3GPP TSG-RAN WG2 Meeting #131bis DRAFT\_R2-2507705

Prague, Czech Republic, Oct. 13th-17th

Source: Session chair (Huawei)

Title: Report from session on XR and LTE-based 5G Broadcast

## List of AT-meeting offline discussions

* [AT131bis][500][XR] Organizational – Session on XR and LTE-based 5G Broadcast (Session chair)

Scope:

* + - * Share plans and list of ongoing email discussions for the session
      * Share meeting notes and agreements for review and endorsement

# 2 General

## 2.4 Instructions

CRs

* Use latest CR template version 12.3 for all CRs submitted to RAN2 meeting

Rel-18 and earlier maintenance CRs

* Only essential/critical corrections are expected
* Editorial and clarification corrections should be sent to be reviewed and approved by spec rapporteurs prior to submission.
* Editorials corrections should be collected and submitted by spec rapporteurs.
* NOTE: the tdoc limit applies to all CRs (i.e. WI spec rapporteurs are NO longer expected to submit individual contributions). They can submit a company CR where they also include miscellaneous corrections that have been sent to them.

Rel-18 UE capabilities

- EUTRA UE capabilities corrections are covered by separate CRs

- RAN1/RAN4 NR UE capabilities (new) and corrections are covered in Rel-18 common MegaCRs (38306 and 38331) covering all rel-18 WIs (end outcome).

- UE capabilities in LPP 37355 and SLPP 38355 are covered in the main CRs for the Positioning WI.

**Rel-19 CRs**

* CR already agreed in principle but not yet officially agreed must be submitted to RAN2#131 for formal approval under in-principle agreed CRs AIs
* CR editors / Rapporteurs continue to support maintenance related to their respective CR / WI and are required to follow drafting rules
* **Single correction CR per spec** coordinated by CR editor/rapporteurs will be agreed per feature for RAN#132
* **Rapporteurs (except for RRC) should create open issue list for correction phase. See below.**
* CR editors / Rapporteurs should gather miscellaneous and non-controversial issues, if any, for their respective specification prior to submission deadline.  **Other companies are expected to give editorial inputs to the rapporteurs and not have contributions on such issues**.
* Emails to CR editors/rapporteurs should follow the following naming convention when sending emails to rapporteurs:

**[Pre\_RAN2#131bis][CR xx.yyy] Clarification CRs**

* The organizational AIs for each WIs are reserved for rapporteurs only.  CR rapporteurs are expected to submit only 1 CR per spec.
* Companies are expected to submit Tdocs with TP (not CRs).   More specifically, the Tdoc should contain description of open issues/proposal and the proposed corrections/TP in the contribution itself.   Small issues can be included in the tdoc with just short justification same level of detail as in cover sheet.
* RRC ASN.1 changes can be drafted in a NBC way until ASN.1 is frozen, to avoid unnecessary RRC overhead.   The focus should be on drafting the changes in the best possible way.
* Inter-op analysis on Rel-19 CR coverpages in NOT needed

**Open issues**

* A list of open issues for correction phase is expected to be created per CR per WI (except for RRC specification - issues will be maintained in RIL list) and shared as soon as possible.  **The list of CR open issues should be completed by Sept. 19th** from CR editors/rapporteurs.  Companies can contribute to the open issue list and input (if requested) possible resolution.
* Rapporteur and/or company identifying issue can provide proposal on how to resolve the issues
  + For each issue, rapporteurs are requested to explicitly indicate whether further contribution input on the open issue is needed. Input should be requested only for difficult to resolve issues and/or new open issues for which there wasn’t sufficient discussion time to resolve it.
  + Rapporteurs should critically consider the need for contribution on an issue.  If the issue can be resolved with a quick offline during the meeting, then the issue should be marked as to be resolved offline without contributions on that topic.
* Stage 2 corrections and UE capability corrections should be given to rapporteur directly over email discussion and no contributions are expected, unless really needed as specified by rapporteur.
* Companies should follow rapporteurs guidance (i.e. only address open issues for which the rapporteur indicates further input is needed).
* Companies should clearly indicate the open issue number they are addressing in their section and proposal, e.g. Proposal x: (RIL-1, MAC-1, etc) Agree to bla bla

