3GPP TSG-RAN WG2 Meeting #119 electronic R2-2xxxxxx

Online, August, 2022

Source: RAN2 Chairman (MediaTek)

Title: Agenda

# AT-Meeting Email / Offline Discussion List, Main Session

Discussions with Deadline **Schedule 1**:

A **first round** with **Deadline for comments W1 Friday Aug 19th 1400 UTC** to settle scope what is agreeable etc

A Final round with **Final deadline W2 Thursday Aug 25th 1200 UTC** to settle details / agree CRs etc.

For all discussions: Additional deadlines check points etc if needed are defined by the Rapporteur of each discussion respectively. In case some parts of an email discussion need more time, doesn’t converge, need on-line treatment, then please contact the chair.

* [AT119-e][000] Organizational Main (Chair)

Scope: Opening and closing of the meeting, Treat AIs 1 & 2, LSes that do not need actions. Anything going beyond other discussions can be raised, for the meeting or Main session.

Deadline: EOM

Discussions [001] – [005] were used for Pre-discussions.

* [AT119-e][006][NR1516] Stage-2 Corrections (OPPO)

Scope: Treat [R2-2208190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208190.zip), [R2-2208191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208191.zip), [R2-2208192](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208192.zip), [R2-2207131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207131.zip), [R2-2207134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207134.zip), [R2-2207879](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207879.zip), [R2-2207735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207735.zip), [R2-2208414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208414.zip), [R2-2208418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208418.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT119-e][007][NR1516] RRC Conn Control I (Nokia)

Scope: Treat [R2-2208270](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208270.zip), [R2-2208271](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208271.zip), [R2-2207258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207258.zip), [R2-2207259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207259.zip), [R2-2207260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207260.zip), [R2-2207263](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207263.zip), [R2-2207264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207264.zip), [R2-2207265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207265.zip), [R2-2207266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207266.zip), [R2-2207942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207942.zip), [R2-2206918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206918.zip), [R2-2207550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207550.zip), [R2-2207551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207551.zip), [R2-2207552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207552.zip), [R2-2207553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207553.zip), [R2-2207603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207603.zip), [R2-2207604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207604.zip), [R2-2207605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207605.zip), [R2-2207606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207606.zip), [R2-2207139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207139.zip), [R2-2207140](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207140.zip), [R2-2207142](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207142.zip), [R2-2207143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207143.zip), Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][008][NR1516] RRC Conn Control II (ZTE)

Scope: Treat [R2-2208474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208474.zip), [R2-2208476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208476.zip), [R2-2208553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208553.zip), [R2-2208550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208550.zip), [R2-2208551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208551.zip), [R2-2208552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208552.zip), [R2-2208579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208579.zip), [R2-2208580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208580.zip), [R2-2208581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208581.zip), [R2-2207400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207400.zip), [R2-2207401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207401.zip), [R2-2208402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208402.zip), [R2-2208403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208403.zip), [R2-2208691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208691.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][009][NR1516] RRC Conn Control III (Huawei)

Scope: Treat [R2-2206930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206930.zip), [R2-2207502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207502.zip), [R2-2207503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207503.zip), [R2-2207504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207504.zip), [R2-2207158](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207158.zip), [R2-2207159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207159.zip), [R2-2207160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207160.zip), [R2-2207157](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207157.zip), [R2-2208905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208905.zip), [R2-2208058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208058.zip), [R2-2208059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208059.zip), [R2-2208473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208473.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][010][NR1516] RRC Other (vivo)

Scope: Treat [R2-2207547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207547.zip), [R2-2207548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207548.zip), [R2-2207549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207549.zip), [R2-2208265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208265.zip), [R2-2207611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207611.zip), [R2-2207612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207612.zip), [R2-2208337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208337.zip), [R2-2208338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208338.zip), [R2-2207257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207257.zip), [R2-2207615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207615.zip), [R2-2207616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207616.zip), [R2-2207617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207617.zip), [R2-2207618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207618.zip), [R2-2207560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207560.zip), [R2-2207568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207568.zip), [R2-2207574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207574.zip), [R2-2208346](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208346.zip), [R2-2208347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208347.zip), [R2-2208348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208348.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][011][NR1516] RRC LTE Overheating Misc and Idle (Ericsson)

Scope: Treat [R2-2208202](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208202.zip), [R2-2208203](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208203.zip), [R2-2207575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207575.zip), [R2-2207576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207576.zip), [R2-2207577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207577.zip), [R2-2208207](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208207.zip), [R2-2208208](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208208.zip), [R2-2207357](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207357.zip), [R2-2207358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207358.zip), [R2-2208209](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208209.zip), [R2-2208210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208210.zip), [R2-2208211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208211.zip), R2-2208140, [R2-2207540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207540.zip), [R2-2207558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207558.zip), [R2-2207559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207559.zip) Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][012][NR1516] UE capabilities (MediaTek)

Scope: Treat [R2-2206911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206911.zip), [R2-2208501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208501.zip), [R2-2208502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208502.zip), [R2-2208503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208503.zip), [R2-2208504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208504.zip), [R2-2207640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207640.zip), [R2-2207641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207641.zip), [R2-2207049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207049.zip), [R2-2207085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207085.zip), [R2-2207086](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207086.zip), [R2-2207094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207094.zip), [R2-2207095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207095.zip), [R2-2207113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207113.zip), [R2-2207114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207114.zip), [R2-2208027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208027.zip), [R2-2208028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208028.zip), [R2-2207331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207331.zip), [R2-2207332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207332.zip), [R2-2208505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208505.zip), [R2-2208506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208506.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][013][NR17] RRC I (Ericsson)

Scope: Treat [R2-2207776](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207776.zip), [R2-2208654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208654.zip), [R2-2207267](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207267.zip), [R2-2207002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207002.zip), [R2-2207006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207006.zip), [R2-2207013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207013.zip), [R2-2208141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208141.zip) (if available), and [R2-2208133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208133.zip) (MINT in [6.24.3])

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

* [AT119-e][014][NR17] UE caps Main (Intel)

Scope: Treat [R2-2206957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206957.zip), [R2-2206971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206971.zip), [R2-2207276](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207276.zip), [R2-2207277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207277.zip), [R2-2207962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207962.zip), [R2-2207849](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207849.zip), [R2-2207971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207971.zip), [R2-2207972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207972.zip), [R2-2208507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208507.zip), [R2-2208508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208508.zip), [R2-2208509](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208509.zip). Take into account ALL relevant incoming LSes. Determine agreeable parts and capture in CRs. Merge WI specific R17 UE caps draft CRs, endorsed in the Wi specific sessions.

Intended outcome: Report, UE caps Mega CRs (agreed in the end), LS out if applicable

Deadlines: Acc to Rapporteur. Online CB if needed. If needed, additional optional session W3 can be used.

* [AT119-e][015][NR17] Gap Coordination (MediaTek)

Scope: Take online agreement into account, determine where to capture, and reflect this in a CR. Treat remaining tdoc/proposals, if anything agreeable, reflect in CR

Intended outcome: Report, Agreed CR(s)

Deadline: EOM (offline only, if possible)

* [AT119-e][016][IAB17] Stage-2 (vivo)

Scope: Treat [R2-2207784](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207784.zip), [R2-2208463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208463.zip), [R2-2208604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208604.zip), [R2-2208643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208643.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs,

Deadline: Schedule 1

* [AT119-e][017][IAB17] Control Plane (Ericsson)

Scope: Treat [R2-2206929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206929.zip), [R2-2206935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206935.zip), [R2-2207190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207190.zip), [R2-2207783](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207783.zip), [R2-2208642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208642.zip), [R2-2208101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208101.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, Reply LS if applicable

Deadline: Schedule 1

* [AT119-e][018][IAB17] MAC (Samsung)

Scope: Await online, Take into account online progress. Treat remaining parts R2-2208907, [R2-2207188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207188.zip), [R2-2207625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207625.zip), [R2-2207782](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207782.zip), [R2-2208100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208100.zip), [R2-2208102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208102.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT119-e][019][IAB17] BAP (Huawei)

Scope: Treat [R2-2207701](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207701.zip), [R2-2207189](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207189.zip), [R2-2207402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207402.zip)

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT119-e][020][NR17] TEI Corrections (vivo)

Scope: Treat [R2-2207607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207607.zip), [R2-2207608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207608.zip), [R2-2207609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207609.zip), [R2-2207610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207610.zip), [R2-2207529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207529.zip), [R2-2208372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208372.zip). Determine agreeable parts. For Agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT119-e][021][UDC] UDC corrections (Samsung)

Scope: Treat [R2-2207940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207940.zip), [R2-2208205](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208205.zip), [R2-2208587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208587.zip). Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any)

Deadline: Schedule 1

* [AT119-e][022][NR17] DC Location Report (vivo)

Scope: Treat [R2-2206951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206951.zip), [R2-2207613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207613.zip), [R2-2207135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207135.zip), [R2-2207136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207136.zip), [R2-2207138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207138.zip), [R2-2207614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207614.zip), [R2-2208370](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208370.zip), [R2-2208371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208371.zip), Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any), LS out (if applicable)

Deadline: Schedule 1

* [AT119-e][023][NR17] FR2 BW classes (Nokia)

Scope: Treat [R2-2208510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208510.zip), [R2-2208511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208511.zip), [R2-2207974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207974.zip), [R2-2207975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207975.zip), [R2-2207973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207973.zip),

Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any), LS out (if applicable)

Deadline: Schedule 1

* [AT119-e][024][NR18] FS\_REDCAP\_Ph2 option feasibility (Ericsson)

Scope: Treat [R2-2206967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206967.zip), [R2-2208568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208568.zip), [R2-2207623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207623.zip). Identify the points that require RAN2 reply, and identify agreeable or possible/tentative replies. Pave the way for online agreements.

Intended outcome: Report, Draft LS out.

Deadline: Ready for online CB W2 Friday

* [AT119-e][025][NR18] Protection of SI (Samsung)

Scope: Ph1: Treat R2-2206976, R2-2207028, R2-2208460, R2-2208482, R2-2208625, Collect Comments, determine possible agreements and discussion points, progress the LS accordingly

Ph2: Take into account online progress, agree reply LS out.

Intended outcome: Ph1 Report, Draft LS out. Ph2 Approved LS

Deadline: Ph2 EOM (offline only)

* [AT119-e][026][NR18] UL Tx Switching (NTT Docomo)

Scope: This is an initial discussion. It may be difficult to make firm agreements, but it may be possible to converge on initial assumptions, possibilities on the table. Take into account [R2-2208327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208327.zip), [R2-2208324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208324.zip), [R2-2208107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208107.zip), [R2-2208481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208481.zip), Identify on a high level the main RAN2 impacts for the UL Tx switching schemes across up to 3 or 4 bands. Identify discussion points for future meetings, including UE capability and RRC configuration related signaling (Note: strive for RAN1/2 design agnostic with the number of bands, i.e., common design between 3 and 4 bands).

Intended outcome: Report

Deadline: Ready for online CB W2 Tuesday

CLOSED

* [AT119-e][027][NPN] NPN corrections (ZTE)

Scope: Treat [R2-2207163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207163.zip), [R2-2207501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207501.zip), [R2-2208624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208624.zip). Determine agreeable parts. For agreeable parts, agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

Added Wed W1

* [AT119-e][001][feMIMO] MAC centric (Samsung)

Scope: 1) Based on online progress and discussion, continue identify agreeable parts (include   
2) MAC CR capturing agreements and agreeable parts.

Intended outcome: Report, RRC CR

Deadline deadlines set by rapporteur. CB possibilities W2 tue, wed, fri

* [AT119-e][002][feMIMO] RRC centric (Ericsson)

Scope: 1) Based on online progress and discussion, continue identify agreeable parts.   
2) LS out to RAN1, 3) RRC CR capturing agreements and agreeable parts.

Intended outcome: LS out, Report, RRC CR

Deadline: LS out; can do interactive discussion asap, other deadlines set by rapporteur. CB possibilities W2 tue, wed, fri

* [AT119-e][003][ePowSav] RLM/BFD relaxation (vivo)

Scope: Based on online progress and discussion, continue identify agreeable parts and impacts.

Intended outcome: Report (with agreements), offline if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

* [AT119-e][004][ePowSav] Subgrouping/PEI (MediaTek)

Scope: Based on online progress, discussion, R2-2208909 and referenced input, continue identify agreeable parts and impacts. No Need to include Stage-2 etc.

Intended outcome: Report (with agreements), offline if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

* [AT119-e][028][ePowSav] PDCCH Skip (Ericsson)

Scope: Treat R2-2208090, Determine agreeable parts. Capture agreeable part in MAC CR.

Can do one more round of treatment for R2-2208089, identify critical arguments if any, prepare for CB.

Intended outcome: Report, Agreed MAC CR

Deadline: In time for online CB W2 Thu if required otherwise EOM

* [AT119-e][029][ePowSav] Stage-2 38300 (Huawei)

Scope: Treat R2-2207070, R2-2208015, R2-2208227, R2-2207745. Determine agreeable parts, reflects agreeable parts in a CR.

Intended outcome: Report, Agreed CR 38300, offline only if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

Added Thu W1

* [AT119-e][030][NR17] FR2 UL Gap MAC CR (Apple)

Scope: Treat R2-2206959, R2-2208931

Intended outcome: Brief Report, Agreed CR (if possible).

Deadline: EOM

* [AT119-e][031][IAB18] (Qualcomm)

Scope: Based on the input/proposals to this meeting, the WID, and the online discussion, the rapporteur is asked to carefully select a limited number of points / sub-topics that are interesting from R2 point of view Can discuss: whether there is a possible way forward, an issue that need to be resolved etc. If applicable can also identify points to ask other group(s) in an LS out.

Intended outcome: Report, identifying, possible agreements/ways forward, issues that need to be resolved, points to be excluded, with <= **5** proposals.

Deadline: In time for short CB W2 Friday

* [AT119-e][032][NR1516] n77 (Ericsson)

Scope: Take into account online progress. Determine where and how to capture the online agreement. Treat also remaining papers on n77: R2-2208163, R2-2208264, R2-0227262, and determine agreeable parts, For agreeable parts and agreements, capture in CRs.

Intended outcome: Report, Agreed CRs (LS out if desired)

Deadline: EOM (offline only, if possible)

* [AT119-e][033][MGE] (MediaTek)

Scope: Treat R2-2206940, R2-2208471, R2-2207146, R2-2208464, R2-2208562, R2-2208106, R2-2207895. Determine agreeable parts, for agreeable parts, capture in CR(s)

Intended outcome: Report, Agreed CR (s), LS out if applicable

Deadline: EOM (offline only, if possible)

* [AT119-e][034][NR17] 2TX-2TX UL switching UE caps (Qualcomm)

Scope: Based on online agreements, revise and agree CRs.

Intended outcome: Agreed CRs (report if needed)

Deadline: EOM (offline only if possible).

Modified: **[015], [025]** see above

Added Mon W2

* [AT119-e][035][NR17] 38300 Miscellaneous Corrections (Nokia)

Scope: Rapporteur Miscellaneous Corrections CR for Rel-17

Intended outcome: Agreed CR

Deadline: EOM (offline only, if possible)

* [Post119-e][036][feMob] Agreements, time chart, LS out (MediaTek)

Scope: Capture WI agreements, Capture a mobility timing chart for L1L2 mobility, as a reference - include all pieces of procedures that may be optimized impacted FFS etc (acc to current agreements). LS out to RAN1 and RAN3 on the RAN2 progress, and ask to take into account.

Intended outcome: Endorsed Report or Stage-2 CR with appendix etc, Approved LS out

Deadline: Short (Can start before the meeting has ended).

Added Tue W2

* [AT119-e][037][NRTEI17] Emergency Service Enhancement (Huawei)

Scope: Continue discussion on R2-2208617, Determine agreeable parts. For agreeable parts work on a CR.

Intended outcome: Report with agreements, Agreed CR (can also be done as short Post discussion).

Deadline: EOM (offline only if possible)

Modified: **[025]** see above

Added Wed W2

* [AT119-e][038][NRTEI17] Comments on New proposals (Chair)

Scope: Collect a round of comments on the new TEI proposals in R2-2208241, R2-2207434, R2-2208430, R2-2208668, R2-2207938 in order to determine if any of these could be agreeable.

Intended outcome: Report for CB W2 Friday

Deadline: W2 Thursday 1800 UTC

# 1 Opening of the meeting

**This e-Meeting**

- This e-Meeting follows 3GPP principles for e-Meetings.

- RAN2 119 electronic has full decision power, i.e. full decision power to make agreements and approvals according to RAN WG2 terms of reference, without any need to ratify decisions at a later RAN2 or other meeting.

## 1.1 Call for IPR

|  |
| --- |
| The attention of the delegates of this Working Group is drawn to the fact that **3GPP Individual Members have the obligation** under the IPR Policies of their respective Organizational Partners **to inform their respective Organizational Partners of Essential IPRs** they become aware of.  The delegates were asked to take note that they were hereby invited:   * to investigate whether their organization or any other organization owns IPRs which were, or were likely to become Essential in respect of the work of 3GPP. * to notify their respective Organizational Partners of all potential IPRs, e.g., for ETSI, by means of the IPR Statement and the Licensing declaration forms (https://www.etsi.org/images/files/IPR/etsi-ipr-form.doc) |

NOTE: IPRs may be declared to the Director-General or Chairman of the SDO, but not to the RAN WG2 Chairman.

## 1.2 Network usage conditions

1/ To avoid email system overload, please don’t attach files and documents to emails e.g. for offline email discussions, but instead use files placed on the ftp server instead. Inbox/Drafts folder is used for AT-meeting offline discussions.

## 1.3 Other

|  |
| --- |
| In accordance with the Working Procedures it is reaffirmed that:  (i) compliance with all applicable antitrust and competition laws is required;  (ii) timely submissions of work items in advance of TSG or WG meetings are important to allow for full and fair consideration of such matters; and  (iii) the chairman will conduct the meeting with strict impartiality and in the interests of 3GPP |

Note on (i): In case of question please contact your legal counsel.

Note on (ii): WIDs don’t need to be submitted to the RAN2 meeting and will typically not be discussed here either.

# 2 General

## 2.1 Approval of the agenda

[R2-2206900](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206900.zip) Agenda for RAN2#119-e Chairman agenda Late

[000] Proposed approved

## 2.2 Approval of the report of the previous meeting

[R2-2206901](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206901.zip) RAN2#118-e Meeting Report MCC report Late

[000] Proposed approved

## 2.3 Reporting from other meetings

## 2.4 Instructions

Tdoc limitations (reminder)

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

- Assigned summary rapporteur input of the summary.

- Email / offline discussions outcomes by discussion rapporteur,

- WI rapporteurs input for WI planning etc,

- TS rapporteur input for TS maintenance

- Assigned Editor of Running CRs input to update the running CR and input of one tdoc to facilitate addressing of CR open issues.

- 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).

Tdoc limitations applies to all other submitted tdocs.

Rel-18

For R2 119-e, no offline decision making for Rel-18, only online decisions. Any exception to this must be pre-agreed.

Rel-17 CR

General, all correction CRs / draft CRs:

1. Rapporteurs of Rel-17 WI CRs are asked to continue their volunteer responsibility, even if the WI is closed, at least for the durations of R2 119-e (later meetings TBD).
2. Unless otherwise explicitly agreed/indicated, max one Cat F CR per TS per WI shall be produced as outcome of the meeting. Exception: NBC aspects, if any, may need to be in a separate CR per WI (decided case by case). Note that Impact analysis is required per CR.
3. For smaller / editorial corrections, Companies are asked to coordinate directly with Rapporteurs of Rel-17 WI CRs, rather than submitting separate correction tdocs.
4. General: Please refer to TS contents, in order to illustrate issues and wanted corrections. Proposals that are vague and unspecific may be deprioritized / not treated.

Rel-17 UE capabilities

For R2 119-e, the intention is to finalize UE capabilities for Rel-17

There is no specific coordination for EUTRA UE capabilities.

For NR UE capabilities the following applies:

1: As previously, work on mega CRs (one mega CR for TS 38.306 and one for TS 38.331). This work is done under Agenda Item AI 6.0.2

2: Coordinate centrally incorporation in CRs of RAN1 / RAN4 features for all Rel17 WIs. This work is done under Agenda Item AI 6.0.2 and changes are done directly to the mega CRs. There could be exceptions, case by case, where RAN1 / RAN4 features are treated under a WI-specific Agenda Item instead.

3: RAN2 should only implement in the CRs the features / feature groups from the RAN1 and RAN4 feature list without any FFS that impacts ASN.1 (no highlighted yellow, [] and/or marked as FFS/TBD). Also UE Capabilities that are dependent on such FFS features should not be implemented.

4: R2 Features and capabilities developed only in R2, are developed and corrected individually per WI, under WI-specific Agenda Items. Draft CRs (running CRs) for 38.331 and 38.306 are produced. The 306 CRs shall include an annex containing the RAN2 determined UE capabilities in the feature list format (similar to annex containing RAN2 agreements) for easy compilation into the TR38.822 in the later stage.

1. At the end of R2 119-e, endorsed WI specific UE capability CRs will be merged into the mega CRs, and the mega CRs will be provided to TSG RAN. Any exception to this need to be decided case by case.

[000] Proposed that the posted instructions are Noted

[R2-2206902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206902.zip) RAN2 Handbook 08-22 MCC discussion Late

[000] Proposed Noted

## 2.5 Others

[R2-2208700](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208700.zip) LS On UE capability signalling for IoT-NTN Nokia LS out Rel-17 LTE\_NBIOT\_eMTC\_NTN To:SA2 Cc:CT1 Late.

Moved here, this LS belongs to previous RAN2 meeting, and was not approved by mistake.

* Qc think we should CC R3
* There is also an error in the dates for next meeting
* With these modifications the LS out is approved, final version in R2-2208928 (MCC to make modifications)

# 3 Incoming liaisons

Note: LSs are moved to the respective agenda items if any.

[R2-2206970](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206970.zip) LS on Priority given to Rel-17 LSs from CT (CP-221319; contact: Orange) CT1 LS in Rel-17 To:SA2, SA4, RAN2 Cc:SA, RAN

- [000] Chair Comment: LS replies has had high priority for the whole RAN2 119-e.

[000] Proposed Noted

# 4 EUTRA Rel-16 and earlier

Only essential corrections. No documents should be submitted to 4. Please submit to 4.x

## 4.1 NB-IoT and eMTC corrections Rel-16 and earlier

(NB\_IOTenh3-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: RP-200293); REL-15 and Earlier NB-IoT WIs are in scope but not listed explicitly (long list).

(LTE\_eMTC5-Core; LTE\_eMTC5-Core; leading WG: RAN1; REL-16; started: Jun 18; Completed: June 20; WID: RP192875;), REL-15 and Earlier eMTC WIs are in scope but not listed explicitly (long list).

[R2-2207312](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207312.zip) Clarification on schedulingInfoList for in NB-IoT MediaTek Inc. CR Rel-17 36.331 17.1.0 4837 - A LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207313.zip) Clarification on schedulingInfoList for in NB-IoT MediaTek Inc. CR Rel-16 36.331 16.9.0 4838 - A LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207314.zip) Clarification on schedulingInfoList for in NB-IoT MediaTek Inc. CR Rel-15 36.331 15.18.0 4839 - A LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2208594](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208594.zip) 36331\_(R16)\_Clarification on SPS deactivation upon carrier reconfiguration ZTE Corporation, Sanechips CR Rel-16 36.331 16.9.0 4864 - F NB\_IOTenh3-Core

[R2-2208595](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208595.zip) 36331\_(R17)\_Clarification on SPS deactivation upon carrier reconfiguration ZTE Corporation, Sanechips CR Rel-17 36.331 17.1.0 4865 - A NB\_IOTenh3-Core

## 4.2 V2X and Side-link corrections Rel-15 and earlier

REL-15 and Earlier WIs are in scope but not listed explicitly (long list).

## 4.3 Positioning corrections Rel-16 and earlier

(LTE\_NavIC-Core, LTE TEI16 Positioning), REL-15 and Earlier WIs are in scope but not listed explicitly (long list).

Documents in this agenda item will be handled by email. No web conference is planned for this agenda item.

## 4.4 Other LTE corrections Rel-16 and earlier

(LTE\_feMob-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed: June 20; WID: RP-190921)

(LTE\_terr\_bcast-Core, LTE\_DL\_MIMO\_EE-Core, LTE\_high\_speed\_enh2-Core; LTE TEI16 Non-positioning)

(Documents relating to Rel-16 LTE but for which there is no existing RAN WI/SI, e.g. LSs from CT/SA requesting RAN2 action)

Including TEI16, TEI15 etc corrections and issues that do not fit under any other topic.

