3GPP TSG-RAN WG2 Meeting #123 R2-2308969

Toulouse, France, August 21-25, 2023

**Source: Session Chair (Apple)**

**Title: Report from NC Repeater breakout session**

**Status of At-Meeting Email Discussions**

*This subclause is not an Agenda Item. It contains a running summary of the email discussions assigned to take place during the meeting weeks. This section will be moved to an appendix in the final version of the report.*

**[AT123][700][NCR] Organisational Sasha – NCR (Apple)**

Scope: Organisational discussions and announcements, as needed throughout the meeting weeks

Intended outcome: Well-informed participants

**[AT123][701][NCR] RRC corrections (ZTE)**

Scope: rapporteur’s and other RRC corrections from tdocs: R2-2307688, R2-2308069, R2-2308895, R2-2308911

Intended outcome: revised 38.331 CR for endorsement in R2-2309051

**[AT123][702][NCR] MAC corrections (Samsung)**

Scope: rapporteur’s and other MAC corrections from tdocs: R2-2308095

Intended outcome: revised 38.321 CR for endorsement in R2-2309052

**[AT123][703][NCR] Stage-2 corrections (NEC)**

Scope: proposal 1 from R2-2307469 and R2-2308910

Intended outcome: 38.300 CR for endorsement in R2-2309053

## 7.1 NR network-controlled repeaters

(NR\_NetConRepeater; leading WG: RAN1; REL-18; WID: RP-230175)

Time budget: 0 TU

Tdoc Limitation: 1 tdocs

Corrections. For smaller corrections please contact CR editor / Rapporteur directly.

R2-2307469 Missing agreement and clarifications of in-band network-controlled repeater NEC discussion Rel-18 NR\_netcon\_repeater

Proposal 1 RAN2 agree to adopt the above TP to capture the missing agreement in the draft TS38.300 CR.

E///: support the proposal, it was removed by mistake; some rewording may be needed by the intention is OK. Intel agree.

Samsung: that agreement was taken very early and may not be correct anymore

HW: this is not essential.

* The intention is agreeable, need to work on the wording offline; will be handled as part of a separate stage-2 email discussion.

Proposal 2 RAN2 agree to adopt the above TP for draft TS38.331 to clarify in-band NCR support in Rel-18.

Intel: this is not essential

HW: we support this, but it may be better captured in 38.304

ZTE: the intention is correct but the modification is not needed; can be handled by implementation – if NCR-forward does not support the band NCR-MT wouldn’t camp on it. QCOM agrees, we don’t discuss NCR internal signalling as we don’t have an official interface.

NEC: OK to capture the understanding in the meeting minutes

E///: this is not needed

Samsung: the proposal seems to imply that NCR-Forward and NCR-MT support different bands but we haven’t discussed it.

Nokia: NCR MT and Forward are not entirely decoupled

* P2 is not pursued.

*All the tdocs below will be treated as part of a corresponding AT-meeting email dicussion.*

R2-2307500 Correction on 38.304 on NCR Huawei, HiSilicon CR Rel-18 38.304 17.5.0 0350 - F NR\_netcon\_repeater Withdrawn

R2-2307688 Miscellaneous Corrections to NCR RRC Running CR vivo draftCR Rel-18 38.331 17.5.0 NR\_netcon\_repeater

R2-2308069 Introducing support for Network Controlled Repeaters to 38.331 ZTE Corporation (Rapporteur) CR Rel-18 38.331 17.5.0 4162 2 B NR\_netcon\_repeater R2-2306609

R2-2308095 Introducing support for Network Controlled Repeaters to 38.321 Samsung CR Rel-18 38.321 17.5.0 1554 6 B NR\_netcon\_repeater-Core R2-2306608

R2-2308895 RRC corrections for NCR related to security Samsung Electronics Czech draftCR Rel-18 36.331 17.5.0 C NR\_netcon\_repeater

R2-2308910 Small corrections for NCR Ericsson CR Rel-18 38.300 17.5.0 0685 1 B NR\_netcon\_repeater R2-2306606

R2-2308911 Correction on periodicity for NCR beam configuration Ericsson draftCR Rel-18 38.331 17.5.0 F NR\_netcon\_repeater

## Summary

### **Agreed Documents**

R2-2309051 Introducing support for Network Controlled Repeaters to 38.331 ZTE Corporation

* Endorsed

R2-2309052 Introducing support for Network Controlled Repeaters to 38.321 Samsung

* Endorsed

R2-2309053 Introducing support for Network-Controlled Repeaters to 38.300 Ericsson

* Endorsed

### **Post-meeting email discussions**