**ASN.1 and Handling of RILs**

* Please review Hakan's email instructions on ASN.1 review.  Instructions are found at:  [Directory Listing /ftp/Email\_Discussions/RAN2/[Misc]/ASN1 review/Rel-19 2025-09](https://www.3gpp.org/ftp/Email_Discussions/RAN2/%5BMisc%5D/ASN1%20review/Rel-19%202025-09)
* Companies are expected to provide their TPs/Comments in the RIL Comment file and not submit contributions.   WI CR and RRC spec Rapporteurs can identify the critical RILs that require further contribution inputs.
* Single Tdoc containing 1 or more RIL resolutions per WI is expected.    Companies are highly encouraged to work offline to resolve the issues.

Rel-19 UE capabilities

- EUTRA UE capabilities are covered by separate CRs

- All NR UE capabilities will be included common Mega CRs (38306 and 38331) covering all Rel-19 WIs (end outcome).

During the work on NR UE caps:

- In a Common Rel-19 Agenda Item (AI): RAN1 and RAN4 feature corrections are handled jointly under a common AI, with some explicit exceptions. UE capabilities will be included in UE cap MegaCR directly from UE capability rapporteur

- In WI-specific Rel-19 Agenda Items: RAN2 specific UE capabilities are handled per WI and endorsed as individual CRs. Final endorsed CRs will be merged into mega CR post meeting.

Tdoc limitations

Tdoc limitations doesn’t apply to Rapporteur Input, i.e.

- Assigned summary rapporteur input of the summary.

- Email / offline discussions outcomes by discussion rapporteur,

- Limit of 1 WI/SI rapporteurs input for WI planning. The work plan is not expected to be updated/submitted every meeting, unless needed. It can include progress of other WG groups in the same Tdoc (i.e. separate Tdocs on other WG agreements are not required).

- TS rapporteur input for TS maintenance.

- Contact Company of a LSin that triggers RAN2 action may submit one tdoc to facilitate the LS reply. This only applies to one of the contact companies in case there are several (default the first).

Tdoc limitations doesn’t apply to Input created at the meeting, revisions, assigned documents etc.

Tdoc limitations doesn’t apply to shadow / mirror CRs (Cat A), or In-Principle Agreed CRs.

Tdoc limitations applies to all other submitted tdocs (e.g. discussion tdoc and CR tdoc are counted as two).

Postponed CRs still count towards tdoc limit unless 3 or more companies are co-sourcing it.

For each R19 feature, 1 additional tdoc on top of the limit is allowed for a primary co-sourcing company for co-sourced contribution with 4 or more companies (this also applies to RILs).

Tdoc request/submission for RAN2#131bis deadlines:

* Tdoc Submission deadline: Oct 3rd, 2025

# 7 NR Rel-18

## 7.0 Common

Rel-18 WIs not covered under an explicit AI in 7.x. Multi-WI Rel-18 items, e.g. cross-WI-issues not handled under another WI. UE capabilities.

### 7.0.2 Rel-18 corrections

*Essential corrections only. For smaller corrections please contact CR editor / Rapporteur directly. Coordinate with rapporteurs and chair if input above limit is required*

*Tdoc limitation: 4*

#### 7.0.2.16 XR Enhancements for NR

(NR\_XR\_enh-Core; leading WG: RAN2; REL-18; WID: RP-230786)

[R2-2507028](file:///D:\3GPP\Extracts\R2-2507028_Discussion%20on%20DSR%20triggering%20for%20Rel-18%20XR.docx) Discussion on DSR triggering for R18 XR vivo discussion Rel-18 NR\_XR\_enh-Core

Proposal 1: RAN2 to discuss which is the correct understanding on the current specification, and whether any change on MAC is needed:

- alt1: “PDCP SDUs that are buffered for the LCG but have not been transmitted in any MAC PDU” in 5.4.9 in MAC means “PDCP SDUs that are buffered for the LCG but have not been completely transmitted in any MAC PDU”. -> SDU segment could trigger DSR

- alt2: “PDCP SDUs that are buffered for the LCG but have not been transmitted in any MAC PDU” in 5.4.9 in MAC means “PDCP SDUs that are buffered for the LCG but have not been partially transmitted in any MAC PDU”. -> SDU segment cannot trigger DSR

Proposal 2: If the change on MAC is needed in P1, from which release should it start, i.e. Rel-18 or Rel-19.