For LTE mobility enhancements, only corrections that are LTE-specific should be submitted to this AI. Corrections that impact or are common with NR mobility enhancements should be submitted to 5.1.X instead.

[R2-2207023](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207023.zip) Correction on SCG failure information procedure ITRI CR Rel-15 36.331 15.18.0 4830 - F NR\_newRAT-Core

[R2-2207024](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207024.zip) Correction on SCG failure information procedure ITRI CR Rel-16 36.331 16.9.0 4829 - A NR\_newRAT-Core

[R2-2207025](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207025.zip) Correction on SCG failure information procedure ITRI CR Rel-17 36.331 17.1.0 4828 - A NR\_newRAT-Core

[R2-2207391](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207391.zip) Corrections on CHO recovery CATT CR Rel-16 36.331 16.9.0 4845 - F LTE\_feMob-Core

[R2-2207392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207392.zip) Corrections on CHO recovery CATT CR Rel-17 36.331 17.1.0 4846 - A LTE\_feMob-Core

[R2-2208531](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208531.zip) Miscellaneous changes collected by Rapporteur Samsung CR Rel-15 36.331 15.18.0 4860 - F NR\_newRAT-Core

[R2-2208532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208532.zip) Miscellaneous changes collected by Rapporteur Samsung CR Rel-16 36.331 16.9.0 4861 - F NR\_newRAT-Core

[R2-2208533](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208533.zip) Miscellaneous changes collected by Rapporteur Samsung CR Rel-17 36.331 17.1.0 4862 - A NR\_newRAT-Core

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 11 tdocs in total for all sub agenda items.

## 5.1 Common

Includes the following WIs and input that doesn’t fit elsewhere.

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: RP-191971)

(NR\_IAB-Core; leading WG: RAN2; REL-16; started: Dec 18; target Aug 20; WID: RP-200840)

(NR\_unlic-Core; leading WG: RAN1; REL-16; started: Dec 18; Closed June 20; WID: RP-192926).

(NR\_IIOT-Core; leading WG: RAN2; REL-16; started: Mar 19; Completed: Jun 20; WID: RP-200797)

(NR\_UE\_pow\_sav-Core; leading WG: RAN1; REL-16; started: Mar 19; Completed Jun 20; WID: RP-200494).

(NR\_2step\_RACH-Core; leading WG: RAN1; REL-16; started: Dec 18; Completed: June 20; WID: RP-200085).

(SRVCC\_NR\_to\_UMTS-Core; leading WG: RAN2; REL-16; started: Dec 18; Completed; Mar 20; WID: RP-190713)

(RACS-RAN-Core, leading WG: RAN2; REL-16; started: Mar 19; completed: Jun 20; WID: RP-191088)

(NG\_RAN\_PRN-Core; leading WG: RAN3; REL-16; started: Mar 19; completed: June 20; WID: RP-200122)

(NR\_eMIMO-Core, leading WG: RAN1; REL-16; started: Jun 18; target; Aug 20; WID: RP-200474;)

(NR\_CLI\_RIM; leading WG: RAN1; REL-16; started: Dec 18; Completed: Jun 20; WID: RP-191997;)

(NR\_L1enh\_URLLC-Core, leading WG: RAN1; REL-16; Completed: June 20; WID: RP-191584)

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI RP-200791)

(NR\_Mob\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed June 20; WID: RP-192277).

(NR\_HST, NR\_RRM\_enh-Core, NR\_RF\_FR1, NR\_RF\_FR2\_req\_enh, NR\_n66\_BW, LTE\_NR\_B41\_Bn41\_PC29dBm-Core, NR\_CSIRS\_L3meas,)

(NR TEI16).

LTE mob enh corrections that are common with NR mobility enhancements should be submitted to this AI.

### 5.1.1 Stage 2 and Organisational

Incoming LSs, etc. You should discuss your stage 2 CRs with the specification rapporteurs before submission. Includes impact to 38.300, 36.300, 37.340

LS in to be noted

[R2-2206921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206921.zip) Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R1-2205465; contact: Huawei) RAN1 LS in Rel-17 NR\_newRAT-Core To:RAN5 Cc:RAN2, RAN4

Chair: RAN2 is CCed, no action. Propose Noted [000].

[R2-2206952](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206952.zip) Further Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R4-2210815; contact: Qualcomm) RAN4 LS in Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN2

Chair: RAN2 is CCed, no action. Propose Noted [000].

[R2-2206928](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206928.zip) LS on New UE Feature for HARQ-ACK multiplexing on PUSCH in the absence of PUCCH (R1-2205634; contact: Apple) RAN1 LS in Rel-16 TEI16, NR\_newRAT-Core To:RAN2

Chair: Believe that this was taken into account last meeting. Propose Noted [000].

* [AT119-e][006][NR1516] Stage-2 Corrections (OPPO)

Scope: Treat [R2-2208190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208190.zip), [R2-2208191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208191.zip), [R2-2208192](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208192.zip), [R2-2207131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207131.zip), [R2-2207134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207134.zip), [R2-2207879](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207879.zip), [R2-2207735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207735.zip), [R2-2208414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208414.zip), [R2-2208418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208418.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

PUCCH Group

postponed last meeting

[R2-2208190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208190.zip) Clarification on PUCCH primary and secondary group definition Ericsson CR Rel-15 38.300 15.13.0 0531 - F NR\_newRAT-Core

[R2-2208191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208191.zip) Clarification on PUCCH primary and secondary group definition Ericsson CR Rel-16 38.300 16.9.0 0532 - A NR\_newRAT-Core

[R2-2208192](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208192.zip) Clarification on PUCCH primary and secondary group definition Ericsson CR Rel-17 38.300 17.1.0 0533 - A NR\_newRAT-Core

[R2-2207131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207131.zip) Clarification of PUCCH group definition OPPO CR Rel-16 38.300 16.9.0 0442 1 F NR\_RRM\_enh2-Core R2-2204600

[R2-2207134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207134.zip) Clarification of PUCCH group definition OPPO CR Rel-17 38.300 17.1.0 0498 - A NR\_RRM\_enh2-Core

*(Moved from 6.24.1)*

Access control

[R2-2207879](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207879.zip) Correction on Stage 2 description of Access Control clauses Peraton Labs CISA ECD CR Rel-17 38.300 17.1.0 0518 - F NR\_newRAT-Core

Moved from 6.0.1

RNA

[R2-2207735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207735.zip) NR Correction related to RNA Deutsche Telekom, Huawei, HiSilicon, Nokia (Rapporteur) CR Rel-17 38.300 17.1.0 0515 - F NR\_newRAT-Core

Moved from 6.21.2

Rapporteur CR

[R2-2208414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208414.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Samsung CR Rel-16 37.340 16.10.0 0341 - F TEI16, NR\_Mob\_enh-Core, LTE\_feMob-Core

[R2-2208418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208418.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Samsung CR Rel-17 37.340 17.1.0 0342 - A TEI16, NR\_Mob\_enh-Core, LTE\_feMob-Core

### 5.1.2 User Plane corrections

**User Plane corrections will be handled in the UP break out session**

#### 5.1.2.1 MAC

[R2-2207896](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207896.zip) Clarification on BFD while SCell is deactivated Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1347 - F NR\_eMIMO-Core

[R2-2207897](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207897.zip) Clarification on BFD while SCell is deactivated Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1348 - A NR\_eMIMO-Core

[R2-2207898](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207898.zip) Clarification on the matching TB size for 2-step RA Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1349 - F NR\_2step\_RACH-Core

[R2-2207899](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207899.zip) Clarification on the matching TB size for 2-step RA Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1350 - A NR\_2step\_RACH-Core

[R2-2208008](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208008.zip) SPS HARQ feedback dropping for TDD Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core

[R2-2208009](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208009.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-15 38.321 15.13.0 1358 - F NR\_newRAT-Core

[R2-2208010](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208010.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1359 - A NR\_newRAT-Core

[R2-2208011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208011.zip) Clarification on HARQ RTT timer in case of HARQ feedback dropping Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1360 - A NR\_newRAT-Core

[R2-2208024](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208024.zip) Clarification on configuredGrantTimer and cg-RetransmissionTimer Nokia, Nokia Shanghai Bell CR Rel-16 38.321 16.9.0 1362 - F TEI16, NR\_unlic-Core

[R2-2208025](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208025.zip) Clarification on configuredGrantTimer and cg-RetransmissionTimer Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1363 - A TEI16, NR\_unlic-Core, NR\_SmallData\_INACTIVE-Core

[R2-2208254](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208254.zip) Correction on RA Resource Selection in Rel-15 vivo CR Rel-15 38.321 15.13.0 1373 - F NR\_newRAT-Core

[R2-2208261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208261.zip) Correction on RA Resource Selection in Rel-16 vivo CR Rel-16 38.321 16.9.0 1375 - F NR\_newRAT-Core, NR\_2step\_RACH-Core

[R2-2208263](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208263.zip) Correction on RA Resource Selection in Rel-17 vivo CR Rel-17 38.321 17.1.0 1376 - A NR\_newRAT-Core, NR\_2step\_RACH-Core

#### 5.1.2.2 RLC PDCP SDAP BAP

[R2-2206980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206980.zip) Retransmission SDU choice under double-no condition When T-PollRetransmit expiration PML discussion

#### 5.1.2.3 Other

User plane related corrections that should be handled in User plane break out session.

### 5.1.3 Control Plane corrections

#### 5.1.3.1 NR RRC

In case a correction need to mirrored for both NR RRC and LTE RRC, the corrections should be submitted under one single AI, i.e. the sub-AIs below this.

##### 5.1.3.1.1 Connection control

Including L1 Parameters, L2 Parameters, Connection establishment and release, Connection reconfiguration (also reconfig with sync, Handover), Connection resume and release with RRC\_INACTIVE state, Security procedures, re-establishment, RRC processing delay requirements etc.

n77 for UL CA

Online First

[R2-2207261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207261.zip) Use of NS-values with intra-band UL CA Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core

[R2-2208139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208139.zip) NS\_55/57 in NR CA Ericsson discussion Rel-16 TEI16

* 2 tdocs noted

[R2-2208457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208457.zip) Correction on NR CA configuation for n77 [n77 USA/Canada] MediaTek Inc. CR Rel-17 38.331 17.1.0 3421 - F TEI17

DISCUSSION on the tdocs above

* Apple support Nokia
* HW agrees with Ericsson that there is an issue and prefer option 1, that network is allowed to indicate different values, especially as the parameters values are the same.
* Intel understands that Nokias understanding is correct, but agrees that this is not clear in R2 and R4 TSes, i.e. the usage of CA NS values. Understand that RAN4 are also discussion this point, but woud also be ok with Eri/MTK approach to a specific solution.
* SS think both would be ok, either would be ok.
* OPPO wonder if we for Nokia solution need to add n77 for CA table in R4. Nokia think not, as NS01 is general and can be applied.
* TMO would like to solve this specifically for n77, the Nokia general approach is a different issue. Would prefer very specific language for n77. There is a study for the general aspects (TSG RAN).
* Xiaomi think this is a general issue, would like to have a general solution.
* Vivo prefer Nokias approach.
* Ericsson think the network can signal anything, and the compromise is that the UE just accept.
* Chair: think that if we go the Ericsson/MTK way we can consider to follow TMOs opinion that this is very specific only for the current case.
* For UL CA in n77 with at least one cell in DoD-band and at least one cell in C-band, the network may configure either NS\_55 or NS\_01 for UL carrier(s) in DoD-band, and NS\_01 for the remaining uplink carrier(s) in this band.

*Chair: Continue Offline*

* [AT119-e][032][NR1516] n77 (Ericsson)

Scope: Take into account online progress. Determine where and how to capture the online agreement. Treat also remaining papers on n77: R2-2208163, R2-2208264, R2-0227262, and determine agreeable parts, For agreeable parts and agreements, capture in CRs.

Intended outcome: Report, Agreed CRs (LS out if desired)

Deadline: EOM (offline only, if possible)

n77 Capabilities

[R2-2208163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208163.zip) Correction for NS 55 and NS 57 and associated capability bits Ericsson discussion Rel-16 TEI16

[R2-2208164](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208164.zip) Ensuring consistent support of capability bits and associated NS-values in n77 in USA and Canada Ericsson CR Rel-17 38.306 17.1.0 0788 - F TEI17

[R2-2207262](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207262.zip) Use of NS\_55 and NS\_57 on band n77 Nokia, Nokia Shanghai Bell discussion Rel-16 TEI16

* [AT119-e][007][NR1516] RRC Conn Control I (Nokia)

Scope: Treat [R2-2208270](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208270.zip), [R2-2208271](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208271.zip), [R2-2207258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207258.zip), [R2-2207259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207259.zip), [R2-2207260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207260.zip), [R2-2207263](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207263.zip), [R2-2207264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207264.zip), [R2-2207265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207265.zip), [R2-2207266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207266.zip), [R2-2207942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207942.zip), [R2-2206918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206918.zip), [R2-2207550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207550.zip), [R2-2207551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207551.zip), [R2-2207552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207552.zip), [R2-2207553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207553.zip), [R2-2207603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207603.zip), [R2-2207604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207604.zip), [R2-2207605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207605.zip), [R2-2207606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207606.zip), [R2-2207139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207139.zip), [R2-2207140](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207140.zip), [R2-2207142](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207142.zip), [R2-2207143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207143.zip), Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

L1 Parameters

[R2-2208270](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208270.zip) Correction of PUSCH repetition configuration Qualcomm Incorporated CR Rel-16 38.331 16.9.0 3394 - F NR\_IIOT-Core

[R2-2208271](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208271.zip) Correction of PUSCH repetition configuration Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3395 - A NR\_IIOT-Core

[R2-2207258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207258.zip) P-Max definition in SIB1 and dedicated signalling Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.18.0 3238 - F NR\_newRAT-Core

[R2-2207259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207259.zip) P-Max definition in SIB1 and dedicated signalling Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.9.0 3239 - A NR\_newRAT-Core

[R2-2207260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207260.zip) P-Max definition in SIB1 and dedicated signalling Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3240 - A NR\_newRAT-Core

[R2-2207263](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207263.zip) Correction to firstOFDMSymbolInTimeDomain Nokia, Nokia Shanghai Bell discussion Rel-15 NR\_newRAT-Core

[R2-2207264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207264.zip) Correction to firstOFDMSymbolInTimeDomain Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.18.0 3241 - F NR\_newRAT-Core

[R2-2207265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207265.zip) Correction to firstOFDMSymbolInTimeDomain Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.9.0 3242 - A NR\_newRAT-Core

[R2-2207266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207266.zip) Correction to firstOFDMSymbolInTimeDomain Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3243 - A NR\_newRAT-Core

[R2-2207941](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207941.zip) Correction on the field description for highSpeedDemodFlag Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3329 - F NR\_HST-Core

NR-DC Power Control

[R2-2206918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206918.zip) Reply LS on power control for NR-DC (R1-2205448; contact: Nokia) RAN1 LS in Rel-17 LTE\_NR\_DC\_CA\_enh-Core To:RAN2, RAN4

Moved from 5.1.1

[R2-2207550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207550.zip) NR DC Power control Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.9.0 0770 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207551.zip) NR DC Power control Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0771 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2207552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207552.zip) NR DC Power control Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.9.0 3280 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207553.zip) NR DC Power control Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3281 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2207603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207603.zip) Correction on NR-DC power control vivo CR Rel-16 38.331 16.9.0 3290 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207604.zip) Correction on NR-DC power control vivo CR Rel-16 38.306 16.9.0 0772 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207605.zip) Correction on NR-DC power control vivo CR Rel-17 38.331 17.1.0 3291 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2207606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207606.zip) Correction on NR-DC power control vivo CR Rel-17 38.306 17.1.0 0773 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2207139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207139.zip) Clarification on FR2 p-max parameters OPPO CR Rel-16 38.331 16.9.0 3220 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207140](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207140.zip) clarification on FR2 p-max parameters OPPO CR Rel-17 38.331 17.1.0 3221 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2207142](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207142.zip) Clarification on powe sharing UE capability OPPO CR Rel-16 38.306 16.9.0 0760 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2207143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207143.zip) Clarification on powe sharing UE capability OPPO CR Rel-17 38.306 17.1.0 0761 - A LTE\_NR\_DC\_CA\_enh-Core

*Moved from 6.24.1*

* [AT119-e][008][NR1516] RRC Conn Control II (ZTE)

Scope: Treat [R2-2208474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208474.zip), [R2-2208476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208476.zip), [R2-2208553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208553.zip), [R2-2208550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208550.zip), [R2-2208551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208551.zip), [R2-2208552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208552.zip), [R2-2208579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208579.zip), [R2-2208580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208580.zip), [R2-2208581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208581.zip), [R2-2207400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207400.zip), [R2-2207401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207401.zip), [R2-2208402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208402.zip), [R2-2208403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208403.zip), [R2-2208691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208691.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

L2 Parameters

[R2-2208474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208474.zip) Correction for field description on PUSCH MediaTek Beijing Inc. CR Rel-16 38.331 16.9.0 3423 - F NR\_2step\_RACH-Core

[R2-2208476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208476.zip) Correction for field description on PUSCH MediaTek Beijing Inc. CR Rel-17 38.331 17.1.0 3424 - A NR\_2step\_RACH-Core

[R2-2208553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208553.zip) Considerations on sn-fieldlength change in the case of bearer type change ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell, CATT discussion Rel-15 NR\_newRAT-Core

Chair comment: Postponed last meeting

[R2-2208550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208550.zip) CR on 38.331 for sn-FieldLength change for the case of bearer type change ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell, CATT CR Rel-15 38.331 15.18.0 3436 - F NR\_newRAT-Core

[R2-2208551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208551.zip) CR on 38.331 for sn-FieldLength change for the case of bearer type change ZTE Corporation, Sanechips,Nokia, Nokia Shanghai Bell, CATT CR Rel-16 38.331 16.9.0 3437 - A NR\_newRAT-Core

[R2-2208552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208552.zip) CR on 38.331 for sn-FieldLength change for the case of bearer type change ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell, CATT CR Rel-17 38.331 17.1.0 3438 - A NR\_newRAT-Core

[R2-2208579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208579.zip) 38.331 cr(Rel-17) correction on the condition of configuring discardTimer Xiaomi CR Rel-17 38.331 17.1.0 3447 - F NR\_newRAT-Core

*Moved from 6.0.3*

[R2-2208580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208580.zip) 38.331 cr(Rel-16) correction on the condition of configuring discardTimer Xiaomi CR Rel-16 38.331 16.9.0 3448 - F NR\_newRAT-Core

*Moved from 6.0.3*

[R2-2208581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208581.zip) 38.331 cr(Rel-15) correction on the condition of configuring discardTimer Xiaomi CR Rel-15 38.331 15.18.0 3449 - F NR\_newRAT-Core

*Moved from 6.0.3*

DAPS

[R2-2207400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207400.zip) Correction to RLF configuration in case of DAPS HO Fujitsu CR Rel-16 38.331 16.9.0 3255 - F NR\_Mob\_enh-Core

[R2-2207401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207401.zip) Correction to RLF configuration in case of DAPS HO Fujitsu CR Rel-17 38.331 17.1.0 3256 - A NR\_Mob\_enh-Core

[R2-2208402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208402.zip) Clarification on headerCompression for DAPS bearer ZTE Corporation, Sanechips CR Rel-16 38.331 16.9.0 3416 - F NR\_Mob\_enh-Core

[R2-2208403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208403.zip) Clarification on headerCompression for DAPS bearer ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3417 - A NR\_Mob\_enh-Core

[R2-2208691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208691.zip) Clarification on reestablishRLC for DAPS HO ZTE Corporation, Sanechips **Late**

* [AT119-e][009][NR1516] RRC Conn Control III (Huawei)

Scope: Treat [R2-2206930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206930.zip), [R2-2207502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207502.zip), [R2-2207503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207503.zip), [R2-2207504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207504.zip), [R2-2207158](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207158.zip), [R2-2207159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207159.zip), [R2-2207160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207160.zip), [R2-2207157](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207157.zip), [R2-2208905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208905.zip), [R2-2208058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208058.zip), [R2-2208059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208059.zip), [R2-2208473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208473.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

Resume in NPN cell

[R2-2206930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206930.zip) LS on NPN only cell (R3-223928; contact: Huawei) RAN3 LS in Rel-16 NG\_RAN\_PRN-Core To:RAN2

Moved from 5.1.1

[R2-2207502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207502.zip) Discussion on NPN-only cell Huawei, HiSilicon discussion Rel-16 NG\_RAN\_PRN-Core

[R2-2207503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207503.zip) Correction to 38.331 on NPN-only cell (R16) Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3271 - F NG\_RAN\_PRN-Core

[R2-2207504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207504.zip) Correction to 38.331 on NPN-only cell (R17) Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3272 - A NG\_RAN\_PRN-Core

[R2-2207158](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207158.zip) Consideration on the Target cell ID for the Short MAC I Calculation ZTE Corporation, Sanechips discussion Rel-16 38.306 NG\_RAN\_PRN-Core

[R2-2207159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207159.zip) CR on Target Cell ID setting for the NPN-only Cell (R16) ZTE Corporation, Sanechips CR Rel-16 38.331 16.9.0 3222 - F NG\_RAN\_PRN-Core

[R2-2207160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207160.zip) CR on Target Cell ID setting for the NPN-only Cell (R17) ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3223 - A NG\_RAN\_PRN-Core

[R2-2207157](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207157.zip) Reply LS on NPN only cell ZTE Corporation, Sanechips LS out Rel-16 NG\_RAN\_PRN-Core To:RAN3

[R2-2207237](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207237.zip) Cell Identity Issue for NPN during RRC Resume Procedure OPPO discussion Rel-16 NG\_RAN\_PRN-Core

=> Revised in [R2-2208905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208905.zip)

[R2-2208905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208905.zip) Cell Identity Issue for NPN during RRC Resume Procedure OPPO discussion Rel-16 NG\_RAN\_PRN-Core

Resume EHC

[R2-2208058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208058.zip) Correction to add EHC context in UE Inactive AS context Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3349 - F NR\_IIOT-Core

[R2-2208059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208059.zip) Correction to add EHC context in UE Inactive AS context Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3350 - A NR\_IIOT-Core

UP handling

[R2-2208473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208473.zip) Clarification on RLC bearer handling for fullConfig CATT discussion Rel-15

##### 5.1.3.1.2 Other

* [AT119-e][010][NR1516] RRC Other (vivo)

Scope: Treat [R2-2207547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207547.zip), [R2-2207548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207548.zip), [R2-2207549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207549.zip), [R2-2208265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208265.zip), [R2-2207611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207611.zip), [R2-2207612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207612.zip), [R2-2208337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208337.zip), [R2-2208338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208338.zip), [R2-2207257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207257.zip), [R2-2207615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207615.zip), [R2-2207616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207616.zip), [R2-2207617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207617.zip), [R2-2207618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207618.zip), [R2-2207560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207560.zip), [R2-2207568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207568.zip), [R2-2207574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207574.zip), [R2-2208346](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208346.zip), [R2-2208347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208347.zip), [R2-2208348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208348.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

SI

SIB1 transmission period

[R2-2207547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207547.zip) SIB1 transmission period Nokia, Nokia Shanghai Bell CR Rel-15 38.331 15.18.0 3277 - F TEI15

[R2-2207548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207548.zip) SIB1 transmission period Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.9.0 3278 - A TEI15

[R2-2207549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207549.zip) SIB1 transmission period Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3279 - A TEI15

On-Demand SI

[R2-2208265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208265.zip) Discussion on SI-request Period Issues vivo discussion Rel-15 NR\_newRAT-Core Late

[R2-2207611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207611.zip) Disscussion on SI request issue vivo discussion Rel-15 NR\_newRAT-Core

[R2-2207612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207612.zip) 38331 CR on SI request vivo CR Rel-15 38.331 15.18.0 3293 - F NR\_newRAT-Core

[R2-2208337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208337.zip) 38331 CR on SI request vivo CR Rel-16 38.331 16.9.0 3403 - A NR\_newRAT-Core

[R2-2208338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208338.zip) 38331 CR on SI request vivo CR Rel-17 38.331 17.1.0 3404 - A NR\_newRAT-Core

Measurements

Early measurements

[R2-2207257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207257.zip) Clarification to expiry of IDLE mode measurements Nokia, Nokia Shanghai Bell discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

*Moved from 5.1.3.1.1*

Measurement during connection setup

[R2-2207615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207615.zip) Discussion on the measurement during RRC connection establishment and RRC connection resume vivo discussion Rel-15 NR\_newRAT-Core

*Moved from 5.1.3.1.1*

[R2-2207616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207616.zip) Rel-15 331 CR on the measurement during RRC connection establishment and RRC connection resume vivo CR Rel-15 38.331 15.18.0 3294 - F NR\_newRAT-Core

[R2-2207617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207617.zip) Rel-16 331 CR on the measurement during RRC connection establishment and RRC connection resume vivo CR Rel-16 38.331 16.9.0 3295 - A NR\_newRAT-Core

[R2-2207618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207618.zip) Rel-17 331 CR on the measurement during RRC connection establishment and RRC connection resume vivo CR Rel-17 38.331 17.1.0 3296 - A NR\_newRAT-Core

s-Measure

[R2-2207560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207560.zip) Corrections on s-MeasureConfig in NR Samsung CR Rel-15 38.331 15.18.0 3282 - F NR\_newRAT-Core

[R2-2207568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207568.zip) Corrections on s-MeasureConfig in NR Samsung CR Rel-16 38.331 16.9.0 3284 - A NR\_newRAT-Core

[R2-2207574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207574.zip) Corrections on s-MeasureConfig in NR Samsung CR Rel-17 38.331 17.1.0 3285 - A NR\_newRAT-Core

Measurement report triggering

[R2-2208346](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208346.zip) Corrections on measurement report triggering-R15 OPPO, ZEKU, ZTE CR Rel-15 38.331 15.18.0 3405 - F NR\_newRAT-Core

[R2-2208347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208347.zip) Corrections on measurement report triggering-R16 OPPO, ZEKU, ZTE CR Rel-16 38.331 16.9.0 3406 - A NR\_newRAT-Core

[R2-2208348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208348.zip) Corrections on measurement report triggering-R17 OPPO, ZEKU, ZTE CR Rel-17 38.331 17.1.0 3407 - A NR\_newRAT-Core

* [AT119-e][011][NR1516] RRC LTE Overheating Misc and Idle (Ericsson)

Scope: Treat [R2-2208202](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208202.zip), [R2-2208203](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208203.zip), [R2-2207575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207575.zip), [R2-2207576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207576.zip), [R2-2207577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207577.zip), [R2-2208207](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208207.zip), [R2-2208208](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208208.zip), [R2-2207357](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207357.zip), [R2-2207358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207358.zip), [R2-2208209](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208209.zip), [R2-2208210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208210.zip), [R2-2208211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208211.zip), R2-2208140, [R2-2207540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207540.zip), [R2-2207558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207558.zip), [R2-2207559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207559.zip) Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

Miscellaneous

[R2-2208202](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208202.zip) Miscellaneous corrections Lenovo draftCR Rel-16 38.331 16.9.0 F NR\_unlic-Core, TEI16

[R2-2208203](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208203.zip) Miscellaneous corrections Lenovo draftCR Rel-17 38.331 17.1.0 A NR\_unlic-Core, TEI16

R2-2208140 Miscellaneous non-controversial corrections Set XV Ericsson CR Rel-16 38.331 16.9.0 3361 - F NR\_newRAT-Core Late

*Moved from 5.1.3.1.1*

#### 5.1.3.2 LTE changes

LTE-specific changes for these WIs. Changes that are applied to both LTE and NR shall be treated together under respective Agenda item other than this one.

