Endorse the draft CR in **[R4-2514160](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514160.zip)**

### Sub-topic 4-8: Requirements for NTN UEs on Satellite switching in Ku band operation

* Proposals:
* Proposal 1 from Nokia in [**R4-2514347**](https://www.3gpp.org/ftp/tsg_ran/WG4_Radio/TSGR4_116bis/Docs/R4-2514347.zip)
  + Proposal 1: Rephrase the requirements: “The requirements in this clause are not applicable if the network has transmitted the value of t-serviceStart-r18 and not modified since the last SI modification period that is at least [x] before t-serviceStart-r18”.
* Moderator Recommendation:
* Discussion required