[R2-2507282](file:///D:\3GPP\Extracts\R2-2507282%20Discussion%20on%20DSR%20triggering%20for%20RLC%20segment.docx) Discussion on DSR triggering for RLC segment LG Electronics Inc. discussion Rel-18 NR\_XR\_enh-Core

Proposal 1. RAN2 confirms that in Rel-18 remaining RLC segment of the PDCP SDU may trigger DSR, if the remaining PDCP discard timer value is less than RemainingTimeThreshold.

Proposal 2. Clarify “have not been transmitted in any MAC PDU” in the MAC spec to “have not been completely transmitted by MAC PDU,” in order to report the delay information of RLC segment if a PDCP SDU is partially transmitted. Use TP in Annex A as a baseline.

[R2-2507473](file:///D:\3GPP\Extracts\R2-2507473.docx) Clarification on DSR Triggering Ericsson discussion

[Observation 1 There are many examples in specification that a SDUs refers to the complete PDU while the SDU segments refer to part of the PDU data.](#_Toc210375376)

[Observation 2 An RLC SDU is a PDCP PDU and a PDCP PDU is a PDCP SDU including PDCP headers.](#_Toc210375377)

[Proposal 1 RAN2 to confirm that the transmission or reception of an RLC SDU segment is not equivalent to a transmission or reception of the said RLC SDU or the PDCP SDU.](#_Toc210375379)

[Proposal 2 RAN2 agrees that the interpretation in Proposal 1 remains in Release 18 and any remaining RLC SDU segments of a PDCP SDU can trigger a DSR.](#_Toc210375380)

# 8 NR Rel-19

## 8.7 XR Enhancements Ph3

(NR\_XR\_Ph3-Core; leading WG: RAN2; REL-19; WID: RP-250107)

Time budget: 0 TU

Tdoc Limitation: 3 tdocs

### 8.7.1 Organizational

LS, rapporteur input, open issues lists etc.

**Rapporteur CRs**

[R2-2506810](file:///D:\3GPP\Extracts\R2-2506810%20Corrections%20for%20XR%20enhancements.docx) Corrections for XR enhancements Qualcomm France CR Rel-19 38.321 18.6.0 2122 - D NR\_XR\_Ph3

[R2-2507016](file:///D:\3GPP\Extracts\R2-2507016_Miscellaneous%20corrections%20on%20RLC%20for%20R19%20XR.docx) Miscellaneous corrections on RLC for R19 XR vivo CR Rel-19 38.322 19.0.0 0066 - F NR\_XR\_Ph3-Core

[R2-2507054](file:///D:\3GPP\Extracts\R2-2507054%20Correction%20to%20RRC%20spec%20for%20R19%20XR.docx) Correction to RRC spec for R19 XR Huawei, HiSilicon CR Rel-19 38.331 19.0.0 5504 - F NR\_XR\_Ph3-Core Late

**Open issues**

[R2-2507052](file:///D:\3GPP\TSGR2\TSGR2_131bis\Docs\R2-2507052.zip) R19 XR RRC comment file Huawei, HiSilicon discussion NR\_XR\_Ph3-Core Late

[R2-2507053](file:///D:\3GPP\Extracts\R2-2507053%20XR%20RRC%20review%20file_v12_Rapp.docx) R19 XR RRC review file Huawei, HiSilicon discussion NR\_XR\_Ph3-Core Late

The following RILs are proposed as PropAgree: H200, H201, S039, S055, Z203

The following RILs are proposed as PropReject: V051, O400, S038

The following RILs are ToDo in XR WI: V050, N091

The following RIL is ToDo in general ASN.1 AI: H202

[R2-2507017](file:///D:\3GPP\Extracts\R2-2507017_List%20of%20RLC%20open%20issues%20for%20R19%20XR.docx) List of RLC open issues for R19 XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: Following open issues are suggested to be discussed based on companies’ contributions: RLC-X01, RLC-V01, RLC-N01, RLC-N02.