Measurements

[R2-2207575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207575.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R15) Huawei, HiSilicon, OPPO, MediaTek Inc., vivo, Nokia, Nokia Shanghai Bell, CATT, Ericsson, NTT DOCOMO, Lenovo, ZTE Corporation, Apple, NEC, China Telecom CR Rel-15 36.331 15.18.0 4848 - F NR\_newRAT-Core

[R2-2207576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207576.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R16) Huawei, HiSilicon, OPPO, MediaTek Inc., vivo, Nokia, Nokia Shanghai Bell, CATT, Ericsson, NTT DOCOMO, Lenovo, ZTE Corporation, Apple, NEC, China Telecom CR Rel-16 36.331 16.9.0 4849 - A NR\_newRAT-Core

[R2-2207577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207577.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R17) Huawei, HiSilicon, OPPO, MediaTek Inc., vivo, Nokia, Nokia Shanghai Bell, CATT, Ericsson, NTT DOCOMO, Lenovo, ZTE Corporation, Apple, NEC, China Telecom CR Rel-17 36.331 17.1.0 4850 - A NR\_newRAT-Core

Overheating - both NR RRC and/or LTE RRC

[R2-2208207](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208207.zip) Rel-16 Correction of overheating for NR SCG Qualcomm Incorporated, Ericsson CR Rel-16 36.331 16.9.0 4854 - F TEI16

[R2-2208208](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208208.zip) Rel-17 Correction of overheating for NR SCG Qualcomm Incorporated, Ericsson CR Rel-17 36.331 17.1.0 4855 - A TEI16

*Moved from 4.4*

[R2-2207357](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207357.zip) SCG Overheating termination in EN-DC Samsung CR Rel-16 36.331 16.9.0 4843 - F TEI16

Moved here from 7

[R2-2207358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207358.zip) SCG Overheating termination in EN-DC Samsung CR Rel-17 36.331 17.1.0 4844 - A TEI17

Moved here from 7

[R2-2208209](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208209.zip) Rel-15 Clarification on the overheating UAI Qualcomm Incorporated CR Rel-15 38.331 15.18.0 3379 - F TEI16

[R2-2208210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208210.zip) Rel-16 Clarification on the overheating UAI Qualcomm Incorporated CR Rel-16 38.331 16.9.0 3380 - A TEI16

[R2-2208211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208211.zip) Rel-17 Clarification on the overheating UAI Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3381 - A TEI16

#### 5.1.3.4 Idle and inactive mode procedures

This agenda item addresses the idle and inactive behaviour specified in 38.304 or 36.304. Other aspects related to inactive (e.g. state transitions, out of coverage, etc) are covered under RRC agenda items

IMS emergency call

[R2-2207540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207540.zip) UE behavior when IMS emergency call is not supported in cell Samsung CR Rel-15 38.304 15.8.0 0261 - F NR\_newRAT-Core

[R2-2207558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207558.zip) UE behavior when IMS emergency call is not supported in cell Samsung CR Rel-16 38.304 16.8.0 0262 - A NR\_newRAT-Core

[R2-2207559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207559.zip) UE behavior when IMS emergency call is not supported in cell Samsung CR Rel-17 38.304 17.1.0 0263 - A NR\_newRAT-Core

#### 5.1.3.3 UE capabilities

* [AT119-e][012][NR1516] UE capabilities (MediaTek)

Scope: Treat [R2-2206911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206911.zip), [R2-2208501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208501.zip), [R2-2208502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208502.zip), [R2-2208503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208503.zip), [R2-2208504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208504.zip), [R2-2207640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207640.zip), [R2-2207641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207641.zip), [R2-2207049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207049.zip), [R2-2207085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207085.zip), [R2-2207086](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207086.zip), [R2-2207094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207094.zip), [R2-2207095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207095.zip), [R2-2207113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207113.zip), [R2-2207114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207114.zip), [R2-2208027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208027.zip), [R2-2208028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208028.zip), [R2-2207331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207331.zip), [R2-2207332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207332.zip), [R2-2208505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208505.zip), [R2-2208506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208506.zip). Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

PDCCH Blind Detection

[R2-2206911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206911.zip) Reply LS on PDCCH Blind Detection in CA (R1-2205320; contact: Huawei) RAN1 LS in Rel-17 NR\_L1enh\_URLLC-Core To:RAN2

*Moved from 5.1*

[R2-2208501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208501.zip) Correction on PDCCH Blind Detection capability in CA Huawei, HiSilicon CR Rel-16 38.306 16.9.0 0789 - F NR\_L1enh\_URLLC-Core

[R2-2208502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208502.zip) Correction on PDCCH Blind Detection capability in CA Huawei, HiSilicon CR Rel-17 38.306 17.1.0 0790 - A NR\_L1enh\_URLLC-Core

[R2-2208503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208503.zip) Correction on PDCCH Blind Detection capability in CA Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3429 - F NR\_L1enh\_URLLC-Core

[R2-2208504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208504.zip) Correction on PDCCH Blind Detection capability in CA Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3430 - A NR\_L1enh\_URLLC-Core

MMSE-IRC

[R2-2207640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207640.zip) CR to TS 38.306 on UE capability of MMSE-IRC receiver China Telecom CR Rel-15 38.306 15.17.0 0775 - F NR\_newRAT-Core

[R2-2207641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207641.zip) CR to TS 38.306 on UE capability of MMSE-IRC receiver China Telecom CR Rel-16 38.306 16.9.0 0776 - A NR\_newRAT-Core

HPUE

[R2-2207049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207049.zip) On early implementation and capability signaling of Power Class 1.5 MediaTek Inc. discussion Rel-16 LTE\_NR\_B41\_Bn41\_PC29dBm, HPUE\_PC1\_5\_n77\_n78, NR\_UE\_PC1\_5\_n79

[R2-2207085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207085.zip) PC1.5 and legacy power class capability reporting clarification MediaTek Inc. CR Rel-16 38.306 16.9.0 0795 - F LTE\_NR\_B41\_Bn41\_PC29dBm, HPUE\_PC1\_5\_n77\_n78, NR\_UE\_PC1\_5\_n79

[R2-2207086](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207086.zip) PC1.5 and legacy power class capability reporting clarification MediaTek Inc. CR Rel-17 38.306 17.1.0 0796 - A LTE\_NR\_B41\_Bn41\_PC29dBm, HPUE\_PC1\_5\_n77\_n78, NR\_UE\_PC1\_5\_n79

[R2-2207094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207094.zip) Make PC1.5 an early implementation candidate MediaTek Inc. CR Rel-16 38.331 16.9.0 3454 - F LTE\_NR\_B41\_Bn41\_PC29dBm, HPUE\_PC1\_5\_n77\_n78, NR\_UE\_PC1\_5\_n79

[R2-2207095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207095.zip) Make PC1.5 an early implementation candidate MediaTek Inc. CR Rel-17 38.331 17.1.0 3455 - A LTE\_NR\_B41\_Bn41\_PC29dBm, HPUE\_PC1\_5\_n77\_n78, NR\_UE\_PC1\_5\_n79

Per BC Reporting

[R2-2207113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207113.zip) Clarification on codebookParametersPerBC parameter for extension of CSI-RS capabilities reporting MediaTek Inc. CR Rel-16 38.331 16.9.0 3452 - F NR\_newRAT-Core, TEI16

[R2-2207114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207114.zip) Clarification on codebookParametersPerBC parameter for extension of CSI-RS capabilities reporting MediaTek Inc. CR Rel-17 38.331 17.1.0 3453 - A NR\_newRAT-Core, TEI16

A-CSI

[R2-2208027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208027.zip) Correction on crossCarrierA-CSI-trigDiffSCS-r16 (38.306) Ericsson CR Rel-17 38.306 17.1.0 0786 - A LTE\_NR\_DC\_CA\_enh-Core

[R2-2208028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208028.zip) Correction on crossCarrierA-CSI-trigDiffSCS-r16 (38.306) Ericsson CR Rel-16 38.306 16.9.0 0787 - F LTE\_NR\_DC\_CA\_enh-Core

CSI-RS

[R2-2207331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207331.zip) Correction on beamManagementSSB-CSI-RS Qualcomm Incorporated CR Rel-16 38.306 16.9.0 0765 - F TEI16

[R2-2207332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207332.zip) Correction on beamManagementSSB-CSI-RS Qualcomm Incorporated CR Rel-17 38.306 17.1.0 0766 - A TEI16

pusch-RepetitionTypeA

[R2-2208505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208505.zip) Clarification on pusch-RepetitionTypeA-r16 capability Huawei, HiSilicon CR Rel-16 38.306 16.9.0 0791 - F NR\_L1enh\_URLLC-Core

[R2-2208506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208506.zip) Clarification on pusch-RepetitionTypeA-r16 capability Huawei, HiSilicon CR Rel-17 38.306 17.1.0 0792 - A NR\_L1enh\_URLLC-Core

## 5.2 NR V2X

(5G\_V2X\_NRSL-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Aug 20; WID: RP-200129).

CR rapporteurs will take care of miscellaneous CRs to collect small changes. Please contact / coordinate with CR rapporteur company first for small changes (e.g. non-controversial clarification/correction, editorial correction, etc.).

### 5.2.1 General and Stage-2 corrections

Including incoming LSs, rapporteur inputs, etc.

[R2-2206905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206905.zip) Reply LS on V2X PC5 link for unicast communication with null security algorithm (C1-223972; contact: Huawei) CT1 LS in Rel-17 To:RAN5 Cc:SA3, RAN2

[R2-2206950](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206950.zip) Reply LS on signalling of PC2 V2X intra-band con-current operation (R4-2210733; contact: CATT) RAN4 LS in Rel-16 5G\_V2X\_NRSL-Core To:RAN2

[R2-2206975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206975.zip) Reply LS on V2X PC5 link for unicast communication with null security algorithm (S3-221590; contact: Lenovo) SA3 LS in Rel-17 eV2XARC To:RAN5 Cc:CT1, RAN2

[R2-2207219](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207219.zip) (draft)reply LS on null security algorithm ZTE Corporation, Sanechips LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN5 Cc:SA3,CT1

[R2-2208049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208049.zip) Draft reply LS on V2X PC5 link for unicast communication with null security algorithm Huawei, HiSilicon LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN5 Cc:SA3, CT1

[R2-2208050](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208050.zip) Clarification on PC5 AS security Huawei, HiSilicon CR Rel-16 38.300 16.9.0 0527 - F 5G\_V2X\_NRSL-Core

[R2-2208051](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208051.zip) Clarification on PC5 AS security Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0528 - A 5G\_V2X\_NRSL-Core

### 5.2.2 Control plane corrections

This agenda item may utilize a summary document on RRC (Huawei).

[R2-2207217](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207217.zip) Correction on null security algorithm ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3234 - F 5G\_V2X\_NRSL-Core

[R2-2207218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207218.zip) Correction on null security algorithm ZTE Corporation, Sanechips CR Rel-16 38.331 16.9.0 3235 - F 5G\_V2X\_NRSL-Core

[R2-2208045](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208045.zip) Miscelleneous CR on 38.331 Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3346 - F 5G\_V2X\_NRSL-Core

[R2-2208046](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208046.zip) Miscelleneous CR on 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3347 - A 5G\_V2X\_NRSL-Core

[R2-2208052](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208052.zip) Summary on Rel-16 control plane corrections Huawei, HiSilicon discussion Rel-16 5G\_V2X\_NRSL-Core Late

[R2-2208217](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208217.zip) Clarifications on PC5 UE capabilities for V2X Nokia, Nokia Shanghai Bell draftCR Rel-17 38.306 17.1.0 5G\_V2X\_NRSL-Core

[R2-2208283](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208283.zip) Control plane correction on NR Sidelink enhancements LG Electronics France CR Rel-17 38.331 17.1.0 3396 - F 5G\_V2X\_NRSL-Core

[R2-2208350](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208350.zip) Correction on LCID assignment for SL LCH ASUSTeK CR Rel-16 38.331 16.9.0 3408 - F 5G\_V2X\_NRSL-Core

[R2-2208351](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208351.zip) Correction on LCID assignment for SL LCH ASUSTeK CR Rel-17 38.331 17.1.0 3409 - A 5G\_V2X\_NRSL-Core

[R2-2208600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208600.zip) Correction on Missing UE behavior on sidelink reset vivo CR Rel-16 38.331 16.9.0 3450 - F 5G\_V2X\_NRSL-Core

[R2-2208601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208601.zip) Correction on Missing UE behavior on sidelink reset vivo CR Rel-17 38.331 17.1.0 3451 - F 5G\_V2X\_NRSL-Core

### 5.2.3 User plane corrections

This agenda item may utilize a summary document on MAC (LG).

[R2-2207659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207659.zip) CR on SL MAC CE handling vivo CR Rel-16 38.321 16.9.0 1328 - F 5G\_V2X\_NRSL-Core

[R2-2207660](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207660.zip) CR on SL MAC CE handling vivo CR Rel-17 38.321 17.1.0 1329 - A 5G\_V2X\_NRSL-Core

[R2-2207661](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207661.zip) Correction on SL LCP restriction for sl-HARQ-FeedbackEnabled vivo CR Rel-16 38.321 16.9.0 1330 - F 5G\_V2X\_NRSL-Core

[R2-2207662](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207662.zip) Correction on SL LCP restriction for sl-HARQ-FeedbackEnabled vivo CR Rel-17 38.321 17.1.0 1331 - A 5G\_V2X\_NRSL-Core

[R2-2207663](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207663.zip) Discussion on the Buffer Size field in the Sidelink BSR formats vivo discussion

[R2-2207664](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207664.zip) Clarification on the Buffer Size field in the Sidelink BSR formats (Option 1) vivo CR Rel-16 38.321 16.9.0 1332 - F 5G\_V2X\_NRSL-Core

[R2-2207665](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207665.zip) Clarification on the Buffer Size field in the Sidelink BSR formats (Option 1) vivo CR Rel-17 38.321 17.1.0 1333 - A 5G\_V2X\_NRSL-Core

[R2-2207666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207666.zip) Clarification on the Buffer Size field in the Sidelink BSR formats (Option 2) vivo CR Rel-16 38.321 16.9.0 1334 - F 5G\_V2X\_NRSL-Core

[R2-2207667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207667.zip) Clarification on the Buffer Size field in the Sidelink BSR formats (Option 2) vivo CR Rel-17 38.321 17.1.0 1335 - A 5G\_V2X\_NRSL-Core

[R2-2208047](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208047.zip) Clarification on UE handling when performing operations on multiple RPs Huawei, HiSilicon CR Rel-16 38.321 16.9.0 1364 - F 5G\_V2X\_NRSL-Core

[R2-2208048](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208048.zip) Clarification on UE handling when performing operations on multiple RPs Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1365 - A 5G\_V2X\_NRSL-Core

[R2-2208281](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208281.zip) User plane corrections on NR Sidelink enhancements LG Electronics France CR Rel-17 38.321 17.1.0 1379 - F 5G\_V2X\_NRSL-Core Late

[R2-2208352](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208352.zip) Discussion on UL skipping and SL BSR ASUSTeK discussion Rel-16 38.321 5G\_V2X\_NRSL-Core

[R2-2208353](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208353.zip) Corrections on UL skipping and SL BSR ASUSTeK CR Rel-16 38.321 16.9.0 1380 - F 5G\_V2X\_NRSL-Core

[R2-2208354](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208354.zip) Corrections on UL skipping and SL BSR ASUSTeK CR Rel-17 38.321 17.1.0 1381 - A 5G\_V2X\_NRSL-Core

## 5.3 NR Positioning Support

(NR\_newRAT-Core; leading WG: RAN1; REL-15; started: Mar. 17; closed: Jun. 19: WID: RP-191971)

(NR\_pos-Core; leading WG: RAN1; REL-16; started: Mar 19; target; Jun 20; WID: RP-200218).

(NR TEI16 Positioning)

Documents in this agenda item will be handled by email. No web conference is planned for this agenda item.

### 5.3.1 General and Stage 2 corrections

Including incoming LSs, Including impact to 36.305 and 38.305. Stage 2 corrections shall be discussed with the specification rapporteur (Sven Fischer sfischer@qti.qualcomm.com) before submission. Stage 2 CRs not discussed with the specification rapporteur will not be treated.

This agenda item may use a summary document (decision to be made based on submitted tdocs).

[R2-2207108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207108.zip) Correction on the description of deferred MT-LR CATT CR Rel-16 38.305 16.7.0 0101 - F NR\_pos-Core

[R2-2207109](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207109.zip) Correction on the description of deferred MT-LR CATT CR Rel-17 38.305 17.1.0 0102 - A NR\_pos-Core

### 5.3.2 RRC corrections

Including impact to 36.331, 38.331, and 38.306.

[R2-2207408](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207408.zip) Change request about Periodicity in SRSp configuration vivo CR Rel-16 38.331 16.9.0 3259 - D NR\_pos-Core

[R2-2207561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207561.zip) Change request about Periodicity in SRSp configuration vivo CR Rel-17 38.331 17.1.0 3283 - A NR\_pos\_enh-Core

[R2-2207873](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207873.zip) Correction for SRS-PeriodicityAndOffset-R16 Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3320 - F NR\_pos-Core

[R2-2207874](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207874.zip) Correction for SRS-PeriodicityAndOffset-R17 Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3321 - A NR\_pos-Core

[R2-2207875](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207875.zip) Correction for the capability of SRS-PeriodicityAndOffset-R16 Huawei, HiSilicon CR Rel-16 38.306 16.9.0 0780 - F NR\_pos-Core

[R2-2207876](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207876.zip) Correction for the capability of SRS-PeriodicityAndOffset-R17 Huawei, HiSilicon CR Rel-17 38.306 17.1.0 0781 - A NR\_pos-Core

### 5.3.3 LPP corrections

[R2-2207103](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207103.zip) Minor corrections on TS 37.355 CATT CR Rel-16 37.355 16.8.0 0355 - F NR\_pos-Core

[R2-2207104](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207104.zip) Minor corrections on TS 37.355 CATT CR Rel-17 37.355 17.1.0 0356 - A NR\_pos-Core

[R2-2207870](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207870.zip) Correction to need code in posSIB\_R17 Huawei, HiSilicon CR Rel-17 37.355 17.1.0 0366 - A NR\_newRAT-Core

[R2-2207871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207871.zip) Correction to need code in posSIB\_R16 Huawei, HiSilicon CR Rel-16 37.355 16.8.0 0367 - A NR\_newRAT-Core

[R2-2207872](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207872.zip) Correction to need code in posSIB\_R15 Huawei, HiSilicon CR Rel-15 37.355 15.3.0 0368 - F NR\_newRAT-Core

[R2-2208069](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208069.zip) Correction of TRP beam information field descriptions for UEB DL-AoD Ericsson discussion Rel-16 37.355

[R2-2208070](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208070.zip) Clarification on NR-DL-PRS-ResourcesCapability Ericsson CR Rel-16 37.355 16.8.0 0372 - F NR\_pos-Core

[R2-2208071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208071.zip) Clarification on NR-DL-PRS-ResourcesCapability Ericsson CR Rel-17 37.355 17.1.0 0373 - A NR\_pos\_enh-Core

[R2-2208119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208119.zip) Issues with DL-PRS Search Window Definitions Qualcomm Incorporated discussion

[R2-2208121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208121.zip) Correction to DL-PRS Search Window calculation Qualcomm Incorporated CR Rel-16 37.355 16.8.0 0375 - F NR\_pos-Core

[R2-2208123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208123.zip) Correction to DL-PRS Search Window calculation Qualcomm Incorporated CR Rel-17 37.355 17.1.0 0376 - A NR\_pos-Core

### 5.3.4 MAC corrections

## 5.4 SON MDT support for NR

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: RP-191776).