Proposal 2: Proponent companies are invited to provide proposals on the following issues, which Rapporteur understands there is no problem: RLC-E01, RLC-H02, RLC-S01.

Proposal 3: Following open issues are suggested to be discussed during the CR phase: RLC-H01, RLC-V02.

[R2-2507245](file:///D:\3GPP\Extracts\R2-2507245%20XR%20Stage%202%20Open%20Issues.docx) Offline 504 on XR Stage 2 Open Issues Nokia (Rapporteur) discussion Rel-19 NR\_XR\_Ph3-Core

Summary: No open issues identified and the Stage 2 can be kept as is.

[R2-2507130](file:///D:\3GPP\Extracts\R2-2507130%20PDCP%20open%20issues%20for%20XR.docx) PDCP open issues for XR LG Electronics Inc. (Rapporteur) discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1 (S001). Include “i:th” in the definition of “Non-delay-reporting PDCP SDU”.

Proposal 2 (H001). Discuss whether to change the definition of “Non-delay-reporting PDCP SDU” so that each of a non-delay-reporting PDCP SDU associated with the i:th DSR-ReportingThreshold is exclusive.

Proposal 3 (N001). Discuss whether to capture a NOTE to specify that “whether to re-send the gap report after HO can be left to UE implementation”.

*Chair suggestion: P2-P3 to be discussed based on papers*

[R2-2507430](file:///D:\3GPP\Extracts\draft%20R2-2507430%20Summary%20of%20%5bPOST131%5d%5b508%5d%5bXR%5d%20Discussion%20on%20XR%20MAC%20open%20issues.docx) Summary of [POST131][508][XR] Discussion on XR MAC open issues Qualcomm France discussion

Proposal 1. Adopt the TPs proposed in Issue A.2, B.2, C.4 and C.5.

Proposal 2. Improve the wordings for the issues raised in Issue C.3 and D.1.

Proposal 3. Discuss more on Issue D.2.

*Rapporteur suggestion: Discuss wording for D.2 offline considering TPs from Tdocs 6841, 7301, 7057, 7309*

### 8.7.2 RRC corrections

Corrections to TS 38.331 which require Tdoc submission as per RIL list.

**Simultaneous configuration of auto-ReTx and enhanced polling (V050)**

[R2-2507160](file:///D:\3GPP\Extracts\R2-2507160%20Views%20on%20RIL050%20and%20RIL051.docx) Views on RIL050 and RIL051 Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: [RIL-V050] We propose to allow configuring both thresholds (remaining time based RLC polling and remaining time based RLC retransmission) for the same RLC entity.

[R2-2507018](file:///D:\3GPP\Extracts\R2-2507018_%5bV050,%20V051%5d%20Discussion%20on%20RRC%20open%20issues%20for%20R19%20XR.docx) [V050, V051] Discussion on RRC open issues for R19 XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: [V050] Capture in the field description that the value of remainingTimeThresholdRLC-ReTx should be set lower than remaingTimeThresholdRLC-Polling.

**UL rate query as a subset of UL rate control (V051)**

[R2-2507160](file:///D:\3GPP\Extracts\R2-2507160%20Views%20on%20RIL050%20and%20RIL051.docx) Views on RIL050 and RIL051 Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 2: [RIL-V051] Specify that ul-RateQueryConfigList is the subset of ul-RateControlConfigList.

[R2-2507018](file:///D:\3GPP\Extracts\R2-2507018_%5bV050,%20V051%5d%20Discussion%20on%20RRC%20open%20issues%20for%20R19%20XR.docx) [V050, V051] Discussion on RRC open issues for R19 XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 2: [V051] Clarify in the field description that the QoS flow(s) configured in rate query should be the subset of QoS flow(s) configured for rate control.

**UAI transmission and prohibit timer for UAI (N091, S038)**

[R2-2507510](file:///D:\3GPP\Extracts\R2-2507510%20RIL%20N091%20S038%20on%20UAI%20for%20measuremeng%20gap.docx) RIL N091 and S038 on UAI for measurement gap skipping Nokia, Nokia Shanghai Bell, Huawei discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: (RIL-N091) Adopt the TP above to change the first condition to transmission of UAI for preference for a measurement gap configuration other than the UAI message itself.