### 5.4.1 General and stage-2 corrections

Including incoming LSs, TS 37.320 corrections

### 5.4.2 TS 38.314 corrections

### 5.4.3 RRC corrections

[R2-2207527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207527.zip) Corrections to SON/MDT capabilities Lenovo CR Rel-16 38.306 16.9.0 0675 2 F NR\_SON\_MDT-Core R2-2204548

[R2-2207528](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207528.zip) Corrections to SON/MDT capabilities Lenovo CR Rel-17 38.306 17.1.0 0699 1 A NR\_SON\_MDT-Core R2-2204549

[R2-2207942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207942.zip) Discussion on UE behaviours of delay measurements upon MO updates Huawei, HiSilicon discussion Rel-16 NR\_SON\_MDT-Core

[R2-2207943](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207943.zip) CR on UE behaviours of delay measurements upon MO updates Huawei, HiSilicon CR Rel-16 38.331 16.9.0 3330 - F NR\_SON\_MDT-Core

[R2-2207944](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207944.zip) CR on UE behaviours of delay measurements upon MO updates Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3331 - A NR\_SON\_MDT-Core

[R2-2208169](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208169.zip) On DAPS handover failure handling Ericsson CR Rel-16 38.331 16.9.0 3368 - F NR\_SON\_MDT-Core

[R2-2208170](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208170.zip) On RLF cause determination when RLF occurs due to T312 expiry Ericsson CR Rel-16 38.331 16.9.0 3369 - F NR\_SON\_MDT-Core

[R2-2208171](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208171.zip) On RLF cause determination when RLF occurs due to T312 expiry Ericsson CR Rel-17 38.331 17.1.0 3370 - A NR\_SON\_MDT-Core

[R2-2208172](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208172.zip) On ObtainCommonLocation related configuration Ericsson CR Rel-16 38.331 16.9.0 3371 - F NR\_SON\_MDT-Core

[R2-2208173](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208173.zip) On ObtainCommonLocation related configuration Ericsson CR Rel-17 38.331 17.1.0 3372 - A NR\_SON\_MDT-Core

[R2-2208174](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208174.zip) On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-16 38.331 16.9.0 3373 - F NR\_SON\_MDT-Core

[R2-2208175](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208175.zip) On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-17 38.331 17.1.0 3374 - A NR\_SON\_MDT-Core

[R2-2208373](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208373.zip) Discrepancy on inclusion of reconnectCellId Samsung Electronics Co., Ltd discussion Rel-16 38.331 NR\_SON\_MDT-Core R2-2205760

# 6 NR Rel-17

## 6.0 General

These AIs includes Aspects that does not fit under other morre specific AIs, multi-WI aspects,

### 6.0.1 RRC

Including general or multi-WI aspects, if any

Offline

* [AT119-e][013][NR17] RRC I (Ericsson)

Scope: Treat [R2-2207776](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207776.zip), [R2-2208654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208654.zip), [R2-2207267](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207267.zip), [R2-2207002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207002.zip), [R2-2207006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207006.zip), [R2-2207013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207013.zip), [R2-2208141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208141.zip) (if available), and [R2-2208133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208133.zip) (MINT in [6.24.3])

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, LS out if applicable

Deadline: Schedule 1

MBS, TEI

[R2-2207776](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207776.zip) UE handling of cell-specific parameters provided in dedicated signalling Huawei, HiSilicon discussion Rel-17 TEI17, NR\_MBS\_enh-Core

RedCap

[R2-2208654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208654.zip) Correction on UERadioPagingInformation and UERadioPagingInfo container Ericsson CR Rel-17 38.331 17.1.0 3460 - F NR\_newRAT-Core, NR\_redcap-Core

DCCA, FeMIMO

[R2-2207267](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207267.zip) Unified TCI state with deactivated SCG Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core, NR\_FeMIMO-Core

RNA update

[R2-2207002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207002.zip) Corrections to initiation upon reception of RAN paging and T380 Expiry Samsung Electronics Co., Ltd draftCR Rel-17 38.331 17.1.0 NR\_newRAT-Core, NR\_SmallData\_INACTIVE-Core

MsgA PUSCH resource release

[R2-2207006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207006.zip) MsgA PUSCH resource release upon T304 expiry for SCG Samsung Electronics Co., Ltd draftCR Rel-17 38.331 17.1.0 NR\_newRAT-Core

SDT MBS

[R2-2207013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207013.zip) Corrections to MBS paging monitoring during the SDT procedure Samsung Electronics Co., Ltd draftCR Rel-17 38.331 17.1.0 NR\_SmallData\_INACTIVE-Core, NR\_MBS-Core

Miscellaneous

[R2-2208141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208141.zip) Miscellaneous non-controversial corrections Set XV Ericsson CR Rel-17 38.331 17.1.0 3362 - F NR\_newRAT-Core Late

### 6.0.2 UE capabilities

Feature lists from other groups and UE cap Mega CRs will be treated under this AI. Specific issues may be reallocated to WI-specific AIs.

Offline

* [AT119-e][014][NR17] UE caps Main (Intel)

Scope: Treat [R2-2206957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206957.zip), [R2-2206971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206971.zip), [R2-2207276](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207276.zip), [R2-2207277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207277.zip), [R2-2207962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207962.zip), [R2-2207849](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207849.zip), [R2-2207971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207971.zip), [R2-2207972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207972.zip), [R2-2208507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208507.zip), [R2-2208508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208508.zip), [R2-2208509](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208509.zip). Take into account ALL relevant incoming LSes. Determine agreeable parts and capture in CRs. Merge WI specific R17 UE caps draft CRs, endorsed in the Wi specific sessions.

Intended outcome: Report, UE caps Mega CRs (agreed in the end), LS out if applicable

Deadlines: Acc to Rapporteur. Online CB if needed. If needed, additional optional session W3 can be used.

LS in

[R2-2206957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206957.zip) LS on Rel-17 RAN4 UE feature list for NR (R4-2211190; contact: CMCC) RAN4 LS in Rel-17 To:RAN2 Cc:RAN1

[R2-2206971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206971.zip) LS on updated Rel-17 RAN1 UE features list for NR (R1-2205609; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_pos\_enh, NR\_redcap, NR\_UE\_pow\_sav\_enh, NR\_cov\_enh, NR\_IAB\_enh, NR\_SL\_enh, NR\_MBS, NR\_DSS, LTE\_NR\_DC\_enh2, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_SmallData\_INACTIVE, TEI17, NR\_newRAT To:RAN2 Cc:RAN4

CRs

[R2-2207276](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207276.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.306) Intel Corporation CR Rel-17 38.306 17.1.0 0764 - B NR\_MBS-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_SL\_enh-Core, NR\_FeMIMO-Core, NR\_cov\_enh-Core, NR\_DL1024QAM\_FR1, NR\_HST\_FR2, NR\_HST\_FR1\_enh, NR\_BCS4-Core, NR\_FR2\_FWA\_Bn257\_Bn258-Core, NR\_SAR\_PC2\_interB\_SUL\_2BUL, NR\_MG\_enh-Core, NR\_ext\_to\_71GHz-Core, NG\_RAN\_PRN\_enh-Core, NR\_QoE-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_SL\_relay-Core, NR\_SmallData\_INACTIVE, LTE\_NR\_MUSIM-Core, NR\_RF\_FR1\_enh, NR\_UDC-Core, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core, NR\_DSS-Core

[R2-2207277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207277.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.331) Intel Corporation CR Rel-17 38.331 17.1.0 3244 - B NR\_MBS-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_SL\_enh-Core, NR\_FeMIMO-Core, NR\_cov\_enh-Core, NR\_DL1024QAM\_FR1, NR\_HST\_FR2, NR\_HST\_FR1\_enh, NR\_BCS4-Core, NR\_FR2\_FWA\_Bn257\_Bn258-Core, NR\_SAR\_PC2\_interB\_SUL\_2BUL, NR\_MG\_enh-Core, NR\_ext\_to\_71GHz-Core, NG\_RAN\_PRN\_enh-Core, NR\_QoE-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_SL\_relay-Core, NR\_SmallData\_INACTIVE, LTE\_NR\_MUSIM-Core, NR\_RF\_FR1\_enh, NR\_UDC-Core, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core, NR\_DSS-Core

[R2-2207962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207962.zip) Capturing one shot large UL timing adjustment Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0783 - B NR\_HST\_FR2\_enh-Core

[R2-2207849](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207849.zip) Editorial corrections on UE capabilities Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0779 - F NR\_IIOT\_URLLC\_enh, LTE\_NR\_DC\_enh2, NR\_FeMIMO-Core, LTE\_NR\_DC\_enh2-Core, NR\_IAB\_enh-Core, NR\_RF\_FR2\_req\_enh2-Core, NR\_MG\_enh-Core, NR\_pos\_enh, NR\_cov\_enh2-Core

[R2-2207971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207971.zip) Corrections to UE capabilities Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0784 - F NR\_FeMIMO-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_NTN\_solutions-Core, NR\_MG\_enh-Core

[R2-2207972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207972.zip) Corrections on UE capabilities Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3339 - F NR\_NTN\_solutions-Core

**Positioning**

[R2-2208507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208507.zip) Discussion on positioning SRS transmission capability Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2208508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208508.zip) Correction on positioning SRS transmission capability Huawei, HiSilicon CR Rel-17 38.306 17.1.0 0793 - F NR\_pos\_enh-Core

[R2-2208509](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208509.zip) Correction on positioning SRS transmission capability Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3431 - F NR\_pos\_enh-Core

### 6.0.3 User Plane related aspects

E.g. cross WI coordination on MAC CEs.

This AI will be handled in a break-out session.

Withdrawn

R2-2207040 Correction to SR transmission with overlapping PUSCH Qualcomm Incorporated discussion Rel-17 Withdrawn

### 6.0.4 Other

E.g. Gaps Coordination etc

Stage-2 General

Offline

* [AT119-e][035][NR17] 38300 Miscellaneous Corrections (Nokia)

Scope: Rapporteur Miscellaneous Corrections CR for Rel-17

Intended outcome: Agreed CR

Deadline: EOM (offline only, if possible)

Gap Coordination

Online Thu Aug18

[R2-2206949](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206949.zip) LS reply on coordination of R17 gap features (R4-2210624; contact: MediaTek) RAN4 LS in Rel-17 NR\_MG\_enh-Core, LTE\_NR\_MUSIM-Core, NR\_pos\_enh-Core, NR\_NTN\_solutions-Core To:RAN2 Cc:RAN1

*Moved from 6.0.2*

* Noted

[R2-2208497](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208497.zip) Discussion on Gap Coordination MediaTek Inc. discussion

* Noted

[R2-2208623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208623.zip) Gaps coordination Ericsson discussion Rel-17

* Noted

[R2-2207235](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207235.zip) Leftover Issues for Gap Coordination OPPO discussion Rel-17 NR\_MG\_enh-Core, LTE\_NR\_MUSIM-Core, NR\_pos\_enh-Core, NR\_NTN\_solutions-Core

* Noted

DISCUSSION on the 3 docs above

* VDF think this need to be in stage-3.
* ZTE think we don’t need to clarify, think this situation is already in the TS. HW agrees, as R4 stated that there is no requirement. The network could still choose to do this, so prefer not to specify. VDF wonder if there then are some max numbers. HW confirm there are no max numbers for joint.
* Vivo support option 2 (in some TS). Apple slighty prefer option 2, think the UE will not know which to prioritize.
* QC understands that R4 may provide requirements for a later release. Support Option 2
* Samsung think several aspects need to be considered if to do joint config so safer to not allow this for now.
* Nokia wonder if the UE can reject the configuration. MTK think that we would specify that the network shall not. Ericsson think that UE caps shall regulate what the UE supports.
* Clarify in a TS that MUSIM gap, ePOS gap, and concurrent gaps are not configured together (in this rel)

*Chair: Continue offline*

* [AT119-e][015][NR17] Gap Coordination (MediaTek)

Scope: Take online agreement into account, determine where to capture, and reflect this in a CR. Treat remaining tdoc/proposals, if anything agreeable, reflect in CR

Intended outcome: Report, Agreed CR(s)

Deadline: EOM (offline only, if possible)

[R2-2207147](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207147.zip) Discussion on gaps coordination Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

[R2-2207236](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207236.zip) Corrections on Gap Activation Limitation OPPO CR Rel-17 38.300 17.1.0 0507 - F NR\_MG\_enh-Core, LTE\_NR\_MUSIM-Core, NR\_pos\_enh-Core, NR\_NTN\_solutions-Core

Other

Wait for R1/R4

[R2-2208472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208472.zip) Discussion on BWP operation without BW restrictions (FG6-1a) MediaTek Inc. discussion

## 6.1 NR Multicast

(NR\_MBS-Core; leading WG: RAN2; REL-17; WID: RP-201038)

Tdoc Limitation: 5 tdocs

It is encouraged to contribute with draft CRs or provide TP(s) for the affected specifications in the Annex of the contribution to facilitate the inclusion in the rapporteur CR.

### 6.1.1 Organizational and Stage-2

LS ins. CR Rapporteurs baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur before/instead of submitting a separate Tdoc.

Impact to stage-2 TS, and discussions on system level issues that need resolution, if any.

[R2-2206910](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206910.zip) Reply LS on HARQ process for MCCH and Broadcast MTCH(s) (R1-2205215; contact: BBC) RAN1 LS in Rel-17 NR\_MBS To:RAN2

[R2-2206912](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206912.zip) LS on TCI indication in multicast DCI (R1-2205369; contact: CMCC) RAN1 LS in Rel-17 NR\_MBS To:RAN2

[R2-2206977](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206977.zip) Reply LS on the MBS broadcast service continuity and MBS session identification (S4-220827; contact: Qualcomm) SA4 LS in Rel-17 NR\_MBS-Core, 5MBP3 To:RAN2 Cc:RAN3, SA2

[R2-2207031](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207031.zip) Miscellaneous corrections to TS 38.300 on NR MBS CATT CR Rel-17 38.300 17.1.0 0493 - F NR\_MBS-Core

[R2-2207038](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207038.zip) Response to SA4 LS for MBS user service parameters Samsung discussion Rel-17

[R2-2207222](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207222.zip) Correction on MBS Interest Indication vivo CR Rel-17 38.300 17.1.0 0503 - F NR\_MBS-Core

[R2-2207223](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207223.zip) Correction on Layer 2 Architecture for Broadcast vivo CR Rel-17 38.300 17.1.0 0504 - F NR\_MBS-Core

[R2-2207590](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207590.zip) Rapporteur corrections on RRC Huawei, CATT, HiSilicon CR Rel-17 38.331 17.1.0 3289 - F NR\_MBS-Core

[R2-2207813](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207813.zip) Miscellaneous corrections for MBS 38.323 Xiaomi CR Rel-17 38.323 17.1.0 0098 - F NR\_MBS-Core

[R2-2208086](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208086.zip) Clarification of group paging Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2208181](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208181.zip) Stage2 corrections for NR MBS Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.1.0 0530 - F NR\_MBS-Core

[R2-2208437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208437.zip) Corrections on MBS CMCC, Huaiwei CR Rel-17 38.300 17.1.0 0540 - F NR\_MBS-Core

[R2-2208635](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208635.zip) Discussion about SA4 LS on USD content with draft LS back ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

### 6.1.2 RRC corrections

[R2-2207032](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207032.zip) Corrections related to MBS Interest Indication CATT CR Rel-17 38.331 17.1.0 3208 - F NR\_MBS-Core

[R2-2207033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207033.zip) Corrections on Broadcast Configuration CATT, CBN CR Rel-17 38.331 17.1.0 3209 - F NR\_MBS-Core

[R2-2207034](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207034.zip) Corrections on multicast MRB handling CATT CR Rel-17 38.331 17.1.0 3210 - F NR\_MBS-Core

[R2-2207035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207035.zip) Miscellaneous Corrections to TS 38.331 CATT CR Rel-17 38.331 17.1.0 3211 - F NR\_MBS-Core

[R2-2207039](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207039.zip) RRC Corrections for MBS Samsung discussion Rel-17 38.331

[R2-2207225](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207225.zip) Clarification on LCH Reassociation vivo discussion Rel-17 NR\_MBS-Core

[R2-2207555](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207555.zip) TMGI handling Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3287 - F NR\_MBS-Core

[R2-2207591](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207591.zip) Clarfication on the early configuration of MBS broadcast search space Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2207592](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207592.zip) Discussion on decoding of the TMGI in MII Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2208084](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208084.zip) Broadcast sessions with the same MRB configuration Ericsson discussion Rel-17 NR\_MBS-Core

*(moved from 6.1.3)*

[R2-2208088](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2208088.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208088.zip) MII signalling when SIB21 is absent Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2208095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208095.zip) Multicast-specific PUCCH-Config when multicast feedback is not configured with a priority value Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3354 - F NR\_MBS-Core

[R2-2208589](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208589.zip) Counter Check Procedure for Multicast Samsung discussion Rel-17 NR\_MBS-Core

[R2-2208639](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208639.zip) Miscellaneous CR to TS 38.331 on NR MBS ZTE, Sanechips CR Rel-17 38.331 17.1.0 3457 - F NR\_MBS-Core

### 6.1.3 Other CP corrections

Including corrections to TS 38.304, features / UE caps developed in RAN2 (complementary to AI 6.0.2).

[R2-2207036](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207036.zip) 38.304 Corrections for MBS CATT, Nokia, Huawei, HiSilicon, CBN CR Rel-17 38.304 17.1.0 0256 - F NR\_MBS-Core

[R2-2207224](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207224.zip) Clarification on Group Paging for Inactive UE vivo discussion Rel-17 NR\_MBS-Core

[R2-2207554](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207554.zip) MBS prioritization with slice based reselection Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.1.0 0264 - F NR\_MBS-Core

*(moved from 6.1.2)*

[R2-2207562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207562.zip) Discussion on the maximum G-RNTI for MBS MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2207563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207563.zip) Discussion and correction on UE capabilities for MBS MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2207564](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207564.zip) Corrections on the maximum G-RNTI for MBS MediaTek inc. draftCR Rel-17 38.331 17.1.0 F NR\_MBS-Core

[R2-2207811](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207811.zip) Simultaneous PDSCH processing capability for MBS Xiaomi discussion Rel-17 NR\_MBS-Core R2-2206114

[R2-2207814](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207814.zip) Correction on the G-RNTI and G-CS-RNTI configuration Xiaomi draftCR Rel-17 38.331 17.1.0 F NR\_MBS-Core

[R2-2208085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208085.zip) Clarification of frequency prioritization for MBS broadcast Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2208087](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208087.zip) MBS and RedCap Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2208500](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208500.zip) Remaining MBS UE capability open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2208636](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208636.zip) On supported max number of G-RNTI for MBS broadcast ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

### 6.1.4 MAC corrections

[R2-2207046](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207046.zip) MAC Corrections for MBS Samsung discussion Rel-17 38.321

[R2-2207226](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207226.zip) Clarification on pdsch-AggregationFactor in NR MBS vivo CR Rel-17 38.321 17.1.0 1310 - F NR\_MBS-Core

[R2-2207470](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207470.zip) 38.321 CR Correction on the HARQ buffer flush for the MBS broadcast Beijing Xiaomi Software Tech draftCR Rel-17 38.321 17.1.0 F NR\_MBS-Core

[R2-2207593](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207593.zip) Clarification on retransmission and RTT timer maintenance Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2207594](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207594.zip) Further consideration on inactivity timers for unicast and multicast Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2207812](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207812.zip) HARQ process for MCCH and Broadcast MTCH(s) Xiaomi draftCR Rel-17 38.321 17.1.0 F NR\_MBS-Core

[R2-2208637](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208637.zip) Miscellaneous CR to TS 38.321 on NR MBS ZTE, Sanechips CR Rel-17 38.321 17.1.0 1395 - F NR\_MBS-Core

### 6.1.5 Other UP Corrections

Including corrections to PDCP, RLC and SDAP.

[R2-2207370](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207370.zip) PDCP related corrections for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

[R2-2207565](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207565.zip) PDCP corrections for MBS MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2207595](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207595.zip) PDCP state variables handling during multicast MRB suspend Huawei, Xiaomi, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2207692](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207692.zip) Misalignment between RRC and PDCP specs regarding multicastHFN-AndRefSN Lenovo discussion Rel-17

[R2-2208590](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208590.zip) Correction for Initial value of RX\_DELIV for Multicast Samsung discussion Rel-17 NR\_MBS-Core

[R2-2208638](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208638.zip) Miscellaneous CR to TS 38.323 on NR MBS ZTE, Sanechips CR Rel-17 38.323 17.1.0 0099 - F NR\_MBS-Core

## 6.2 MR DC CA further enhancements

(LTE\_NR\_DC\_enh2-Core; leading WG: RAN2; REL-17; WID: RP-201040)

Tdoc Limitation: 5 tdocs

No documents should be submitted to 6.2. Please submit to.6.2.x

Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications etc - please contact the Rapporteur before providing contributions on those aspects.

### 6.2.1 Organizational and Stage-2 corrections

Including LSs and any rapporteur inputs.

Including Stage-2 corrections related to DCCA WI.

[R2-2207319](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207319.zip) Rel-17 Stage-2 CPAC corrections Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.1.0 0334 - F LTE\_NR\_DC\_enh2-Core

[R2-2207741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207741.zip) Correction on CHO with MR-DC in TS 37.340 vivo CR Rel-17 37.340 17.1.0 0338 - F LTE\_NR\_DC\_enh2-Core

[R2-2208404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208404.zip) Corrections for DCCA enhancement ZTE Corporation (Rapporteur), Sanechips, Samsung CR Rel-17 37.340 17.1.0 0340 - F LTE\_NR\_DC\_enh2-Core

[R2-2208644](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208644.zip) Corrections for further MR-DC enhancements Huawei, HiSilicon CR Rel-18 38.331 17.1.0 3459 - F NR\_mob\_enh2-Core

[R2-2208645](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208645.zip) Corrections for further MR-DC enhancements Huawei, HiSilicon CR Rel-18 36.331 17.1.0 4867 - F NR\_mob\_enh2-Core

[R2-2208646](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208646.zip) Corrections for further MR-DC enhancements Huawei, HiSilicon draftCR Rel-18 37.340 17.1.0 F NR\_mob\_enh2-Core

### 6.2.2 Efficient activation deactivation mechanism for one SCG and SCells

No documents should be submitted to 6.2.2. Please submit to.6.2.2.x

#### 6.2.2.1 MAC PDCP corrections

Including essential corrections to SCG activation/deactivation for MAC/PDCP.

[R2-2207011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207011.zip) MIscellaneous Corrections for SCG activation\_deactivation Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.1.0 LTE\_NR\_DC\_enh2-Core

[R2-2207393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207393.zip) Discussion on MAC and PDCP Aspects CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207541.zip) Clarification on BFD while PSCell is deactivated Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1322 - F LTE\_NR\_DC\_enh2-Core

[R2-2207852](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207852.zip) Correction of BFD procedure for deactivated PSCell Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207853](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207853.zip) CR related to BFD mechanism for deactivated PSCell Sharp CR Rel-17 38.321 17.1.0 1355 - F LTE\_NR\_DC\_enh2-Core

[R2-2207854](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207854.zip) Remaining issues for BWP operation in deactivated SCG Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207855](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207855.zip) CR on 38.321 for Remaining issues for BWP handling in deactivated SCG Sharp CR Rel-17 38.321 17.1.0 1356 - F LTE\_NR\_DC\_enh2-Core

[R2-2207966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207966.zip) [E129] Stop/resume BFD at beam failure for deactivated SCG Ericsson discussion R2-2205797

[R2-2208465](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208465.zip) Correction for activation/deactivation of SCells Xiaomi draftCR Rel-17 38.321 17.1.0 LTE\_NR\_DC\_enh2-Core

[R2-2208650](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208650.zip) Correction on SCG deactivation Huawei, HiSilicon CR Rel-18 38.321 17.1.0 1396 - F NR\_mob\_enh2-Core

#### 6.2.2.2 RRC corrections

Including essential corrections to SCG activation/deactivation for RRC and related UE capabilities.

[R2-2207305](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207305.zip) BFD with two BFD-RS sets on deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2207306](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207306.zip) [E131] Handling of UAI for deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2207394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207394.zip) Corrections on scg-State CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207395](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207395.zip) Discussion on RRC Aspects for SCG Activation and Deactivation CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2208286](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208286.zip) UAI transmission in SCG deactivation Sharp discussion

[R2-2208405](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208405.zip) CR on SCG failure type ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3418 - F LTE\_NR\_DC\_enh2-Core

[R2-2208648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208648.zip) SCG state in the MCG fast recovery Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208651.zip) UE assistance information while the SCG is deactivated Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

### 6.2.3 Conditional PSCell change addition

No documents should be submitted to 6.2.2. Please submit to.6.2.2.x

#### 6.2.3.1 Corrections to CPAC network aspects

Including essential corrections to of CPAC on network aspects (e.g. network communication via inter-node messages) handled by RAN2 and any aspects that require RAN3 interaction.

[R2-2207320](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207320.zip) Rel-17 CPAC corrections to NR 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3246 - F LTE\_NR\_DC\_enh2-Core

[R2-2207321](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207321.zip) On SN-MN awareness of conditional reconfiguration's validity or execution Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207494.zip) Clarifications on prepared PSCell addition by candidate SN NEC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207495](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207495.zip) Clarifications on prepared PSCell addition by candidate SN in CPC NEC CR Rel-17 37.340 17.1.0 0335 - F LTE\_NR\_DC\_enh2-Core

[R2-2207636](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207636.zip) On co-existence of MN and SN initiated conditional reconfiguration Lenovo, ZTE Corporation, Sanechips, CATT CR Rel-17 37.340 17.1.0 0336 - F LTE\_NR\_DC\_enh2-Core

[R2-2207639](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207639.zip) On maximum number of SN initiated conditional reconfigurations Lenovo, ZTE Corporation, Sanechips, CATT CR Rel-17 38.331 17.1.0 3300 - F LTE\_NR\_DC\_enh2-Core

[R2-2207728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207728.zip) Outstanding issue for CPC Ericsson discussion Rel-16 LTE\_NR\_DC\_enh2-Core

[R2-2207740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207740.zip) Discussion on release of conditional configuration vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

#### 6.2.3.2 Corrections to CPAC UE signalling

Including essential corrections to CPAC that relate to RRC signalling between network and UE and related UE capabilities.

Including essential corrections to CHO + MR-DC (done as part of TEI17).

Including report of email discussion [Post118-e][227][DCCA] Resolving E022 and E023 for CPAC (Huawei)

[R2-2207396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207396.zip) Discussion on Conditional Reconfiguration for CPAC and CHO CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207397](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207397.zip) Discussion on CHO with SCG CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207462.zip) Discussion on handling of simultaneous configuration of R16 and R17 CPC Apple discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2207463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207463.zip) CR for handling R16 CPC with R17 CPA/CPC Apple CR Rel-17 38.331 17.1.0 3266 - F LTE\_NR\_DC\_enh2-Core

[R2-2207727](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207727.zip) Introduction of signaling flows for CHO+MR-DC Ericsson CR Rel-17 37.340 17.1.0 0337 - B LTE\_NR\_DC\_enh2-Core

[R2-2208406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208406.zip) Discussion on conditional reconfiguration release ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2208407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208407.zip) CR on conditional reconfiguration release ZTE Corporation, Sanechips CR Rel-17 36.331 17.1.0 4858 - F LTE\_NR\_DC\_enh2-Core

[R2-2208408](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208408.zip) CR on conditional reconfiguration release ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3419 - F LTE\_NR\_DC\_enh2-Core

[R2-2208647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208647.zip) [Post118-e][227][DCCA] Resolving E022 and E023 for CPAC (Huawei) Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208649.zip) Triggering of multiple cells for conditional reconfiguration execution Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

### 6.2.4 Temporary RS for SCell activation

Including essential corrections to of temporary RS for SCell activation..

[R2-2207542](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207542.zip) Corrections MAC regarding TRS activation Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1323 - F LTE\_NR\_DC\_enh2-Core

[R2-2207788](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207788.zip) Correction to TRS for fast SCell activation vivo CR Rel-17 38.321 17.1.0 1340 - F LTE\_NR\_DC\_enh2

## 6.3 Multi SIM

(LTE\_NR\_MUSIM-Core; leading WG: RAN2; REL-17; WID: RP-212610)

Tdoc Limitation: 3 tdocs

Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications etc - please contact the Rapporteur before providing contributions on those aspects.

### 6.3.1 Organizational

Including LSs and any rapporteur inputs (e.g. from ASN.1 ad-hoc meeting).

[R2-2208000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208000.zip) Correction on MUSIM related changes Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.1.0 0522 - F LTE\_NR\_MUSIM-Core

[R2-2208033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208033.zip) Update to gap handling for Multi-USIM (38.300) Ericsson CR Rel-17 38.300 17.1.0 0526 - F LTE\_NR\_MUSIM-Core

[R2-2208461](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208461.zip) Correction of NR RRC support for MUSIM vivo CR Rel-17 38.331 17.1.0 3422 - F LTE\_NR\_MUSIM-Core

[R2-2208462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208462.zip) corrections on RACH procedure during MUSIM gaps vivo CR Rel-17 38.321 17.1.0 1386 - F LTE\_NR\_MUSIM-Core

### 6.3.2 Paging collision avoidance and paging with service indication

Including essential corrections to paging collision avoidance and paging with service indication and related UE capabilities.

### 6.3.3 NW switching for multi-SIM with or without leaving RRC\_CONNECTED

Including essential corrections to procedures for NW switching for multi-SIM with or without leaving RRC\_CONNECTED and related UE capabilities.

[R2-2207164](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207164.zip) CR on the Gap Numbers Restriction ZTE Corporation, Sanechips CR Rel-17 38.300 17.1.0 0500 - F LTE\_NR\_MUSIM-Core

[R2-2207165](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207165.zip) CR on the MUSIM-GapInfo ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3225 - F LTE\_NR\_MUSIM-Core

[R2-2207166](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207166.zip) Further Clarification on the Waiting Timer for Leaving Connected State ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2207231](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207231.zip) Corrections on NW Switching for Multi-SIM with or without Leaving RRC\_CONNECTED\_38.300 OPPO CR Rel-17 38.300 17.1.0 0506 - F LTE\_NR\_MUSIM-Core

[R2-2207232](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207232.zip) Corrections on NW Switching for Multi-SIM with or without Leaving RRC\_CONNECTED\_38.331 OPPO CR Rel-17 38.331 17.1.0 3236 - F LTE\_NR\_MUSIM-Core

[R2-2207238](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207238.zip) Corrections on Capability for MUSIM UE OPPO CR Rel-17 38.306 17.1.0 0763 - F LTE\_NR\_MUSIM-Core

[R2-2207505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207505.zip) Discussion on handling of aperiodic MUSIM gap Huawei, HiSilicon discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2207670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207670.zip) Support eDRX in Multi-SIM scenario Spreadtrum Communications discussion Rel-17

[R2-2207958](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207958.zip) Corrections to MUSIM gaps Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3335 - F LTE\_NR\_MUSIM-Core

[R2-2207961](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207961.zip) Discussion on the MUSIM gap release during RRC reestablishment Huawei, HiSilicon discussion Rel-17

[R2-2207987](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207987.zip) Applicability of otherConfig MUSIM IEs for SRB3 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3342 - F LTE\_NR\_MUSIM-Core

[R2-2207994](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207994.zip) Clarification for MUSIM Assistance Information in DC for reconfiguration with Sync Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3343 - F LTE\_NR\_MUSIM-Core

[R2-2208029](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208029.zip) Correction to musim-GapLength Ericsson CR Rel-17 38.331 17.1.0 3344 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2208030](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208030.zip) Mac updates for MUSIM Ericsson discussion

[R2-2208032](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208032.zip) Discussion on gap length IE optionality Ericsson discussion

[R2-2208035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208035.zip) On Remaining Issues ofr MUSIM Switching Procedures Nokia, Nokia Shanghai Bell discussion Rel-18

=> Revised in [R2-2208683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208683.zip)

[R2-2208683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208683.zip) On Remaining Issues ofr MUSIM Switching Procedures Nokia, Nokia Shanghai Bell discussion Rel-17

[R2-2208344](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208344.zip) Clarification on performing MUSIM gap configuration procedure Samsung Electronics Co., Ltd discussion Rel-17 38.331 LTE\_NR\_MUSIM-Core

[R2-2208369](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208369.zip) Further discussion on re-establishment handling while T346g timer is running Samsung Electronics Co., Ltd discussion Rel-17 38.331 LTE\_NR\_MUSIM-Core

[R2-2208470](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208470.zip) UE MAC operations during MUSIM gaps Samsung R&D Institute India discussion

[R2-2208496](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208496.zip) Correction on MUSIM gap configuration MediaTek Inc. CR Rel-17 38.331 17.1.0 3428 - F LTE\_NR\_MUSIM-Core

## 6.4 NR IAB enhancements

(NR\_IAB\_enh-Core; leading WG: RAN2; REL-17; WID: RP-211548)

Time budget: NA

Tdoc Limitation: 3 tdocs

### 6.4.1 Organizational and Stage-2

LS ins. CR Rapporteurs baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur. Impact to stage-2 TS, and discussions on system level issues that need resolution if any

* [AT119-e][016][IAB17] Stage-2 (vivo)

Scope: Treat [R2-2207784](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207784.zip), [R2-2208463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208463.zip), [R2-2208604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208604.zip), [R2-2208643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208643.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs,

Deadline: Schedule 1

Stage-2

[R2-2207784](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207784.zip) Corrections on the terminology of F1-terminating IAB-donor Huawei, HiSilicon CR Rel-17 37.340 17.1.0 0339 - F NR\_IAB\_enh-Core

[R2-2208463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208463.zip) Miscilaneous Corrections to 37340 vivo CR Rel-17 37.340 17.1.0 0343 - F NR\_IAB\_enh-Core

[R2-2208604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208604.zip) Removing F1-termination node in F1-C transfer procedure Samsung Electronics Romania draftCR Rel-17 37.340 17.1.0 F NR\_IAB\_enh-Core

[R2-2208643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208643.zip) Corrections on F1-C transfer Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.1.0 0344 - F NR\_IAB\_enh-Core

### 6.4.2 Control Plane

* [AT119-e][017][IAB17] Control Plane (Ericsson)

Scope: Treat [R2-2206929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206929.zip), [R2-2206935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206935.zip), [R2-2207190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207190.zip), [R2-2207783](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207783.zip), [R2-2208642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208642.zip), [R2-2208101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208101.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs, Reply LS if applicable

Deadline: Schedule 1

LS in

[R2-2206929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206929.zip) LS on upper layers parameters for Rel-17 eIAB (R1-2205644; contact: AT&T) RAN1 LS in Rel-17 NR\_IAB\_enh-Core To:RAN2, RAN3

[R2-2206935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206935.zip) LS on range of power control parameters for eIAB (R4-2210642; contact: Samsung) RAN4 LS in Rel-17 NR\_IAB\_enh To:RAN1 Cc:RAN2

RRC

[R2-2207190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207190.zip) Correction on the release of BAP config ZTE, Sanechips CR Rel-17 38.331 17.1.0 3231 - F NR\_IAB\_enh-Core

[R2-2207783](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207783.zip) Corrections on availabilityCombinations and IAB-ResourceConfig for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3314 - F NR\_IAB\_enh-Core

[R2-2208642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208642.zip) Corrections to the AI index configuration Ericsson CR Rel-17 38.331 17.1.0 3458 - F NR\_IAB\_enh-Core

[R2-2208101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208101.zip) Rapporteur Miscellaneous RRC Corrections Ericsson CR Rel-17 38.331 17.1.0 3355 - F NR\_IAB\_enh-Core

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### 6.4.3 User Plane

MAC

Online first

* [AT119-e][018][IAB17] MAC (Samsung)

Scope: Await online, Take into account online progress. Treat remaining parts R2-2208907, [R2-2207188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207188.zip), [R2-2207625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207625.zip), [R2-2207782](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207782.zip), [R2-2208100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208100.zip), [R2-2208102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208102.zip),

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2208907 Proposal for handling of submissions to AI 6.4.3 - eIAB MAC corrections (Samsung) Samsung discussion Rel-17 NR\_IAB\_enh-Core

P1

* Ericsson are ok with current handling
* ZTE think the current design brings overhead.
* QC think the MAC CEs do the job, maybe not efficiently, but ok. Can evaluate offline
* Huawei think the intention is correct. Can think about it, but don’t want to change MAC CE format.
* Samsung would be fine either way
* Chair: ZTE proposes an efficiency enhancement. There seems to be some support Can keep it on the table, but there is opposition to change MAC CE format

P2

* Samsung think this is a clear error correction, but would require a format change.
* Huawei could accept format change if there really is a an error to correct.
* Chair: companies need more checking, keep on table CB

P3

* Ericsson think R1 is discussing this. Samsung think this is a done deal, a field is missing due to R2 mistake.
* Chair: again companies need more checking, keep on table CB

P4

* Samsung think FDM is already covered by “non-overlapping resources”. Ericsson think R3 has an indicator separate for FDM. Samsung think then there is a difference of terminology between RAN1 and RAN3.
* Chair: We come back.

P5

* Chair: We come back

*Chair: Continue offline*

[R2-2207188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207188.zip) Corrections on IAB related MAC CEs ZTE, Sanechips CR Rel-17 38.321 17.1.0 1308 - F NR\_IAB\_enh-Core

[R2-2207625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207625.zip) Miscellaneous corrections to 38.321 on Integrated Access and Backhaul for NR Rel-17 Samsung R&D Institute UK CR Rel-17 38.321 17.1.0 1327 - F NR\_IAB\_enh-Core

[R2-2207782](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207782.zip) Corrections on the Desired Guard Symbol query and extended pre-BSR Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1339 - F NR\_IAB\_enh-Core

[R2-2208100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208100.zip) Corrections to multiplexing mode info definition Ericsson CR Rel-17 38.321 17.1.0 1369 - F NR\_IAB\_enh-Core

[R2-2208102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208102.zip) Miscellaneous MAC Corrections Ericsson CR Rel-17 38.321 17.1.0 1370 - F NR\_IAB\_enh-Core

BAP

* [AT119-e][019][IAB17] BAP (Huawei)

Scope: Treat [R2-2207701](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207701.zip), [R2-2207189](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207189.zip), [R2-2207402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207402.zip)

Determine agreeable parts, For agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2207781](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207781.zip) Miscellaneous corrections in TS 38.340 for eIAB Huawei, HiSilicon CR Rel-17 38.340 17.1.0 0029 - F NR\_IAB\_enh-Core

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[R2-2207189](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207189.zip) Miscellaneous corrections on IAB in TS38.340 ZTE, Sanechips CR Rel-17 38.340 17.1.0 0027 - F NR\_IAB\_enh-Core

[R2-2207402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207402.zip) Support SCG deactivation for IAB nodes and other miscellaneous corrections Fujitsu CR Rel-17 38.340 17.1.0 0028 - F NR\_IAB\_enh-Core

## 6.5 NR IIoT URLLC

(NR\_IIOT\_URLLC\_enh-Core; leading WG: RAN2; REL-17; WID: RP-210854)

Tdoc Limitation: 3 tdocs

### 6.5.1 Organizational

Including LSs, rapporteur correction CR, and any rapporteur inputs (e.g. from ASN.1 ad-hoc meeting).

[R2-2206922](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206922.zip) LS on Rel-17 URLLC/IIoT RRC parameter updates (R1-2205507; contact: Nokia) RAN1 LS in Rel-17 NR\_IIOT\_URLLC\_enh To:RAN2

[R2-2208012](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208012.zip) Correction on PUCCH sSCell for TDD Nokia, Nokia Shanghai Bell, Ericsson, Qualcomm, Samsung, ZTE Corporation CR Rel-17 38.300 17.1.0 0524 - F NR\_IIOT\_URLLC\_enh-Core

### 6.5.2 Control Plane

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed with contributions with CR in the appendix of the contribution

[R2-2208060](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208060.zip) Correction to the field description of usage-pdc Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3351 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2208556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208556.zip) CR on 38.331 for field description of PUCCH-Config for PUCCH Carrier Switch ZTE Corporation,Sanechips, Nokia, Nokia Shanghai Bell, Ericsson, Samsung, Qualcomm CR Rel-17 38.331 17.1.0 3440 - F NR\_IIOT\_URLLC\_enh-Core

### 6.5.3 User Plane

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed with contributions with CR in the appendix of the contribution

[R2-2207432](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207432.zip) Discussion on MAC layer operation at PUSCH cancellation Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2207433](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207433.zip) Draft CR for MAC layer operation at PUSCH cancellation Apple, Ericsson CR Rel-17 38.321 17.1.0 1316 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2207506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207506.zip) Consideration on CG-PUSCH cancellation for UCI -only case CATT discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2207507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207507.zip) Simultaneous transmission of SR and PUSCH over different PUCCH groups CATT CR Rel-17 38.321 17.1.0 1321 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2207796](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207796.zip) Issue on a CG transmission cancelled by a DG without UL-SCH OPPO discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208013.zip) MAC impact on PHY prioritization Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208014](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208014.zip) Correction on TB generated for UCI multiplexing Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1361 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2208061](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208061.zip) Discussion on deprioritized CG-PUSCH with UCI only TB Huawei, HiSilicon discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208062.zip) Discussion on simultaneous transmissions of SR and PUSCH Huawei, HiSilicon discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2208122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208122.zip) Open Issues in IIOT UP Qualcomm Incorporated discussion Rel-17

[R2-2208355](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208355.zip) Discussion on SR error handling on PUCCH Cells ASUSTeK discussion Rel-16 38.321 NR\_IIOT\_URLLC\_enh-Core

[R2-2208588](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208588.zip) Correction for De-prioritizatin of Overlapping Resources Samsung draftCR Rel-17 38.321 17.1.0 F NR\_IIOT\_URLLC\_enh-Core

## 6.6 Small Data enhancements

(NR\_SmallData\_INACTIVE-Core; leading WG: RAN2; REL-17; WID: RP-212594)

Tdoc Limitation: 3 tdocs

### 6.6.1 Organizational

Including LSs, rapporteur correction CR and any rapporteur inputs (e.g. from ASN.1 ad-hoc meeting).

[R2-2206907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206907.zip) Reply LS on Small Data Transmission (C1-224149; contact: Apple) CT1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2206931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206931.zip) LS on transferring SDT configuration and SRS positioning Inactive configuration from DU to CU (R3-223955; contact: Google) RAN3 LS in Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_pos\_enh To:RAN2

[R2-2206953](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206953.zip) Reply LS on TA validation for CG-SDT (R4-2211122; contact: ZTE) RAN4 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2207900](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207900.zip) Corrections on SDT Nokia, Nokia Shanghai Bell, Samsung CR Rel-17 38.300 17.1.0 0519 - F NR\_SmallData\_INACTIVE-Core

[R2-2207928](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207928.zip) Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1357 - F NR\_SmallData\_INACTIVE-Core

[R2-2207976](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207976.zip) draft reply LS on TA validation for CG-SDT ZTE Corporation, Sanechips LS out To:RAN4

[R2-2208596](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208596.zip) Discussion on RRC IEs in the RAN3 specification Google Inc. discussion Rel-17

### 6.6.2 User plane common aspects

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big critical issues can be discussed in a contribution with CR in the appendix of the contribution

[R2-2207001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207001.zip) cg-SDT-TimeAlignmentTimer Handling Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207004.zip) Issues for RA during CG-SDT procedure Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207359](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207359.zip) cg-SDT-TimeAlignmentTimer maintenance during 2-step RA Langbo CR Rel-17 38.321 17.1.0 1311 - F NR\_SmallData\_INACTIVE-Core

[R2-2207360](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207360.zip) cg-SDT-TimeAlignmentTimer handling for RA-SDT Langbo CR Rel-17 38.321 17.1.0 1312 - F NR\_SmallData\_INACTIVE-Core

[R2-2207416](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207416.zip) Analysis on remaining issues for SDT CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207571](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207571.zip) Correction on SSB selection for CG-SDT LG Electronics Inc. discussion NR\_SmallData\_INACTIVE-Core

[R2-2207572](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207572.zip) CR for correction on SSB selection for CG-SDT LG Electronics Inc. CR Rel-17 38.321 17.1.0 1325 - F NR\_SmallData\_INACTIVE-Core

[R2-2207573](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207573.zip) Clarification of Bj increment LG Electronics Inc. discussion NR\_SmallData\_INACTIVE-Core

[R2-2207815](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207815.zip) Correction on the stored RSRP for TA validation Xiaomi draftCR Rel-17 38.321 17.1.0 F NR\_SmallData\_INACTIVE-Core

[R2-2207901](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207901.zip) LCH restrictions at SDT mode selection Nokia, Nokia Shanghai Bell, Ericsson, Huawei, HiSilicon, LGE CR Rel-17 38.321 17.1.0 1351 - F NR\_SmallData\_INACTIVE-Core

[R2-2207902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207902.zip) MAC procedure issues Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1352 - F NR\_SmallData\_INACTIVE-Core

[R2-2207906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207906.zip) User plane issues for SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207929.zip) Text Proposal for RSRP-based TA validation Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207930.zip) TAT maintenance for CG-SDT when receiving TAC MAC CE Huawei, Ericsson, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208117](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208117.zip) LCH restrictions for CG-SDT Ericsson discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208266.zip) Correction on CG-SDT Transmisson vivo CR Rel-17 38.321 17.1.0 1377 - F NR\_SmallData\_INACTIVE-Core Late

[R2-2208356](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208356.zip) Correction on SR delay timer ASUSTeK discussion Rel-16 NR\_SmallData\_INACTIVE-Core

[R2-2208640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208640.zip) Discussion on UDC continuity in SDT China Telecom discussion

[R2-2208655](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208655.zip) CR for TS38.300 on Support of UDC in SDT China Telecom CR Rel-17 38.300 17.1.0 0545 - B NR\_SmallData\_INACTIVE-Core

[R2-2208656](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208656.zip) CR for TS38.331 on Support of UDC in SDT China Telecom CR Rel-17 38.331 17.1.0 3461 - B NR\_SmallData\_INACTIVE-Core

[R2-2208660](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208660.zip) Clarification on uci-onPUSCH for CG-SDT vivo CR Rel-17 38.331 17.1.0 3462 - F NR\_SmallData\_INACTIVE-Core

### 6.6.3 Control plane common aspects

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur.

Big critical issues can be discussed in a contribution with CR in the appendix of the contribution

[R2-2207003](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207003.zip) T319a synchronisation issue Samsung Electronics Co., Ltd discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207120](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207120.zip) Response to RAN3 LS on SDT containers for F1-AP Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207417.zip) Handling of sdt-Config upon reception of RRCRelease message CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207418.zip) PDCP Re-establishment for SRB(s) upon initiation of SDT CATT discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207907.zip) Issues due to delay of the start of T319a NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2207965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207965.zip) UAC for non-SDT initiation during SDT Google Inc. CR Rel-17 38.331 17.1.0 3337 - F NR\_SmallData\_INACTIVE-Core

[R2-2207977](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207977.zip) RRC corrections for SDT ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3340 - F NR\_SmallData\_INACTIVE-Core

[R2-2207988](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207988.zip) ROHC continuity and initial BWP related corrections Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208130](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208130.zip) BWP for CG-SDT Ericsson discussion Rel-17 38.331 NR\_SmallData\_INACTIVE-Core

[R2-2208218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208218.zip) RRC state preference during SDT procedure Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2208269](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208269.zip) Correction on SRB1 Handling in SDT vivo CR Rel-17 38.331 17.1.0 3393 - F NR\_SmallData\_INACTIVE-Core

[R2-2208357](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208357.zip) Correction on T319a ASUSTeK discussion Rel-16 NR\_SmallData\_INACTIVE-Core

## 6.7 NR Sidelink relay

(NR\_SL\_Relay-Core; leading WG: RAN2; REL-17; WID: RP-212601)

WI has been declared 100% complete

Tdoc Limitation: 4 tdocs

### 6.7.1 Organizational

Incoming LSs, TS updates, rapporteur inputs. This AI is reserved for rapporteur and organizational inputs. For LSes that need action or have impact beyond taking into account by CR rapporteurs: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided. Related documents and proposed responses from companies other than the contact company should be submitted to the corresponding technical agenda item.

[R2-2207021](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207021.zip) Terminology alignment for Communication and Disocvery OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2207449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207449.zip) Miscellaneous corrections for NR Sidelink Relay (rapporteur CR) Apple CR Rel-17 38.321 17.1.0 1318 - F NR\_SL\_relay-Core, NR\_SL\_enh-Core

R2-2208194 Miscellaneous corrections on 38.304 for SL relay Ericsson (Rapporteur) CR Rel-17 38.304 17.1.0 0273 - F NR\_SL\_relay-Core Late

[R2-2208484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208484.zip) RRC corrections for sidelink relay Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3427 - F NR\_SL\_relay-Core

### 6.7.2 Essential corrections

No documents should be submitted to 6.7.2. Please submit to 6.7.2.x.

#### 6.7.2.1 Stage 2 corrections

Including impact to 38.300.

[R2-2207079](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207079.zip) Correction on miscellaneous issues for NR sidelink relay in 38300 OPPO CR Rel-17 38.300 17.1.0 0496 - F NR\_SL\_relay-Core

[R2-2207201](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207201.zip) TP to introduce Rel-17 sidelink relay and discovery in TR 37.985 ZTE draftCR Rel-17 37.985 17.1.1 NR\_SL\_relay-Core

[R2-2207203](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207203.zip) Corrections for path switch in 38.300 ZTE CR Rel-17 38.300 17.1.0 0502 - F NR\_SL\_relay-Core

[R2-2207450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207450.zip) Correction on user plane and control plan procedures for U2N relay in Stage 2 Apple CR Rel-17 38.300 17.1.0 0510 - F NR\_SL\_relay-Core

[R2-2207513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207513.zip) Corrections on Sidelink Relay CATT CR Rel-17 38.300 17.1.0 0513 - F NR\_SL\_relay-Core

[R2-2208004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208004.zip) Miscellaneous corrections on SL Relay specification Nokia, Nokia Shanghai Bell draftCR Rel-17 38.300 17.1.0 F NR\_SL\_relay-Core

[R2-2208193](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208193.zip) Miscellaneous corrections on 38.300 for SL relay Ericsson CR Rel-17 38.300 17.1.0 0534 - F NR\_SL\_relay-Core

[R2-2208485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208485.zip) Stage2 clarifications on sidelink relay Huawei, HiSilicon draftCR Rel-17 38.300 17.1.0 NR\_SL\_relay-Core

#### 6.7.2.2 Control plane corrections

Including connection management, SI delivery, paging, access control for remote UE, and service continuity.