Proposal 2: (RIL-S038) If the prohibit timer T346o checking is moved to the 1> level, it should be reset upon new MG configuration to avoid preventing reported preference for the newly configured MG, otherwise the specification should be left as it is.

[R2-2507629](file:///D:\3GPP\Extracts\R2-2507629%20RRC%20Corrections%20for%20XR.docx) RRC Corrections for XR Samsung discussion Rel-19 Late

Proposal 1: [N091] No specification change is considered for UAI to be sent without delay for a new configuration of gap occasion ratio.

Proposal 2: [S038] Agree to keep T346o not running check as general condition and place it in 1> bullet. (Adopt TP1)

[R2-2506840](file:///D:\3GPP\Extracts\R2-2506840%20Discussion%20on%20RRC%20for%20XR.DOCX) Discussion on RRC for XR CATT,CBN discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507300](file:///D:\3GPP\Extracts\R2-2507300_xrRRC.docx) XR RRC Corrections ZTE Corporation, Sanechips discussion

[R2-2507470](file:///D:\3GPP\Extracts\R2-2507470.docx) N091, S038 Ericsson discussion Rel-19

### 8.7.3 User plane corrections

Corrections to 38.321, 38.322 and 38.323 for all features.

**RLC-X01**

[R2-2507084](file:///D:\3GPP\Extracts\R2-2507084%20Remaining%20issues%20on%20DSR%20and%20proposed%20TP.docx) Remaining issues on DSR and proposed TP Xiaomi Communications discussion

Proposal 1. RAN2 to confirm whether the calculation of non-delay reporting data in RLC should follow RLC’s own buffer status or just follow PDCP’s indication.

Proposal 2. If the calculation of non-delay reporting data in RLC should follow RLC’s own buffer status, then PDCP only needs to indicate the delay reporting data to RLC. Thus, RLC will calculate the non-delay reporting RLC SDU based on its own buffer status.

[R2-2506841](file:///D:\3GPP\Extracts\R2-2506841%20Leftover%20Issue%20on%20User%20Plane.docx) Leftover Issue on User Plane CATT discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 2: [RLC-X1] RLC layer follows the same order as in PDCP layer for SDU handling， remove the RLC calculation of the non-delay reporting data.

**RLC-V01**

[R2-2507020](file:///D:\3GPP\Extracts\R2-2507020_Discussion%20on%20RLC%20open%20issues%20for%20R19%20XR.docx) Discussion on RLC open issues for R19 XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1 [RLC-V01] The receiving RLC entity should indicate the SN of obsolete RLC SDUs to the receiving PDCP entity when t-RxDiscard expires for HFN synchronization and avoiding packet delivery delay.

[R2-2507129](file:///D:\3GPP\Extracts\R2-2507129%20Remaining%20open%20issues%20related%20to%20RLC%20enhancements.docx) Remaining open issues related to RLC enhancements LG Electronics Inc. discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1. (RLC-V01) No need to indicate the SN of obsolete RLC SDUs to the receiving PDCP entity after t-RxDiscard expires.

**RLC-N01**

[R2-2507310](file:///D:\3GPP\Extracts\R2-2507310%20(R19%20NR%20XR%20AI873).docx) Remaining RLC open issues on avoiding unnecessary re-transmissions InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 2: Update the RX\_Next state variable description in the TS 38.322 as follows:

a) RX\_Next – Receive state variable

If *t-RxDiscard* is not configured, this state variable holds the value of the SN following the last in-sequence completely received RLC SDU. If *t-RxDiscard* is configured, this state variable holds the value of the SN following either the last in-sequence completely received RLC SDU or the last discarded AMD PDU. It serves as the lower edge of the receiving window. It is initially set to 0, and is updated whenever the AM RLC entity receives an RLC SDU with SN = RX\_Next or *t-RxDiscard* expires.

**RLC-N02**

[R2-2507159](file:///D:\3GPP\TSGR2\TSGR2_131bis\Docs\R2-2507159.zip) UP Open Issues Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 5: [RLC-N02] The NOTE in clause 5.3.3.3 is updated as below:

NOTE: If *stopRetxDiscardedSDU* is configured, when all RLC SDUs with SNs up to and including POLL\_SN are already positively acknowledged or indicated as discarded from upper layer (e.g., PDCP), the transmitting side of an AM RLC entity may stop and reset the running *t-PollRetransmit*.