[R2-2207018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207018.zip) Discussion on left issues for CP OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2207019](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207019.zip) Correction for U2N Relay OPPO CR Rel-17 38.331 17.1.0 3207 - F NR\_SL\_relay-Core

[R2-2207176](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207176.zip) Correction on relay UE mobility handling Xiaomi CR Rel-17 38.331 17.1.0 3227 - F NR\_SL\_relay-Core

[R2-2207177](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207177.zip) Correction on SI request Xiaomi CR Rel-17 38.331 17.1.0 3228 - F NR\_SL\_relay-Core

[R2-2207178](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207178.zip) Correction on SIB12 forwarding Xiaomi CR Rel-17 38.331 17.1.0 3229 - F NR\_SL\_relay-Core

[R2-2207179](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207179.zip) Miscellaneous correction Xiaomi CR Rel-17 38.331 17.1.0 3230 - F NR\_SL\_relay-Core

[R2-2207200](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207200.zip) Correction on SUI message to differentiate V2X and ProSe service ZTE CR Rel-17 38.331 17.1.0 3319 - F NR\_SL\_relay-Core

[R2-2207202](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207202.zip) Correction on remote UE’s System Information acquisition ZTE CR Rel-17 38.331 17.1.0 3232 - F NR\_SL\_relay-Core

[R2-2207362](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207362.zip) Left issues for SUI message SHARP Corporation discussion NR\_SL\_relay-Core

[R2-2207451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207451.zip) Correction on PC5 RLC channel configuration for L2 U2N relay Apple CR Rel-17 38.331 17.1.0 3264 - F NR\_SL\_relay-Core

[R2-2207452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207452.zip) Correction on SUI procedure for L2 remote UE Apple CR Rel-17 38.331 17.1.0 3265 - F NR\_SL\_relay-Core

[R2-2207514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207514.zip) Disussion on SRAP entity release CATT discussion Rel-17 NR\_SL\_relay\_enh-Core

[R2-2207515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207515.zip) Miscellaneous Corrections on Sidelink RRC procedures CATT CR Rel-17 38.331 17.1.0 3273 - F NR\_SL\_relay\_enh-Core

[R2-2207536](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207536.zip) Correction on RRC connection suspension of remote UE Sharp discussion

[R2-2207651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207651.zip) Correction for notification message with re-establishment Lenovo CR Rel-17 38.331 17.1.0 3301 - F NR\_SL\_relay-Core

[R2-2207763](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207763.zip) Correction on measurement reporting procedure for L2 U2N Relay vivo CR Rel-17 38.331 17.1.0 3309 - F NR\_SL\_relay-Core

[R2-2207764](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207764.zip) Miscellaneous corrections on L2 U2N CP procedures vivo CR Rel-17 38.331 17.1.0 3310 - F NR\_SL\_relay-Core

[R2-2208156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208156.zip) Correction to logical channel selection for DRX in sidelink Relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.321 17.1.0 NR\_SL\_relay-Core

[R2-2208195](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208195.zip) Clarification on capability filter for sidelink relay Ericsson CR Rel-17 38.331 17.1.0 3376 - F NR\_SL\_relay-Core

[R2-2208196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208196.zip) Clarification on SRB3 configuration for sidelink relay Ericsson CR Rel-17 38.331 17.1.0 3377 - F NR\_SL\_relay-Core

[R2-2208197](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208197.zip) Clarification on the prohibit timer for on-demand SIB for SL relay Ericsson CR Rel-17 38.331 17.1.0 3378 - F NR\_SL\_relay-Core

[R2-2208215](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208215.zip) Clarifications on UE PC5 capabilities for sidelink Relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.306 17.1.0 F NR\_SL\_relay-Core

[R2-2208255](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208255.zip) Correction on SidelinkUEInformationNR for SL relay Samsung CR Rel-17 38.331 17.1.0 3391 - F NR\_SL\_relay-Core

[R2-2208256](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208256.zip) Correction on measurement report of L2 U2N relay UE Samsung CR Rel-17 38.331 17.1.0 3392 - F NR\_SL\_relay-Core

[R2-2208358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208358.zip) Clarifications on RRC procedural text for L2 U2N relay operation ASUSTeK CR Rel-17 38.331 17.1.0 3410 - F NR\_SL\_relay-Core

[R2-2208359](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208359.zip) Correction on PC5-RRC connection release ASUSTeK CR Rel-17 38.331 17.1.0 3411 - F NR\_SL\_relay-Core

[R2-2208360](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208360.zip) Clarification on radio resource release on L2 U2N Remote UE ASUSTeK CR Rel-17 38.331 17.1.0 3412 - F NR\_SL\_relay-Core

[R2-2208478](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208478.zip) Correction on rlf-TimersAndConstants Google Inc. CR Rel-17 38.331 17.1.0 3425 - F NR\_SL\_relay-Core

[R2-2208486](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208486.zip) Clarification on L2 Remote UE threshold conditions for service continuity Huawei, HiSilicon draftCR Rel-17 38.331 17.1.0 NR\_SL\_relay-Core

#### 6.7.2.3 User plane corrections

Including SRAP aspects and QoS.

[R2-2207020](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207020.zip) Correction on SRAP for L2 U2N Relay OPPO CR Rel-17 38.351 17.1.0 0006 - F NR\_SL\_relay-Core

[R2-2207453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207453.zip) Correction on SRAP header handling in L2 Relay UE Apple CR Rel-17 38.351 17.1.0 0007 - F NR\_SL\_relay-Core

[R2-2207516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207516.zip) Correction on PDCP for L2 U2N Relay CATT CR Rel-17 38.323 17.1.0 0097 - F NR\_SL\_relay-Core

[R2-2208361](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208361.zip) SRAP data PDU discard examination ASUSTeK CR Rel-17 38.351 17.1.0 0008 - F NR\_SL\_relay-Core

[R2-2208487](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208487.zip) Discussion on SRAP entity handling Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.4 Discovery and re- selection

Including 5G ProSe Direct Discovery for the non-relaying case. Re-using LTE discovery and re/selection as baseline.

[R2-2207080](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207080.zip) Discussion on MAC filtering for reception of discovery message OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2207654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207654.zip) Correction for relay reselection while T300 is running Lenovo CR Rel-17 38.331 17.1.0 3302 - F NR\_SL\_relay-Core

[R2-2207765](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207765.zip) On the problem for mode-1 dedicated discovery TX pool vivo discussion Rel-17 NR\_SL\_relay-Core

[R2-2207766](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207766.zip) [Draft] LS on mode-1 dedicated discovery transmission pool vivo LS out Rel-17 NR\_SL\_relay-Core To:RAN1

[R2-2207967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207967.zip) Clarification of SD-RSRP and SL-RSRP in TS 38.331 NEC Corporation CR Rel-17 38.331 17.1.0 3338 - F NR\_SL\_relay-Core

[R2-2208228](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208228.zip) Support of SL CG for discovery message Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

## 6.8 RAN slicing

(NR\_Slice -Core; leading WG: RAN2; REL-17; WID: RP-212534)

Tdoc Limitation: 2 tdocs

Proposals that do not provide relevant Stage-3 details will not be treated.

### 6.8.1 Organizational

Including LSs and any rapporteur inputs .

[R2-2206909](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206909.zip) Reply LS on Slice list and priority information for cell reselection (C1-224295; contact: OPPO) CT1 LS in Rel-17 NR\_slice-Core To:RAN2 Cc:SA2, CT

[R2-2207951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207951.zip) Rapporteur corrections on TS 38.331 for RAN Slicing Huawei, HiSilicon, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3334 - F NR\_slice-Core

[R2-2208001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208001.zip) Slicing related stage 2 corrections Nokia (rapporteur), Ericsson CR Rel-17 38.300 17.1.0 0523 - F NR\_slice-Core

[R2-2208002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208002.zip) Slice Group considerations based on CT1 LS ([R2-2206909](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206909.zip)/C1-224295) Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

### 6.8.2 Cell reselection

Including corrections to slice-specific cell reselection.

[R2-2207337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207337.zip) Correction for cell reselection Lenovo discussion NR\_slice-Core Late

[R2-2207338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207338.zip) CR for Correction for cell reselection Lenovo CR Rel-17 38.304 17.1.0 0259 - F NR\_slice-Core Late

[R2-2207678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207678.zip) Miscellaneous corrections to slice-specific cell reselection Spreadtrum Communications discussion Rel-17

[R2-2207797](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207797.zip) Discussion on CT1 Reply LS on cell reselection OPPO discussion Rel-17 NR\_slice-Core

[R2-2207818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207818.zip) Correction on TS 38.331 for RAN slicing CATT CR Rel-17 38.331 17.1.0 3316 - F NR\_slice-Core

[R2-2207819](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207819.zip) Discussion paper on the mapping between slices and NSAG CATT discussion Rel-17 NR\_slice-Core

[R2-2207932](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207932.zip) Cleanup on RAN Slicing Apple discussion Rel-17 NR\_slice-Core

[R2-2207933](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207933.zip) CR on slice availability provision for serving cell Apple CR Rel-17 38.331 17.1.0 3328 - F NR\_slice-Core

[R2-2207934](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207934.zip) CR to cleanup slice specific cell reselection Apple CR Rel-17 38.304 17.1.0 0268 - F NR\_slice-Core

[R2-2207952](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207952.zip) Discussion on the details of slice specific cell reselection Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2207953](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207953.zip) Corrections on TS 38.304 for RAN Slicing Huawei, HiSilicon CR Rel-17 38.304 17.1.0 0269 - F NR\_slice-Core

[R2-2208003](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208003.zip) Support of RAN sharing and equivalent PLMNs with slice specific cell reselection Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

[R2-2208143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208143.zip) Corrections on slice-based cell re-selection in TS 38.304 Ericsson discussion Rel-17 NR\_slice-Core

[R2-2208296](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208296.zip) Possible configuration mismatch in slice specific cell reselection Kyocera discussion

[R2-2208446](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208446.zip) Correction on the rules in equal priority case for slice-based cell reselection CMCC, OPPO, Huawei, HiSilicon CR Rel-17 38.304 17.1.0 0279 - F NR\_slice-Core

[R2-2208495](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208495.zip) Slice specific reselection priorities in RRC Release Samsung R&D Institute India discussion

[R2-2208517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208517.zip) Correction on per-TA NSAG for slice specific cell reselection Qualcomm Incorporated CR Rel-17 38.304 17.1.0 0280 - F NR\_slice-Core

[R2-2208519](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208519.zip) Issues with slice specific cell reselection Samsung R&D Institute India discussion

[R2-2208607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208607.zip) 38.304 CR Corrections on slice-based cell reselection Xiaomi, OPPO, CMCC draftCR Rel-17 38.304 17.1.0 F NR\_slice-Core

### 6.8.3 RACH

Including corrections to RAN slicing-specific RACH prioritization (i.e. aspects that are **not** discussed as part of the common RACH prioritization agenda).

[R2-2207471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207471.zip) 38.300 CR Corrections on slice based RACH configuration Beijing Xiaomi Software Tech draftCR Rel-17 38.300 17.1.0 F NR\_slice-Core

[R2-2207798](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207798.zip) Minor correction on slice-specific RACH OPPO CR Rel-17 38.321 17.1.0 1343 - F NR\_slice-Core

[R2-2208142](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208142.zip) Miscellaneous corrections for RAN slicing enhancements Ericsson CR Rel-17 38.331 17.1.0 3363 - F NR\_slice-Core

## 6.9 UE Power Saving

(NR\_UE\_pow\_sav\_enh-Core; leading WG: RAN2; REL-17; WID: RP-212632)

Tdoc Limitation: 3 tdoc

### 6.9.1 Organizational and Stage-2

LS ins. CR Rapporteurs baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur. Impact to stage-2 TS, and discussions on system level issues that need resolution if any

[R2-2206932](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206932.zip) Reply LS on PEI and UE Subgrouping (R3-224004; contact: ZTE) RAN3 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2 Cc:SA2, CT1

* Noted

* [AT119-e][029][ePowSav] Stage-2 38300 (Huawei)

Scope: Treat R2-2207070, R2-2208015, R2-2208227, R2-2207745. Determine agreeable parts, reflects agreeable parts in a CR.

Intended outcome: Report, Agreed CR 38300, offline only if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

[R2-2207070](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207070.zip) Stage-2 correction on UE-ID based subgrouping OPPO CR Rel-17 38.300 17.1.0 0495 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2208015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208015.zip) Stage 2 correction on power saving Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.1.0 0525 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2208227](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208227.zip) Corrections for UE power saving enhancements In 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0536 - F NR\_UE\_pow\_sav\_enh-Core

TRS in Idle/Inactive

[R2-2207745](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207745.zip) Correction on idle/inactive TRS for ePowSav vivo CR Rel-17 38.300 17.1.0 0516 - F NR\_UE\_pow\_sav\_enh-Core

### 6.9.2 Control Plane

CHAIR: PLAN: WHEN DISCUSSIONS [003] and [004] has converged we do CR discussions for 38.331 (CATT), 38.304 (vivo), 38.306 (Nokia). Can continue in short post discussions if needed.

RLM BFD relaxation

R2-2208922 Summary of RLM/BFD relaxation (vivo) vivo

DISCUSSION

* MTK think this should be network implementation, should allow to be configured together but UE should only send indication when UE is performing RLMBFD.
* Oppo think the simplest is to have a restriction of configuration. ZTE agrees support for case 1 alt2, think there is little use cases for other
* LG think how the UAI report sending is an issue over deactivated SCG, think it can be sent over MCG.
* Xiaomi think these are not configured together, and R4 has never considered this.
* QC think R4 TS says measurement relaxation includes SCG, maybe somewhat vague on whether it applies to deactivated.
* Huawei think this should be for network impl, and no restriction is needed. Can send message over MCG.
* CATT think this is for RLM bec for BFD there is no report for deactivated cell (already in RRC). Think the flexibility can be useful, as the reporting is useful iin the beginning, to tune the thresholds, even before activation of SCG. Agree that MCG can be used for messaging.
* Vivo indicates that R4 TS need to be updated fif we have a config restriction

SOH Case 1

* For Case 1, we go with Alt 1 (no configuration restriction)
* For Case 2, BFD and RLM is not operating, and thus BFD and RLM relaxation and the associated reporting can also be considered non-operational (regardless configuration), can consider TS update to make this clear.
* [AT119-e][003][ePowSav] RLM/BFD relaxation (vivo)

Scope: Based on online progress and discussion, continue identify agreeable parts and impacts.

Intended outcome: Report (with agreements), offline if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

[R2-2207071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207071.zip) Correction on RLM/BFD relaxation for SCG deactivation – alternative 1 OPPO CR Rel-17 38.331 17.1.0 3215 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207072](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207072.zip) Correction on RLM/BFD relaxation for SCG deactivation – alternative 2 OPPO CR Rel-17 38.331 17.1.0 3216 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207399](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207399.zip) Consideration on RLM/BFD relaxation configuration with bfd-and-RLM CATT discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2207403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207403.zip) BFD/RLM relaxation for deactivated SCG Fujitsu CR Rel-17 38.331 17.1.0 3257 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207404.zip) BFD relaxation for serving cell with mTRP Fujitsu CR Rel-17 38.331 17.1.0 3258 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207538](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207538.zip) Clarification on the state report of RLM BFD relaxation Sharp discussion R2-2205286

[R2-2207743](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207743.zip) Remaining issues on RLM/BFD relaxation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2207744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207744.zip) Correction on RRC for ePowSav vivo CR Rel-17 38.331 17.1.0 3306 - F NR\_UE\_pow\_sav\_enh-Core Late

[R2-2208091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208091.zip) RLM and BFD relaxation status reporting for deactivated SCG Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2208224](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208224.zip) Corrections on the prohibit timer for RLM/BFD relaxation and the TRS availability Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3383 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2208225](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208225.zip) Discussion on RLM/BFD relaxation and SCG deactivation Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2208555](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208555.zip) CR for the field description of searchspaceGroupList and general description of RLMBFD relaxation ZTE Corporation,Sanechips CR Rel-17 38.331 17.1.0 3439 - F NR\_UE\_pow\_sav\_enh-Core

Subgrouping and PEI

R2-2208909 Summary of Subgrouping/PEI contributions (MediaTek) MediaTek inc.

[R2-2208609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208609.zip) 38.304 Clarifications on SubgroupID for UE-ID based subgrouping Xiaomi, ZTE Corporation,Vivo, Ericsson, CATT draftCR Rel-17 38.304 17.1.0 NR\_UE\_pow\_sav\_enh-Core

* Chair wonder if we can agree this.
* Huawei think we should align solution with PO solution already in the TS. Nokia agrees with Huawei and think this proposal is better.
* Xiaomi think HW way can also work, but may need to change the 38300 then.
* Vivo think that we should not depend on UE capability, and just specify in the TS.
* Solution in this doc is agreed
* [AT119-e][004][ePowSav] Subgrouping/PEI (MediaTek)

Scope: Based on online progress, discussion, R2-2208909 and referenced input, continue identify agreeable parts and impacts. No Need to include Stage-2 etc.

Intended outcome: Report (with agreements), offline if possible.

Deadline: W2 Wednesday (can CB W2 Thu if required)

[R2-2208226](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208226.zip) Correction on the UE\_ID based subgrouping Huawei, HiSilicon CR Rel-17 38.304 17.1.0 0275 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207005.zip) Clarification of PEI monitoring related parameters Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2207051](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207051.zip) Correction to UE ID based subgrouping OPPO CR Rel-17 38.304 17.1.0 0257 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207206](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207206.zip) 38.331 Corrections on PDCCH-ConfigCommon for PEI Xiaomi Communications draftCR Rel-17 38.331 17.1.0 NR\_UE\_pow\_sav\_enh-Core

[R2-2208554](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208554.zip) CR on 38.304 for PEI and pagingsubgrouping ZTE Corporation,Sanechips CR Rel-17 38.304 17.1.0 0281 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2208017](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208017.zip) Clarification on subgrouping descriptions Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.1.0 0270 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2208334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208334.zip) Clarification on paging early indication with paging subgrouping during emergency call MediaTek Inc. CR Rel-17 38.304 17.1.0 0282 - F NR\_UE\_pow\_sav\_enh

[R2-2208016](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208016.zip) Clarification on PEI and subgrouping capability Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0785 - F NR\_UE\_pow\_sav\_enh-Core

Misc Corrections

[R2-2207398](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207398.zip) Miscellaneous CR on TS 38.331 for ePowSav CATT, Xiaomi CR Rel-17 38.331 17.1.0 3254 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2207742](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207742.zip) Miscellaneous CR on TS 38.304 for ePowSav vivo CR Rel-17 38.304 17.1.0 0267 - F NR\_UE\_pow\_sav\_enh-Core

### 6.9.3 User Plane

* [AT119-e][028][ePowSav] PDCCH Skip (Ericsson)

Scope: Treat R2-2208090, Determine agreeable parts. Capture agreeable part in MAC CR.

Can do one more round of treatment for R2-2208089, identify critical arguments if any, prepare for CB.

Intended outcome: Report, Agreed MAC CR

Deadline: In time for online CB W2 Thu if required otherwise EOM

[R2-2208089](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208089.zip) PDCCH monitoring adaptation and C-DRX (RIL V146) Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Online W1 Wed

- Huawei think this is discussed in R1 in this meeting. Vivo think this is controversial in R1. Ericsson checked and this has already been discussed in R1, Nokia agrees with Ericsson.

- Chair: if this is up for R1 discussion, We can wait for R1, but we can also keep this on the table for later CB.

[R2-2208090](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208090.zip) PDCCH skipping in RAN1 and RAN2 specifications Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

## 6.10 NR Non-Terrestrial Networks (NTN)

(NR\_NTN\_solutions-Core; leading WG: RAN2; REL-17; WID: RP-211557)

Tdoc Limitation: 5 tdocs

### 6.10.1 Organizational

LSs, rapporteur inputs and other organizational documents. Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

#### 6.10.1.1 LS in

For LSes that need action: one tdoc by contact company to address the LS and potential reply is considered.

Rapporteur input may be provided.

[R2-2206948](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206948.zip) Reply LS on measurement gap enhancements for NTN (R4-2210611; contact: Intel) RAN4 LS in Rel-17 NR\_NTN\_solutions, NR\_MG\_enh To:RAN2

[R2-2206968](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206968.zip) LS reply on Reply LS on NTN specific User Consent and UE location in connected mode in NTN (S3-221268; contact: Ericsson) SA3 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2 Cc:SA2, RAN3, CT1, CT4

[R2-2207067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207067.zip) Discussion on CT1 LS on not allowed PLMN at the current location OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207271](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207271.zip) Discussion on RAN4 reply LS on measurement gaps Intel Corporation discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.1.2 Rapporteur inputs

CR Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications, etc - please contact the CR rapporteurs before providing contributions on those aspects.

[R2-2207065](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207065.zip) NTN Stage-2 correction OPPO, Thales CR Rel-17 38.300 17.1.0 0494 - F NR\_NTN\_solutions-Core

[R2-2207097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207097.zip) Draft Summary for NR support for Non-Terrestrial Networks (NTN) THALES WI summary Rel-17 NR\_NTN\_solutions

[R2-2207322](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207322.zip) Rel-17 NTN Stage-2 (Rapporteur) corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.1.0 0509 - F NR\_NTN\_solutions-Core

[R2-2207924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207924.zip) Corrections for Release-17 NTN Ericsson CR Rel-17 38.331 17.1.0 3326 - F NR\_NTN\_solutions-Core

[R2-2208272](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208272.zip) Corrections to Release-17 NR Non-Terrestrial Networks (NTN): RAN2#119e InterDigital CR Rel-17 38.321 17.1.0 1378 - F NR\_NTN\_solutions-Core

[R2-2208329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208329.zip) Miscellaneous corrections on 38.304 ZTE Corporation, Sanechips, CMCC, vivo, Apple CR Rel-17 38.304 17.1.0 0277 - F NR\_NTN\_solutions-Core

### 6.10.2 User Plane

#### 6.10.2.1 MAC corrections

[R2-2207240](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207240.zip) Discussion on TA report Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207241](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207241.zip) Discussion on remaining MAC issues Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207443.zip) NTN UL synchronization correction in MAC Apple CR Rel-17 38.321 17.1.0 1317 - F NR\_NTN\_solutions-Core

[R2-2207596](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207596.zip) Discussion on the issue of outdated UE TA at NW side Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207598](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207598.zip) Correction on maintenance of UL synchronization in MAC Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1326 - F NR\_NTN\_solutions-Core

[R2-2207628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207628.zip) Remaining issue on UL synchronization in NR NTN vivo discussion

[R2-2207629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207629.zip) On corrections to random access procedure in NR NTN vivo discussion

[R2-2208273](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208273.zip) Blind Msg3 retransmission in Rel-17 NTN InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208274](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208274.zip) SR configuration for Timing Advance MAC CE InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208275](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208275.zip) Clarifications to the Timing Advance reporting procedure InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208382.zip) Correction on TA Reporting Triggering Condition for NTN in TS 38.321 CATT CR Rel-17 38.321 17.1.0 1384 - F NR\_NTN\_solutions-Core

[R2-2208560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208560.zip) On issues for Timing Advance Report MAC CE Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208569](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208569.zip) Remaining UP issues in NTN ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208570](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208570.zip) Correction to 38321 on TA report ZTE Corporation, Sanechips CR Rel-17 38.321 17.1.0 1391 - F NR\_NTN\_solutions-Core

[R2-2208571](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208571.zip) Correction to 38321 on ra-ContentionResolutionTimer ZTE Corporation, Sanechips CR Rel-17 38.321 17.1.0 1392 - F NR\_NTN\_solutions-Core

[R2-2208576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208576.zip) Clarification on the condition of contention resolution not successful Xiaomi CR Rel-17 38.321 17.1.0 1393 - F NR\_NTN\_solutions-Core

[R2-2208675](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208675.zip) R17 NR NTN User Plane issues Ericsson discussion Rel-17

#### 6.10.2.2 Other

Contributions on any other UP issues.

[R2-2207052](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207052.zip) left issues on UP in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207341](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207341.zip) Outdated UE specific Koffset Qualcomm Incorporated discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207671](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207671.zip) Discussion on the RA counter in case of ephemeris update Spreadtrum Communications discussion Rel-17

[R2-2208561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208561.zip) On Msg3 blind retransmission and UE behaviour upon validity timer expiry Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208678.zip) R17 NR NTN stage 2 corrections Ericsson discussion Rel-17

### 6.10.3 Control Plane

#### 6.10.3.1 Idle inactive mode corrections

Contributions on 38.304 impacts.