[R2-2507532](file:///D:\3GPP\Extracts\R2-2507532%20User%20plane%20corrections%20for%20XR%20Enhancements%20Ph3.docx) User plane corrections for XR Enhancements Ph3 NTT DOCOMO INC.. discussion Rel-19

Proposal 3. It is no problem to stop and reset the running t-PollRetransmit even when all RLC SDUs with SNs up to and including POLL\_SN are already negatively acknowledged. There is no change of NOTE in 5.3.3.3 other than adding “If stopReTxDiscardedSDU is configured” at the beginning of the sentence

**RLC-E01**

[R2-2507471](file:///D:\3GPP\Extracts\R2-2507471.docx) RLC-E01, RLC-X01 Ericsson discussion Rel-19

Proposal 1 (RLC-E01) Allow the RLC Rx entity to receive ‘full SNs’ before triggering the t-RxDiscard timer i.e., start t-RxDiscard if RX\_Next\_Highest> RX\_Next +2.

**RLC-H02**

[R2-2507056](file:///D:\3GPP\Extracts\R2-2507056%20Discussion%20on%20remaining%20issues%20for%20RLC%20in%20R19%20XR.docx) Discussion on remaining issues for RLC for R19 XR Huawei, HiSilicon discussion NR\_XR\_Ph3-Core

Proposal1: (RLC-H02) Confirm that when t-RxDiscard expires, RX\_Next might be larger or equal than RX\_Highest\_Status. Specify the content of the RLC STATUS PDU triggered by the t-RxDiscard expiry in a separate condition.

**RLC-S01**

[R2-2507315](file:///D:\3GPP\Extracts\R2-2507315%20Discussion%20on%20open%20issues%20for%20RLC%20and%20PDCP.docx) Discussion on open issues for RLC and PDCP Samsung discussion Rel-19

[RLC-S01] Proposal 5: PDCP triggers a PDCP SN gap report when stopReTxDiscardedSDU is configured in all RLC entities and at least one byte for the discarded PDCP SDU(s) have not been submitted by any RLC entity to lower layers. (Adopt TP3)

**PDCP-H001**

[R2-2507058](file:///D:\3GPP\Extracts\R2-2507058%20Discussion%20on%20non-delay-reporting%20PDCP%20SDU%20definition.docx) Discussion on non-delay-reporting PDCP SDU definition Huawei, HiSilicon discussion NR\_XR\_Ph3-Core

Proposal 1: To align with the procedure description as in data volume calculation, the definition of non-delay-reporting PDCP SDU should be changed as “a non-delay-reporting PDCP SDU associated with the i:th *DSR-ReportingThreshold* is a PDCP SDU that will be transmitted prior to any of the delay-reporting PDCP SDUs associated with the i:th *DSR-ReportingThreshold* but after all delay-reporting PDCP SDUs associated with the i-1:th *DSR-ReportingThreshold*,and that is not a delay-reporting PDCP SDU associated with any of the k:th *DSR-ReportingThreshold* where k<=i**”**

[R2-2507279](file:///D:\3GPP\Extracts\R2-2507279%20Remaining%20open%20issues%20for%20DSR.docx) Remaining open issues for DSR LG Electronics Inc. discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 2. [PDCP-H001] Keep the current definition of delay-reporting PDCP SDU and non-delay-reporting PDCP SDU.

**PDCP-N001**

[R2-2507159](file:///D:\3GPP\TSGR2\TSGR2_131bis\Docs\R2-2507159.zip) UP Open Issues Nokia, Nokia Shanghai Bell discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: [PDCP-N001] The agreement on RLC-12 from the RAN2#131 meeting is captured in the clause 5.16.1 of the PDCP specification as follows:

NOTE: It is up to UE implementation whether to re-send a PDCP SN gap report when upper layer requests a PDCP entity re-establishment (e.g., based on a previously submitted PDCP SN gap report not having been successfully delivered before PDCP entity re-establishment).

[R2-2507315](file:///D:\3GPP\Extracts\R2-2507315%20Discussion%20on%20open%20issues%20for%20RLC%20and%20PDCP.docx) Discussion on open issues for RLC and PDCP Samsung discussion Rel-19

[PDCP N001] Proposal 7: RAN2 to not introduce a NOTE specifying re-sending the PDCP SN gap report after HO can be left to UE implementation.

**MAC – other**

[R2-2507305](file:///D:\3GPP\Extracts\R2-2507305.docx) XR user plane corrections NEC discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: Like Bj, we propose moving specification on applied priority determination out of the LCP procedure to allow greater flexibility for UE implementation.

Proposal2: for clearness and simplicity, define two MAC CE names “UL rate control recommendation” and “UL rate control Query” but share the same MAC CE format and its description.

[R2-2507632](file:///D:\3GPP\Extracts\R2-2507632%20Outstanding%20LCP%20issues%20and%20related%20TPs.docx) Outstanding LCP issues and related TPs Samsung discussion

Proposal 2. RAN2 is kindly asked to agree the following TP:

Proposal 3. RAN2 is kindly asked to agree the following TP:

[R2-2506926](file:///D:\3GPP\Extracts\R2-2506926%20Discussion%20on%20avoiding%20unnecessary%20retransmissions.docx) Discussion on avoiding unnecessary retransmissions Lenovo discussion Rel-19

[R2-2506964](file:///D:\3GPP\Extracts\R2-2506964_xr_non-delay-reporting_v2.docx) On the definition of non-delay-reporting PDCP SDU Fujitsu discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507019](file:///D:\3GPP\Extracts\R2-2507019_Discussion%20on%20MAC%20open%20issues%20on%20rate%20control%20for%20R19%20XR.doc) Discussion on MAC open issues on rate control for R19 XR vivo discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507057](file:///D:\3GPP\Extracts\R2-2507057%20Discussion%20on%20remaining%20issues%20for%20MAC%20for%20R19%20XR.docx) Discussion on remaining issues for MAC for R19 XR Huawei, HiSilicon discussion NR\_XR\_Ph3-Core

[R2-2507112](file:///D:\3GPP\Extracts\R2-2507112%20Open%20Issues%20of%20RLC%20CR%20for%20Rel-19%20XR.docx) Open Issues of RLC CR for Rel-19 XR Apple discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507192](file:///D:\3GPP\Extracts\R2-2507192%20XR%20UP%20issues.docx) Discussion on XR User Plane Open Issues Sharp discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507299](file:///D:\3GPP\Extracts\R2-2507299_xrRlcEnh.docx) XR RLC Issues ZTE Corporation, Sanechips discussion

[R2-2507301](file:///D:\3GPP\Extracts\R2-2507301_xrSchedulingEnh.docx) XR Scheduling enhancement open issues ZTE Corporation, Sanechips discussion

[R2-2507309](file:///D:\3GPP\Extracts\R2-2507309%20(R19%20NR%20XR%20AI873).docx) Remaining MAC open issues InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507311](file:///D:\3GPP\Extracts\R2-2507311%20(R19%20NR%20XR%20AI873).docx) Remaining RLC open issue on timely re-transmissions InterDigital discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507342](file:///D:\3GPP\Extracts\R2-2507342%20-%20Discussion%20on%20PDCP%20open%20issues.docx) Discussion on PDCP open issues OPPO discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507343](file:///D:\3GPP\Extracts\R2-2507343%20-%20Discussion%20on%20RLC%20open%20issues.docx) Discussion on RLC open issues OPPO discussion Rel-19 NR\_XR\_Ph3-Core

[R2-2507472](file:///D:\3GPP\Extracts\R2-2507472.docx) H001, N001 Ericsson discussion Rel-19

[R2-2507516](file:///D:\3GPP\Extracts\R2-2507516.docx) Discussion on open issues of XR RLC AM enhancements Xiaomi discussion Rel-19 NR\_XR\_Ph3-Core

Withdrawn

[R2-2506931](file:///D:\3GPP\Extracts\R2-2506931%20Discussion%20on%20remaining%20issues%20for%20RLC.docx) Discussion on remaining issues for RLC Huawei, HiSilicon discussion Rel-19 NR\_XR\_Ph3-Core Withdrawn

### 8.7.4 Other corrections

Including corrections to stage-2, UE capabilities etc.