[R2-2207323](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207323.zip) Rel-17 NTN IDLE mode corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.1.0 0258 - F NR\_NTN\_solutions-Core

[R2-2207440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207440.zip) Clarification on the suitable cell in NTN Apple CR Rel-17 38.304 17.1.0 0260 - F NR\_NTN\_solutions-Core

[R2-2207632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207632.zip) Clarification on time-based cell reselection in TS 38.304 vivo CR Rel-17 38.304 17.1.0 0266 - F NR\_NTN\_solutions-Core

[R2-2207863](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207863.zip) Discussion on the acquisition and prediction of ephemeris for SIB19 BUPT discussion Rel-17

[R2-2208094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208094.zip) R17 NR NTN Idle mode corrections Ericsson discussion NR\_NTN\_solutions-Core

[R2-2208137](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208137.zip) Correction on Measurement rules for cell re-selection for NR NTN Samsung R&D Institute UK CR Rel-17 38.304 17.1.0 0272 - F NR\_NTN\_solutions-Core

[R2-2208379](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208379.zip) Miscellaneous corrections on 38.304 CATT CR Rel-17 38.304 17.1.0 0278 - F NR\_NTN\_solutions-Core

#### 6.10.3.2 RRC corrections

##### 6.10.3.2.1 SMTC and gaps

SMTC and gaps related corrections

[R2-2207149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207149.zip) Remaining issues on SMTCs and gaps Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207242](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207242.zip) Discussion on SMTC related issues Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207243](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207243.zip) Draft 331 CR for NR NTN SMTC Samsung Research America draftCR Rel-17 38.331 17.1.0 F NR\_NTN\_solutions-Core

[R2-2207344](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207344.zip) Correction to the frame boundary alignment indication from the source Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3251 - F NR\_NTN\_solutions-Core

[R2-2207345](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207345.zip) Reporting SMTC issue in measurement results Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3252 - F NR\_NTN\_solutions-Core

[R2-2208214](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208214.zip) Correction to associate two concurrent measurement gaps to one frequency layer for NR NTN Nokia, Nokia Shanghai Bell CR Rel-18 38.331 17.1.0 3382 - F NR\_NTN\_solutions-Core

[R2-2208466](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208466.zip) Correction for measurement gap Xiaomi draftCR Rel-17 38.331 17.1.0 NR\_NTN\_solutions-Core

##### 6.10.3.2.2 CHO

CHO related corrections

[R2-2207672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207672.zip) Discussion on the ephemeris information in CHO procedure Spreadtrum Communications discussion Rel-17

[R2-2208534](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208534.zip) Correction of entering and leaving condition of CondEventT1 LG Electronics France CR Rel-17 38.331 17.1.0 3433 - F NR\_NTN\_solutions-Core

##### 6.10.3.2.3 Other

Contributions on any other RRC issues.

[R2-2207053](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207053.zip) Correction to RRC-MAC interaction on UL synchronisation in NTN OPPO CR Rel-17 38.331 17.1.0 3212 - F NR\_NTN\_solutions-Core

[R2-2207063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207063.zip) Discussion on how to handle the validity timer for neighbor cells OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207066](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207066.zip) NTN RRC correction OPPO CR Rel-17 38.331 17.1.0 3214 - F NR\_NTN\_solutions-Core

[R2-2207068](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207068.zip) Correction on NTN UE capabiltiy OPPO CR Rel-17 38.306 17.1.0 0758 - F NR\_NTN\_solutions-Core

[R2-2207141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207141.zip) Correction of UE location aspects in NTN Thales, Xiaomi discussion Rel-17 38.300 NR\_NTN\_solutions

[R2-2207144](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207144.zip) Correction of UE location aspects in NTN Thales, Xiaomi draftCR Rel-17 38.300 17.1.0 NR\_NTN\_solutions

[R2-2207148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207148.zip) Remaining issues on ephemeris provision Huawei, HiSilicon, Thales discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207268](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207268.zip) Draft 331 CR for NR NTN measurement related UE capabilities Intel Corporation draftCR Rel-17 38.331 17.1.0 F NR\_NTN\_solutions-Core

[R2-2207269](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207269.zip) Draft 306 CR for NR NTN measurement related UE capabilities Intel Corporation draftCR Rel-17 38.306 17.1.0 F NR\_NTN\_solutions-Core

[R2-2207270](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207270.zip) Discussion on UE capability for 2 SMTC in parallel Intel Corporation discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207324.zip) Rel-17 NTN corrections to NR RRC Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3247 - F NR\_NTN\_solutions-Core Late

[R2-2207342](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207342.zip) Same ULTSRP indication of the target cell during handover Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3249 - F NR\_NTN\_solutions-Core

[R2-2207343](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207343.zip) List of frequencies and satellite index for a neighbor satellite in SIB19 Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3250 - F NR\_NTN\_solutions-Core

[R2-2207439](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207439.zip) Clarification on the necessity of SIB19 in NTN cell Apple CR Rel-17 38.331 17.1.0 3263 - F NR\_NTN\_solutions-Core

[R2-2207441](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207441.zip) The impact on HO by the validity of the UL sync assistance info Apple discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207442.zip) Clarification on the features supported in NTN network Apple discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207597](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207597.zip) Discussion on the UE location reporting Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2207630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207630.zip) Correction on access restriction for NR NTN in TS 38.331 vivo CR Rel-17 38.331 17.1.0 3299 - F NR\_NTN\_solutions-Core

[R2-2207631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207631.zip) Remaining issues on validity timer in NR NTN vivo discussion

[R2-2207769](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207769.zip) Corrections to TA Report in RRC Connection Reestablishment Google Inc. CR Rel-17 38.331 17.1.0 3311 - F NR\_NTN\_solutions-Core

[R2-2207777](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207777.zip) Corrections to TA Report in RRC Connection Resume Google Inc. CR Rel-17 38.331 17.1.0 3313 - F NR\_NTN\_solutions-Core

[R2-2207889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207889.zip) Discussion on whether the inactive state of RRC enables in specific scenarios for NTN BUPT discussion Rel-17

[R2-2208288](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208288.zip) Correction to coarseLocationInfo field description for NR NTN Eutelsat S.A. CR Rel-17 38.331 17.1.0 3399 - F NR\_NTN\_solutions-Core

[R2-2208362](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208362.zip) Discussion on validity timer for serving cell and neighbour cell ASUSTeK discussion Rel-16 38.331 NR\_NTN\_solutions-Core

[R2-2208363](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208363.zip) Discussion on T430 for handover ASUSTeK discussion Rel-16 38.331 NR\_NTN\_solutions-Core

[R2-2208364](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208364.zip) Discussion on configuration of harq-ProcessNumberSizeDCI-0-2 ASUSTeK discussion Rel-16 38.331 NR\_NTN\_solutions-Core

[R2-2208378](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208378.zip) Discussion on Neighbor Satellite Assistance Information CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208380.zip) Miscellaneous corrections on 38.300 CATT CR Rel-17 38.300 17.1.0 0538 - F NR\_NTN\_solutions-Core

[R2-2208381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208381.zip) Miscellaneous corrections on 38.331 CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2208537](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208537.zip) Corrections to NTN capabilities LG Electronics CR Rel-17 38.306 17.1.0 0794 - F NR\_NTN\_solutions-Core, NR\_redcap-Core

[R2-2208538](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208538.zip) Miscellaneous corrections for NTN LG Electronics CR Rel-17 38.331 17.1.0 3434 - F NR\_NTN\_solutions-Core

[R2-2208575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208575.zip) correction on coarselocationrequest Xiaomi, Thales CR Rel-17 38.331 17.1.0 3444 - F NR\_NTN\_solutions-Core

[R2-2208577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208577.zip) correction on triggering TA report during HO Xiaomi CR Rel-17 38.331 17.1.0 3445 - F NR\_NTN\_solutions-Core

[R2-2208578](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208578.zip) Correction on missing the action upon not being able to acquire SIB19 Xiaomi CR Rel-17 38.331 17.1.0 3446 - F NR\_NTN\_solutions-Core

[R2-2208657](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208657.zip) Issues related to NR NTN epoch time Sequans Communications discussion Rel-17 38.331 NR\_NTN\_solutions-Core

[R2-2208659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208659.zip) NTN Configuration at Handover and CHO Sequans Communications discussion Rel-17 38.331 NR\_NTN\_solutions-Core

[R2-2208679](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208679.zip) R17 NR NTN UE Capability issues Ericsson discussion Rel-17

## 6.11 NR positioning enhancements

(NR\_pos\_enh-Core; leading WG: RAN1; REL-17; WID: RP-210903)

Tdoc Limitation: 6 tdocs

### 6.11.1 Organizational

Rapporteur input. Incoming LS etc. This AI is reserved for rapporteur and organizational inputs. For LSes that need action or have impact beyond taking into account by CR rapporteurs: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided. Related documents and proposed responses from companies other than the contact company should be submitted to the corresponding technical agenda item.

[R2-2206903](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206903.zip) Response LS to RTCM SC134 on GNSS integrity (RTCM; contact: ESA) RTCM LS in Rel-17 NR\_pos\_enh-Core To:RAN2

[R2-2206914](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206914.zip) Reply LS on the UE/TRP TEG framework (R1-2205382; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN4, RAN2, RAN3

[R2-2206916](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206916.zip) LS on updates of RRC parameters for Rel-17 positioning enhancements (R1-2205406; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN3 Cc:RAN4

[R2-2206919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206919.zip) Reply LS on lower Rx beam sweeping factor for latency improvement (R1-2205450; contact: Huawei) RAN1 LS in Rel-17 NR\_pos\_enh To:RAN4 Cc:RAN2

[R2-2206927](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206927.zip) Reply LS on expected AoA and AoD parameters (R1-2205619; contact: Nokia) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN3

[R2-2206945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206945.zip) Further reply LS on condition for PRS measurement outside the MG (R4-2210601; contact: Huawei) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2

[R2-2206946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206946.zip) LS on Tx TEG framework (R4-2210603; contact: CATT) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2, RAN3

[R2-2206947](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206947.zip) LS on switching time for SRS transmission outside initial UL BWP in RRC\_INACTIVE (R4-2210604; contact: Huawei) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2

[R2-2207099](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207099.zip) Corrections on the RxTEG,TxTEG and RxTxTEG report in TS 37.355 CATT CR Rel-17 37.355 17.1.0 0352 - F NR\_pos\_enh-Core

[R2-2207100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207100.zip) Corrections on the UE TxTEG report in TS 38.331 CATT CR Rel-17 38.331 17.1.0 3217 - F NR\_pos\_enh-Core

[R2-2207384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207384.zip) Mscellaneous corrections for TS38.305 Intel Corporation CR Rel-17 38.305 17.1.0 0105 - F NR\_pos\_enh-Core

[R2-2207385](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207385.zip) Corrections on LPP capabilies Intel Corporation CR Rel-17 37.355 17.1.0 0359 - F NR\_pos\_enh-Core

[R2-2207880](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207880.zip) Editor's Correction for MAC spec for Positioning Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1344 - F NR\_pos\_enh-Core

### 6.11.2 Essential corrections

No documents should be submitted to 6.11.2. Please submit to 6.11.2.x.

[R2-2208298](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208298.zip) Discussion on positioning of UEs in FR2-2 Samsung discussion Rel-17 NR\_pos\_enh-Core

[R2-2208299](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208299.zip) Clarification on the use of SRS with 480 kHz, 960 kHz SCS in FR2-2 for positioning Samsung draftCR Rel-17 38.331 17.1.0 NR\_pos\_enh-Core, NR\_ext\_to\_71GHz

#### 6.11.2.1 Latency enhancements

Enhancements of signalling, and procedures for improving positioning latency of the Rel-16 NR positioning methods, for DL and DL+UL positioning methods.

[R2-2207101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207101.zip) Corrections on the latency enhancements in TS 37.355 CATT CR Rel-17 37.355 17.1.0 0353 - F NR\_pos\_enh-Core

[R2-2207110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207110.zip) Corrections on TS38.305 CATT CR Rel-17 38.305 17.1.0 0103 - F NR\_pos\_enh-Core

[R2-2207411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207411.zip) Change request about PPW configuration vivo, Ericsson CR Rel-17 38.331 17.1.0 3260 - F NR\_pos\_enh-Core

[R2-2207579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207579.zip) Correction on the request message of reduced PRS samples in 37.355 ZTE, Sanechips CR Rel-17 37.355 17.1.0 0362 - F NR\_pos\_enh-Core

[R2-2207580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207580.zip) Correction on UE capability of reduced PRS samples in RRC\_INACTIVE in 37.355 ZTE, Sanechips CR Rel-17 37.355 17.1.0 0363 - F NR\_pos\_enh-Core

[R2-2207693](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207693.zip) Positioning during handover and re-establishment Lenovo discussion Rel-17

[R2-2207885](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207885.zip) Correction to the number of samples for PRS measurement in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 37.355 17.1.0 0371 - F NR\_pos\_enh-Core

[R2-2207886](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207886.zip) Cancellation of SR for posMG (de-)activation request Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2208077](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208077.zip) Correction of the IE for lower Rx beam sweeping factor than 8 for FR2 capability and request Ericsson CR Rel-17 37.355 17.1.0 0374 - F NR\_pos\_enh-Core

[R2-2208124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208124.zip) Correction to missing Scheduling Request Configuration for Positioning Measurement Gap Activation/Deactivation Request MAC CE Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3358 - F NR\_pos\_enh-Core

[R2-2208125](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208125.zip) Correction to Scheduling Request for Positioning Measurement Gap Activation/Deactivation Request Qualcomm Incorporated CR Rel-17 38.321 17.1.0 1371 - F NR\_pos\_enh-Core

[R2-2208204](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208204.zip) Miscellaneous corrections to NR positioning enhancements Lenovo draftCR Rel-17 38.321 17.1.0 F NR\_pos\_enh-Core

[R2-2208300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208300.zip) Cancellation of UL MAC CE for MG activation/deactivation Samsung draftCR Rel-17 38.331 17.1.0 NR\_pos\_enh-Core

[R2-2208491](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208491.zip) Change request about validity area in 38.305 vivo draftCR Rel-17 38.305 17.1.0 D NR\_pos\_enh-Core

[R2-2208492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208492.zip) Change request about UE capability for PRS measurement within a PPW vivo draftCR Rel-17 37.355 17.1.0 F NR\_pos\_enh-Core

[R2-2208512](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208512.zip) Corrections for triggered Positioning MG Req MAC CE Samsung draftCR Rel-17 38.321 17.1.0 F NR\_pos\_enh-Core

#### 6.11.2.2 RRC\_INACTIVE

Methods, measurements, signalling and procedures to support positioning for UEs in RRC\_ INACTIVE state, for UE-based and UE-assisted positioning solutions. UL and DL+UL NR positioning methods and gNB positioning measurements for UEs in RRC\_INACTIVE are treated at lower priority.

[R2-2207112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207112.zip) Discussion on left over issues of UL positioning in RRC\_Inactive CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2207881](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207881.zip) Correction for inactivePosSRS-TAT upon transitioning to RRC\_CONNECTED Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3322 - F NR\_pos\_enh-Core

[R2-2207883](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207883.zip) Correction to TA-validation for inactive SRS transmission Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1345 - F NR\_pos\_enh-Core

[R2-2208072](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208072.zip) On transferring SDT configuration and SRS positioning Inactive configuration from DU to CU Ericsson discussion Rel-17

[R2-2208074](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208074.zip) on RRC Inactive Mode Positioning Ericsson discussion Rel-17

[R2-2208076](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208076.zip) Miscellaneous correction for Positioning Ericsson, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3353 - F NR\_pos\_enh-Core

[R2-2208521](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208521.zip) Corrections on activation and deactivation of SP-SRSp transmission in RRC INACTIVE Xiaomi, Huawei, vivo CR Rel-17 38.305 17.1.0 0107 - F NR\_pos\_enh-Core

#### 6.11.2.3 On-demand PRS

Specify UE-initiated and LMF-initiated on-demand transmission and reception of DL PRS for DL and DL+UL positioning for UE-based and UE-assisted positioning solutions.

[R2-2207012](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207012.zip) Corrections for DL-PRS processing window activation Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.1.0 NR\_pos\_enh-Core

[R2-2207419](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207419.zip) Change request about QCL-Info in the on-demand PRS request vivo CR Rel-17 37.355 17.1.0 0360 - F NR\_pos\_enh-Core

[R2-2208493](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208493.zip) Discussion on the format of on-demand PRS configuration vivo, ZTE, Ericsson, Huawei, Xiaomi discussion Rel-17 NR\_pos\_enh-Core

#### 6.11.2.4 GNSS positioning integrity

Signalling and procedures to support GNSS positioning integrity determination.

R2-2207363 Corrections on the integrity of A-GNSS in TS 37.355 CATT CR Rel-18 37.355 17.1.0 0358 - F NR\_pos\_enh-Core Withdrawn

[R2-2207736](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207736.zip) Corrections on the integrity of A-GNSS in TS 37.355 CATT CR Rel-17 37.355 17.1.0 0365 - F NR\_pos\_enh-Core

[R2-2208075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208075.zip) Provisioning of missing integrity requirements Ericsson discussion Rel-17

[R2-2208395](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208395.zip) Correction on the GNSS Orbit and Clock Integrity Bounds in TS 37.355 Swift Navigation, ESA, Ericsson CR Rel-17 37.355 17.1.0 0377 - F NR\_pos\_enh-Core

[R2-2208415](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208415.zip) Correction on the mean orbit error projection in TS 38.305 Swift Navigation, ESA, Ericsson CR Rel-17 38.305 17.1.0 0106 - F NR\_pos\_enh-Core

[R2-2208419](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208419.zip) Correction on the mean orbit error projection in TS 36.305 Swift Navigation, ESA, Ericsson CR Rel-17 36.305 17.1.0 0110 - F NR\_pos\_enh-Core

#### 6.11.2.5 A-GNSS enhancements

Including support of BDS B2a and B3I signals and support of NavIC.

#### 6.11.2.6 Accuracy enhancements

Input on the accuracy enhancement objectives led by RAN1.

[R2-2207087](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207087.zip) 37.355 CR for clarification of number of UE Rx TEGs OPPO CR Rel-17 37.355 17.1.0 0350 - F NR\_pos\_enh-Core

[R2-2207088](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207088.zip) 37.355 CR for introduction of UE Rx TEG error margin and Tx TEG error margin OPPO CR Rel-17 37.355 17.1.0 0351 - F NR\_pos\_enh-Core

[R2-2207102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207102.zip) Corrections on the accuracy enhancements in TS 37.355 CATT CR Rel-17 37.355 17.1.0 0354 - F NR\_pos\_enh-Core

[R2-2207578](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207578.zip) Correction on additional measurements in 37.355 ZTE, Sanechips CR Rel-17 37.355 17.1.0 0361 - F NR\_pos\_enh-Core

[R2-2207581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207581.zip) Correction on UE Rx Tx RxTx TEG and TRP Tx TEG timing error margin in 37.355 ZTE, Sanechips CR Rel-17 37.355 17.1.0 0364 - B NR\_pos\_enh-Core

[R2-2207582](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207582.zip) Correction on UE Tx TEG timing error margin in 38.331 ZTE, Sanechips CR Rel-17 38.331 17.1.0 3286 - B NR\_pos\_enh-Core

[R2-2207583](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207583.zip) Discussion on the framework of TEG timing error margin ZTE, Sanechips discussion Rel-17 NR\_pos\_enh-Core

[R2-2207882](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207882.zip) Correction to measurment with mutliple TEGs Huawei, HiSilicon, VIVO CR Rel-17 37.355 17.1.0 0369 - F NR\_pos\_enh-Core

[R2-2207884](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207884.zip) Correction to DL-AoD measurement report Huawei, HiSilicon CR Rel-17 37.355 17.1.0 0370 - F NR\_pos\_enh-Core

[R2-2208073](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208073.zip) On Mitigation of UE/TRP Rx/Tx timing delays Ericsson discussion Rel-17

[R2-2208494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208494.zip) Change request about description of RSPP and RSRPP in 38.305 vivo draftCR Rel-17 38.305 17.1.0 D NR\_pos\_enh-Core

## 6.12 Reduced Capability

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: RP-211574)

Tdoc Limitation: 4 tdocs

### 6.12.1 Organizational

LSs, rapporteur inputs and other organizational documents. Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

#### 6.12.1.1 LS in

For LSes that need action: one tdoc by contact company to address the LS and potential reply is considered.

Rapporteur input may be provided.

[R2-2206924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206924.zip) Reply LS on introduction of an offset to transmit CD-SSB and NCD-SSB at different times (R1-2205535; contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN4

[R2-2206941](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206941.zip) LS on CGI reading with autonomous gaps for RedCap (R4-2210593; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2206942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206942.zip) LS on measurement capability for RedCap (R4-2210594; contact: CMCC) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

[R2-2206943](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206943.zip) Reply LS on RRM relaxation for Redcap (R4-2210598; contact: vivo) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2206944](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206944.zip) Reply LS on introduction of an offset to transmit CD-SSB and NCD-SSB at different times (R4-2210599; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

#### 6.12.1.2 Rapporteur inputs

CR Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications, etc - please contact the CR rapporteurs before providing contributions on those aspects.

[R2-2207746](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207746.zip) Miscellaneous CR on TS 38.321 for RedCap vivo CR Rel-17 38.321 17.1.0 1336 - F NR\_redcap-Core

[R2-2208219](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208219.zip) Corrections on RedCap in TS 38.300 Nokia, Nokia Shanghai Bell, Huawei CR Rel-17 38.300 17.1.0 0535 - F NR\_redcap-Core

[R2-2208306](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208306.zip) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.331 17.1.0 3400 - F NR\_redcap-Core

[R2-2208307](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208307.zip) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.304 17.1.0 0276 - F NR\_redcap-Core

### 6.12.2 Control Plane

#### 6.12.2.1 NCD-SSB aspects

Corrections/clarifications on NCD-SSB aspects

[R2-2207041](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207041.zip) Clarification on reference SSB for intra- and inter-frequency measurements for RedCap UEs Qualcomm Incorporated CR Rel-17 38.300 17.1.0 0508 - F NR\_redcap-Core

[R2-2207464](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207464.zip) CR on handling time domain offset of CD and NCD-SSB Apple CR Rel-17 38.331 17.1.0 3267 - F NR\_redcap-Core

[R2-2207465](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207465.zip) CR on handling time domain offset of CD and NCD-SSB Apple CR Rel-17 38.306 17.1.0 0768 - F NR\_redcap-Core

[R2-2207619](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207619.zip) Remaining issues on NCD-SSB for RedCap Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2207748](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207748.zip) Correction on RRC for RedCap vivo, Guangdong Genius CR Rel-17 38.331 17.1.0 3307 - F NR\_redcap-Core

[R2-2207995](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207995.zip) Clarification of BWP operation in Connected mode MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2208111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208111.zip) Correction on RedCap-specific initial BWP ZTE Corporation, Sanechips CR Rel-17 38.300 17.1.0 0529 - F NR\_redcap-Core

[R2-2208136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208136.zip) Correction to definition and values of ssb-TimeOffset for NCD-SSB Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3360 - F NR\_redcap-Core

[R2-2208308](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208308.zip) Clarification on the field description of rach-ConfigCommonfor for RedCap UEs Ericsson CR Rel-17 38.331 17.1.0 3401 - F NR\_redcap-Core

[R2-2208311](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208311.zip) Introducing capability bit for RedCap UEs to indicate NCD-SSB support Ericsson discussion Rel-17 NR\_redcap-Core Late

[R2-2208383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208383.zip) Correction on description of SSB based intra-frequency measurement for RedCap UE CATT CR Rel-17 38.300 17.1.0 0539 - F NR\_redcap-Core

[R2-2208398](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208398.zip) CR for RACH operation during SI update when the active BWP contains no CD-SSB LG Electronics Inc. CR Rel-17 38.331 17.1.0 3414 - F NR\_redcap-Core

#### 6.12.2.2 Other RRC corrections

Contributions on any other RRC issues.