[R2-2506842](file:///D:\3GPP\Extracts\R2-2506842%20Discussion%20on%20UE%20Capabilities%20for%20XR.DOCX) Discussion on UE Capabilities for XR CATT discussion Rel-19 NR\_XR\_Ph3-Core

Proposal 1: Use reporting threshold(s) instead of multiple reporting thresholds to describe UE capability delayStatusReportNonDelayReportingData and multipleEntryDelayStatusReport.

## 8.18 LTE-based 5G Broadcast

(LTE\_terr\_bcast\_Ph2; leading WG: RAN1; REL-19; WID RP-250794)

Time budget: 0 TU

Tdoc Limitation: 1 tdoc

### 8.18.1 Organizational

Incoming LS, rapporteur input etc.

R2-2507467 WI TerrBcast ASN.1 comments file Qualcomm Incorporated discussion Rel-19 LTE\_terr\_bcast\_Ph2-Core Late

R2-2507468 WI TerrBcast ASN.1 review file Qualcomm Incorporated discussion Rel-19 LTE\_terr\_bcast\_Ph2-Core Late

R2-2507469 Corrections to LTE-based 5G Broadcast Phase 2 after ASN.1 review Qualcomm Incorporated CR Rel-19 36.331 19.0.0 5168 - F LTE\_terr\_bcast\_Ph2-Core Late

### 8.18.2 RRC corrections

Corrections to TS 36.331 which require Tdoc submission as per RIL list.

[R2-2507581](file:///D:\3GPP\Extracts\R2-2507581%20RRC%20corrections%20on%20LTE-based%205G%20Broadcast.docx) RRC corrections on LTE-based 5G Broadcast Samsung discussion Rel-19 Late

### 8.18.3 Other corrections

Corrections to other specifications including 36.321 and UE capabilities

[R2-2507339](file:///D:\3GPP\Extracts\R2-2507339%20Consideration%20on%20cyclic%20shift%20for%20PMCH.docx) Consideration on cyclic shift for PMCH Samsung discussion Rel-19

## 8.19 TEI19

Time budget: 1 TU

Tdoc Limitation: 1 tdoc for new proposals and 1 tdoc for old proposals for RAN2-led.

1 additional tdoc for primary co-sourcing company on top of the limit is allowed for co-sourced contribution with 4 or more companies.

Companies are encouraged to submit co-sourced contributions, which will have priority for discussion in RAN2#130

### 8.19.2 Other WG-led

[R2-2507139](file:///D:\3GPP\Extracts\R2-2507139%20Rapporteur%20correction%20on%20CAS%20muting%20for%20LTE%20based%205G%20broadcast%20%5b5GB_CASMuting%5d.docx) Rapporteur correction on CAS muting for LTE based 5G broadcast [5GB\_CASMuting] Huawei, HiSilicon, Samsung CR Rel-19 36.331 19.0.0 5162 - F TEI19 Revised

[R2-2507237](file:///D:\3GPP\Extracts\R2-2507237%20CAS%20Muting%20in%20stage%202%20spec%20%5b5GB_CASMuting%5d.docx) 5G Broadcast CAS Muting in stage 2 spec [5GB\_CASMuting] ZTE Corporation, Sanechips, Samsung, Huawei CR Rel-19 36.300 19.0.0 1436 - F TEI19

[R2-2507263](file:///D:\3GPP\Extracts\R2-2507263%20Rapporteur%20correction%20on%20CAS%20muting%20for%20LTE%20based%205G%20broadcast%20%5b5GB_CASMuting%5d.docx) Rapporteur correction on CAS muting for LTE based 5G broadcast [5GB\_CASMuting] Huawei, HiSilicon, Samsung CR Rel-19 36.331 19.0.0 5162 1 F TEI19 [R2-2507139](file:///D:\3GPP\Extracts\R2-2507139%20Rapporteur%20correction%20on%20CAS%20muting%20for%20LTE%20based%205G%20broadcast%20%5b5GB_CASMuting%5d.docx)