[R2-2207054](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207054.zip) Clarification on support of eDRX OPPO CR Rel-17 38.331 17.1.0 3213 - F NR\_redcap-Core

[R2-2207055](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207055.zip) Clarification on UE support of eDRX OPPO CR Rel-17 38.306 17.1.0 0757 - F NR\_redcap-Core

[R2-2207069](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207069.zip) Discussion on inter-RAT mobility from LTE to NR OPPO discussion Rel-17 NR\_redcap-Core

[R2-2207209](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207209.zip) 38.331 Corrections on PDCCH-ConfigCommon for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.1.0 NR\_redcap-Core

[R2-2207230](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207230.zip) Correction on inter-RAT handover from E-UTRA to NR for RedCap Sequans Communications, Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0505 - F NR\_redcap-Core

[R2-2207386](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207386.zip) Alignment on the support of 2TX and 2UL MIMO for RedCap UEs Intel Corporation, Huawei discussion Rel-17 NR\_redcap-Core

[R2-2207620](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207620.zip) Corrections on PDCCH-ConfigCommon for RedCap initial BWP Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3297 - F NR\_redcap-Core

[R2-2207621](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207621.zip) Corrections on the relaxed measurement criterion and smtc field for RedCap Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3298 - F NR\_redcap-Core

[R2-2207747](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207747.zip) Discussion on NCD SSB for RedCap UEs vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

R2-2207749 Correction on capability for RedCap vivo, Guangdong Genius CR Rel-17 38.306 17.1.0 0777 - F NR\_redcap-Core Late

[R2-2207751](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207751.zip) Correction on TS 38.300 for RedCap vivo CR Rel-17 38.300 17.1.0 0517 - F NR\_redcap-Core

[R2-2207996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207996.zip) Inter-RAT handover from LTE to NR MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2208155](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208155.zip) Correction on UERadioPagingInformation and UERadioPagingInfo container Ericsson CR Rel-17 38.331 17.1.0 3364 - F NR\_newRAT-Core, NR\_redcap-Core Withdrawn

[R2-2208309](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208309.zip) Clarification on the field description of commonControlResourceSet for RedCap UEs Ericsson CR Rel-17 38.331 17.1.0 3402 - F NR\_redcap-Core

[R2-2208310](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208310.zip) Paging configuration for RedCap UEs in the initial DL BWP Ericsson discussion Rel-17 NR\_redcap-Core Late

[R2-2208385](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208385.zip) Corrections on RedCap specific initial DL BWP related description CATT CR Rel-17 38.331 17.1.0 3413 - F NR\_redcap-Core

[R2-2208386](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208386.zip) Discussion and TP on the SI request on SUL for RedCap CATT discussion Rel-17 NR\_redcap-Core

[R2-2208438](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208438.zip) Remaining aspect on RedCap initial DL BWP CMCC discussion Rel-17 NR\_redcap-Core

[R2-2208439](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208439.zip) Corrections on RedCap initial DL BWP CMCC CR Rel-17 38.331 17.1.0 3420 - F NR\_redcap-Core

[R2-2208631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208631.zip) Correction on eDRX allowed indication and PDCCH-ConfigCommon ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3456 - F NR\_redcap-Core

[R2-2208632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208632.zip) Correction on eDRX allowed indication and BFD ZTE Corporation, Sanechips CR Rel-17 38.300 17.1.0 0544 - F NR\_redcap-Core

#### 6.12.2.3 Idle inactive mode corrections

Contributions on 38.304 issues

[R2-2207007](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207007.zip) Correction to description of first-PDCCH-MonitoringOccasionOfPO Samsung Electronics Co., Ltd draftCR Rel-17 38.304 17.1.0 NR\_redcap-Core

[R2-2207207](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207207.zip) 38.304 Correction on the e-DRX for Redcap Xiaomi Communications draftCR Rel-17 38.304 17.1.0 NR\_redcap-Core

[R2-2207622](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207622.zip) Corrections on the intra-FreqReselection and eDRX supporting for RedCap Huawei, HiSilicon CR Rel-17 38.304 17.1.0 0265 - F NR\_redcap-Core

[R2-2207750](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207750.zip) Discussion on cellBar for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2208112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208112.zip) Miscellaneous correction on eDRX ZTE Corporation, Sanechips CR Rel-17 38.304 17.1.0 0271 - F NR\_redcap-Core

[R2-2208221](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208221.zip) Correction on eDRX-Allowed indication Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.1.0 0274 - F NR\_redcap-Core

### 6.12.3 User Plane

#### 6.12.3.1 MAC aspects

[R2-2207008](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207008.zip) BWP Switching upon SI request ack Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.1.0 NR\_redcap-Core

[R2-2207009](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207009.zip) BWP Switching in RRC\_IDLE\_RRC\_INACTIVE\_upon RA initiation Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.1.0 NR\_redcap-Core

[R2-2207010](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207010.zip) Corrections to BWP inactivity timer (re)start criteria upon reception of PDCCH for BWP switching Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.1.0 NR\_redcap-Core

[R2-2207208](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207208.zip) 38.321 Correction on the BWP operations for Redcap Xiaomi Communications draftCR Rel-17 38.321 17.1.0 NR\_redcap-Core

[R2-2207903](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207903.zip) RedCap support for sending BFR MAC CE for SpCell BFR Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2207904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207904.zip) Correction on RedCap support for sending BFR MAC CE for SpCell BFR Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.1.0 0782 - F NR\_redcap-Core

[R2-2208384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208384.zip) Correction on dormantBWP for RedCap in TS 38.321 CATT CR Rel-17 38.321 17.1.0 1385 - F NR\_redcap-Core

## 6.13 SON MDT

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: RP-201281)

Tdoc Limitation: 4 tdocs

WI is declared 100% complete

### 6.13.1 Organizational and Stage-2

LS in etc. CR Rapporteurs to provide input CRs, and Provide resolution proposals for smaller and editorial corrections. For Editorial corrections please discuss with CR Rapporteur. Stage-2 corrections and system level discussions, if needed

[R2-2206934](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206934.zip) LS on M6 Delay Threshold (R3-224079; contact: CATT) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh To:SA5 Cc:RAN2

[R2-2206979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206979.zip) LS on Reply LS on beam measurement reports (S5-223524; contact: Ericsson) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh To:RAN3, RAN2

[R2-2207472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207472.zip) Addition of SON Features Enhancement in Stage 2 CATT CR Rel-17 38.300 17.1.0 0511 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208234](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208234.zip) Correction to Logged MDT type handling Nokia, Nokia Shanghai Bell CR Rel-17 37.320 17.1.0 0120 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208539.zip) CR to 38300 on SHR and RACH optimization ZTE Corporation, Sanechips CR Rel-17 38.300 17.1.0 0541 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.3 SON Corrections

[R2-2207156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207156.zip) Correction on RACH Optimization for 2-step RA vivo CR Rel-17 38.300 17.1.0 0499 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207473.zip) [C321] Correction on SHR Configuration Release CATT CR Rel-17 38.331 17.1.0 3268 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207474.zip) [C315] [C328] Clarification on Neighbour Cell Measurement CATT CR Rel-17 38.331 17.1.0 3269 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207945.zip) Discussion on logging of PSCell information in MHI Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207946.zip) Introduction of SHR in TS 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0520 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207947](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207947.zip) Corrections to TS 38.331 on SON and MDT Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3332 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208166](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208166.zip) Correction to time with no PSCell in mobility history information reporting Ericsson CR Rel-17 38.331 17.1.0 3366 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208167](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208167.zip) PSCell information storing in Mobility History Information [E120, E121, E122] Ericsson, Qualcomm, CMCC, CATT CR Rel-17 38.331 17.1.0 3367 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208168](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208168.zip) Corrections to the RLF-Report for the case of RLF in the CHO recovery cell Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208235](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208235.zip) Avoidance of too premature successHO-Config release Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3384 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208236](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208236.zip) Correction on MHI setting upon UEInformationRequest Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3385 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.4 MDT Corrections

[R2-2207475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207475.zip) Corrections on MDT Aspect CATT CR Rel-17 38.331 17.1.0 3270 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2207948](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207948.zip) Discussion on capturing L2M agreements in TS 38.314 Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2208165 Total RAN Delay calculation Ericsson CR Rel-17 38.331 17.1.0 3365 - F NR\_ENDC\_SON\_MDT\_enh-Core Withdrawn

[R2-2208206](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208206.zip) Total RAN Delay calculation Ericsson CR Rel-17 38.314 17.1.0 0024 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208237](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208237.zip) Correction on IDC logging Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3386 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208540.zip) CR to 38331 on multiple CEF report ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3435 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2208541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208541.zip) Remianing issues on multiple CEF report ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

## 6.14 NR QoE

(NR\_QoE-Core; leading WG: RAN3; REL-17; WID: RP-211406)

Tdoc Limitation: 2 tdocs

### 6.14.1 Organizational

Including incoming LSs, rapporteur inputs, etc.

Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications etc - please contact the Rapporteur before providing contributions on those aspects.

[R2-2206906](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2206906.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206906.zip) Reply LS on UE capabilities for NR QoE (C1-224008; contact: Apple) CT1 LS in Rel-17 NR\_QoE-Core To:RAN2 Cc:SA4

[R2-2206908](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206908.zip) Reply LS on NR QoE (C1-224182; contact: Huawei) CT1 LS in Rel-17 NR\_QoE-Core To:RAN2 Cc:SA4, RAN3, SA5

[R2-2206978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206978.zip) LS Reply on QoE configuration and reporting related issues (S5-223518; contact: Ericsson) SA5 LS in Rel-17 eQoE To:SA4, RAN3 Cc:RAN2

[R2-2208627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208627.zip) 38.300 CR Correction for Introduction of QoE measurements in NR China Unicom, Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0543 - F NR\_QoE-Core

### 6.14.2 Corrections

Including essential corrections to QoE measurements.

[R2-2207425](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207425.zip) Clarification of CAPC for SRB4 Apple CR Rel-17 38.331 17.1.0 3261 - F NR\_QoE-Core

[R2-2207426](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207426.zip) Clarification of QoE Reporting with Session Start/Stop Information Apple CR Rel-17 38.331 17.1.0 3262 - F NR\_QoE-Core

[R2-2207530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207530.zip) Discussion on application layer measurement reporting procedure and AT commands for NR QoE Lenovo discussion Rel-17 NR\_QoE-Core

R2-2207531 Corrections to application layer measurement reporting procedure Lenovo draftCR Rel-17 38.331 17.1.0 F NR\_QoE-Core Late

[R2-2207722](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207722.zip) Correction CR for QoE measurements Ericsson, Huawei CR Rel-17 38.331 17.1.0 3303 - F NR\_QoE-Core

[R2-2207723](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207723.zip) Correction CR for QoE measurements Ericsson CR Rel-17 38.300 17.1.0 0514 - F NR\_QoE-Core

[R2-2207734](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207734.zip) Correction on QoE configuration and reporting Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3305 - F NR\_QoE-Core

[R2-2207821](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207821.zip) Correction on TS 38.331 for QoE CATT CR Rel-17 38.331 17.1.0 3318 - F NR\_QoE-Core

[R2-2207949](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207949.zip) Correction to the application layer measurement configuration Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0521 - F NR\_QoE-Core

[R2-2207950](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207950.zip) Correction to the transmission of appLayerSessionStatus when pause is enabled Huawei, HiSilicon, China Unicom CR Rel-17 38.331 17.1.0 3333 - F NR\_QoE-Core

[R2-2208238](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208238.zip) Correction to storage of application layer measurements during Pause Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3387 - F NR\_QoE-Core

[R2-2208239](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208239.zip) Correction to paused reporting of the application layer measurements Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3388 - F NR\_QoE-Core

[R2-2208393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208393.zip) Correction on MeasurementReportAppLayer message per measConfigAppLayerId Samsung draftCR Rel-17 38.331 17.1.0 F NR\_QoE-Core

[R2-2208394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208394.zip) Correction on QoE report only including measConfigAppLayerId Samsung draftCR Rel-17 38.331 17.1.0 F NR\_QoE-Core

[R2-2208479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208479.zip) Correction on MeasurementReportAppLayer retransmission Google Inc. CR Rel-17 38.331 17.1.0 3426 - F NR\_QoE-Core

[R2-2208547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208547.zip) CR to 38300 on RRC segmentation ZTE Corporation, Sanechips, China Unicom CR Rel-17 38.300 17.1.0 0542 - F NR\_QoE-Core

### 6.14.3 UE capabilities

Corrections to features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

## 6.15 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: RP-202846)

Tdoc Limitation: 4 tdocs

Note some agenda item(s) may use pre-meeting discussion based on a summary document.

### 6.15.1 Organizational

Including incoming LSs, rapporteur inputs, etc.

[R2-2206915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206915.zip) Reply LS on the inter-UE coordination mechanism (R1-2205400; contact: vivo) RAN1 LS in Rel-17 NR\_SL\_enh-Core To:RAN2

[R2-2208598](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208598.zip) Discussion and draft Reply LS to RAN1 on priority for IUC information vivo discussion Rel-17

### 6.15.2 Stage 2 corrections

[R2-2207175](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207175.zip) Correction on TX profile Xiaomi CR Rel-17 38.300 17.1.0 0501 - F NR\_SL\_enh-Core

[R2-2207216](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207216.zip) Discussion on SL DRX remaining issues ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2208183](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208183.zip) Open issue on SL-DRX Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

[R2-2208220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208220.zip) Sidelink enhancement stage 2 corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.300 17.1.0 NR\_SL\_enh-Core

[R2-2208222](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208222.zip) Further considerations on sidelink IUC scheme 2 Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh-Core

[R2-2208257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208257.zip) Correction on SL DRX for SL discovery Samsung CR Rel-17 38.300 17.1.0 0537 - F NR\_SL\_enh-Core

[R2-2208605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208605.zip) Down selection of SR configuration for SL DRX MAC Command CE Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh-Core

### 6.15.3 Control plane corrections

[R2-2207016](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207016.zip) Correction for SL DRX OPPO CR Rel-17 38.331 17.1.0 3206 - F NR\_SL\_enh-Core

[R2-2207017](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207017.zip) Discussion on left issues on control plane procedure OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2207172](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207172.zip) Removal of three priority parameters in SL-InterUE-CoordinationConfig NEC Corporation discussion Rel-17

[R2-2207213](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207213.zip) Corrections on RRC for SL enhancements ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3233 - F NR\_SL\_enh-Core

[R2-2207251](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207251.zip) Corrections of 38.331 on RRCReconfigurationCompleteSidelink Ericsson draftCR Rel-17 38.331 17.1.0 F NR\_SL\_enh-Core Withdrawn

[R2-2207281](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207281.zip) Error handling on PC5 MediaTek Inc. discussion Rel-17

[R2-2207456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207456.zip) Discussion on missing RRC parameter in IUC Scheme 2 Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2207523](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207523.zip) Corrections on the reception of RRCReconfigurationSidelink message CATT CR Rel-17 38.331 17.1.0 3274 - F NR\_SL\_enh-Core

[R2-2207524](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207524.zip) Corrections on the transmission of SidelinkUEInformationNR message CATT CR Rel-17 38.331 17.1.0 3275 - F NR\_SL\_enh-Core

[R2-2207587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207587.zip) Corrections of 38.331 on RRCReconfigurationCompleteSidelink Ericsson CR Rel-17 38.331 17.1.0 3288 - F NR\_SL\_enh-Core

[R2-2207668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207668.zip) On corrections to transmission procedures using exceptional pool for NR SL communication and NR SL discovery vivo discussion

[R2-2207669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207669.zip) On power-saving resource allocation for NR SL communication transmission and NR SL discovery transmission vivo discussion

[R2-2207760](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207760.zip) Miscellaneous corrections on TS 38.331 for NR sidelink Xiaomi CR Rel-17 38.331 17.1.0 3308 - F NR\_SL\_enh-Core

[R2-2207970](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207970.zip) Open issues for IUC Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

[R2-2208053](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208053.zip) Miscellaneous corrections on TS 38.331 for SL enhancements Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3348 - F NR\_SL\_enh-Core

[R2-2208284](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208284.zip) Clarification of NULL security algorithm Samsung Electronics Co., Ltd CR Rel-17 38.331 17.1.0 3397 - A 5G\_V2X\_NRSL-Core

[R2-2208287](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208287.zip) Clarification of NULL security algorithm Samsung Electronics Co., Ltd CR Rel-16 38.331 16.9.0 3398 - F 5G\_V2X\_NRSL-Core

### 6.15.4 User plane corrections

[R2-2206984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206984.zip) Correction on IUC for resource re-selection in re-evaluation and pre-emption SHARP Corporation CR Rel-17 38.321 17.1.0 1304 - F NR\_SL\_enh-Core

[R2-2206985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206985.zip) Correction on resource re-selection for non-preferred resource set SHARP Corporation CR Rel-17 38.321 17.1.0 1305 - F NR\_SL\_enh-Core

[R2-2207029](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207029.zip) Discussion on left issues on user plane procedure OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2207030](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207030.zip) Correction on user plane aspects OPPO CR Rel-17 38.321 17.1.0 1306 - F NR\_SL\_enh-Core

[R2-2207174](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207174.zip) Discussion on retransmission issue Xiaomi discussion

[R2-2207183](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207183.zip) Correction on SL grant selection procedure NEC Corporation CR Rel-17 38.321 17.1.0 1307 - F NR\_SL\_enh-Core

[R2-2207214](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207214.zip) Correction on MAC for SL enhancement ZTE Corporation, Sanechips CR Rel-17 38.321 17.1.0 1309 - F NR\_SL\_enh-Core

[R2-2207215](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207215.zip) Discussion on inter-UE coordination ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2207248](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207248.zip) Impact of IUC inofmation on LCP Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2207249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207249.zip) Configuration aspects of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2207250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207250.zip) Remaing issues on power saving resource allocation Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2207454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207454.zip) Correction on TX Pool Selection for Inter-UE Coordination Apple CR Rel-17 38.321 17.1.0 1319 - F NR\_SL\_enh-Core

[R2-2207455](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207455.zip) Clarification on destination selection for Inter-UE Coordination Apple CR Rel-17 38.321 17.1.0 1320 - F NR\_SL\_enh-Core

[R2-2207525](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207525.zip) UP Leftover Issues on SL DRX CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2207526](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207526.zip) Open Issues of Inter-UE Coordination CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2207759](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207759.zip) Miscellaneous corrections on TS 38.321 for NR sidelink Xiaomi CR Rel-17 38.321 17.1.0 1337 - F NR\_SL\_enh-Core

[R2-2207850](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207850.zip) Correction for Sidelink DRX Sharp discussion Rel-17 NR\_SL\_enh-Core

[R2-2207851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207851.zip) Correction for Sidelink DRX Sharp CR Rel-17 38.321 17.1.0 1354 - F NR\_SL\_enh-Core

[R2-2207887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207887.zip) Correction on SL DRX behaviour for unicast link establishment Lenovo CR Rel-17 38.321 17.1.0 1346 - F NR\_SL\_enh-Core

[R2-2207890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207890.zip) LCP impacts for SL inter-UE coordination Lenovo discussion Rel-17 NR\_SL\_enh-Core

[R2-2208054](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208054.zip) Correction on inter-UE coordination Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1366 - F NR\_SL\_enh-Core

[R2-2208055](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208055.zip) Clarification on Uu DRX for SL communication Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2208056](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208056.zip) Consideration on active time during unicast connection establishment Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1367 - F NR\_SL\_enh-Core

[R2-2208057](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208057.zip) Correction on sl-drx-inactivityTimer and LCP for discovery Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1368 - F NR\_SL\_enh-Core

[R2-2208148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208148.zip) HARQ RTT for pools without PSFCH InterDigital discussion Rel-17 NR\_SL\_enh-Core

[R2-2208149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208149.zip) SR Configuration for SL DRX Command InterDigital discussion Rel-17 NR\_SL\_enh-Core

[R2-2208150](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208150.zip) UL/SL Prioritization for SL Relay InterDigital discussion Rel-17 NR\_SL\_enh-Core

[R2-2208258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208258.zip) Correction on SL grant (re)selection based on sl-interUE-CoordinationSchemeN Samsung CR Rel-17 38.321 17.1.0 1374 - F NR\_SL\_enh-Core

[R2-2208365](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208365.zip) Correction on DRX timers for SL ASUSTeK CR Rel-17 38.321 17.1.0 1382 - F NR\_SL\_enh-Core

[R2-2208513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208513.zip) Correction to inter-UE coordination information triggered by a condition Qualcomm India Pvt Ltd CR Rel-17 38.321 17.1.0 1387 - B NR\_SL\_enh-Core

[R2-2208549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208549.zip) Corrections on SL DRX operation ASUSTEK COMPUTER (SHANGHAI) CR Rel-17 38.321 17.1.0 1390 - F NR\_SL\_enh-Core

[R2-2208599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208599.zip) Correction on UE behavior in LCP considering PSFCH reception capability vivo CR Rel-17 38.321 17.1.0 1394 - F NR\_SL\_enh-Core

[R2-2208602](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208602.zip) Remaining issues for Inter-UE coordination procedure vivo discussion Rel-17

## 6.16 NR Non-Public Network enhancements

(WI NG\_RAN\_PRN\_enh-Core; leading WG: RAN3; REL-17; WID: RP-202363)

Tdoc Limitation: 1

* [AT119-e][027][NPN] NPN corrections (ZTE)

Scope: Treat [R2-2207163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207163.zip), [R2-2207501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207501.zip), [R2-2208624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208624.zip). Determine agreeable parts. For agreeable parts, agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2207163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207163.zip) CR on the ims-EmergencySupport for the SNPN and PLMN RAN sharing scenario ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3224 - F NG\_RAN\_PRN\_enh-Core

[R2-2207501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207501.zip) Correction to 38.300 on GIN Huawei, HiSilicon CR Rel-17 38.300 17.1.0 0512 - F NG\_RAN\_PRN\_enh-Core

[R2-2208624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208624.zip) Changing the gins-PerSNPN-List Need Code Ericsson discussion Rel-17 NG\_RAN\_PRN\_enh-Core

## 6.17 NR feMIMO

(NR\_feMIMO-Core; leading WG: RAN1; REL-17; WID: RP-212535)

Tdoc Limitation: 2 tdocs

### 6.17.1 Organizational

LS in, CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur

[R2-2206926](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206926.zip) LS on RAN1#109-e agreements with RAN2 impact (R1-2205591; contact: Samsung) RAN1 LS in Rel-17 NR\_FeMIMO-Core To:RAN2

* noted

### 6.17.2 RRC centric Corrections

[R2-2208906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208906.zip) [Pre119-e][002][feMIMO] RRC centric summary (Ericsson) Ericsson discussion Rel-17 NR\_FeMIMO-Core

DISCUSSION

* LG think P10 is the UL version of P7
* Ericsson think R1 is discussing the relation between additional PCI and cell id for QCL. (P8 P7)
* P8: Nokia would be ok to send LS. Intel agrees that we should send LS. LG agrees.

P2

* Oppo think the R1 mapping solution is different, think R1 TS is more stable.
* Intel think there is a R1 CR to align with R2 TS.
* Chair: If it seems R1 will change, then we wait for R1 progress.
* The following proposals are agreed, details can be reviewed based on the CR.

1 RAN2 to agree to adopt Change 1 and 2 from R2-2207127

4 RAN2 to agree on editorial Change 2 and 3 from R2-2207369.

5 RAN2 to agree on change 5 and 6 in R2-2207773, additionally:

b. Agree change 2 modified: replace “if csi-rs or srs is included” with “if referenceSignal is set to csi-RS-index or to srs”

c. Agree change 3 modified: Add the following clarification in the field description of field unifiedTCI-StateType “Network only configures the field in the serving cell that is configured with only one value for the coresetPoolIndex”

d. Agree Change 4 modified: For servingAdditionalPCIList use "configured using the additionalPCI-ToAddModList"

e. Agree on Change 5 and 6

9 RAN2 to adopt Change 1 from R2-2208558

11 RAN2 to adopt two first editorials of Change 3 from R2-2208558. Removal of the restriction to be discussed separately (see Prop 8)

12 RAN2 to agree Proposals 1 and 2 of R2-2208652.

* Send LS to RAN1 on checking the field description of “cell” in IE QCL-Info and “servingCellId” in IE TCI-UL-State (can also ask other details)

*Chair: We move P6 to MAC discussion.*

(2 3 7 13 14 10 no decision)

*Chair: Continue offline*

* [AT119-e][002][feMIMO] RRC centric (Ericsson)

Scope: 1) Based on online progress and discussion, continue identify agreeable parts.   
2) LS out to RAN1, 3) RRC CR capturing agreements and agreeable parts.

Intended outcome: LS out, Report, RRC CR

Deadline: LS out; can do interactive discussion asap, other deadlines set by rapporteur. CB possibilities W2 tue, wed, fri

[R2-2208963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208963.zip) DRAFT LS on further questions on feMIMO RRC parameters Ericsson

Q1

* ZTE would like to specify that the questions are for the scenario then QCLtypeX is for SSB. CATT think this is only for 1a.
* Intel would like to ask more fundamentally what is the relation between servcellindex in QCL-typeX and additionalPCI, when additionalPCI is configured. Ericsson think this is ok (somewhat rephrased). LG support to ask this
* OPPO think that this assumption is clear that additionalPCI is associated with a cell with QCL-info. Intel then wonder if servingcell info is not needed. ZTE agrees.
* Apple find caps-lock typo to be corrected; ON
* Lenovo wonder why additionalPCI resource need to have a serving cell resource. Ericsson think that this is all under serving cell configuration. Lenovo then think the cell info for QCL is redundant. Ericsson think we indeed are asking this.

Q2

* Oppo think 2b should be asked also with Q4. Xiaomi think this is applicable for both Q2 and Q4, can have the same question there.

PHR

* Oppo proposes to remove a and instead just add “when to report Type 1 PH” to b.
* LG think that asking the full understanding is better, prefer current text.
* Scenario clarification for 1a, QCLtypeX is for SSB
* Ask also more fundamentally what is the relation between servcellindex in QCL-typeX and additionalPCI, when additionalPCI is configured.
* Q2b also asked for Q4
* PHR: Change “in” to “for” (two places)
* With these changes the LS out is approved (can have draft for review during meeting), if no new objections within 1h after online session close, then final approval, in R2-2208964

[R2-2207923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207923.zip) Corrections for Release-17 feMIMO Ericsson CR Rel-17 38.331 17.1.0 3325 - F NR\_FeMIMO-Core [R2-2207733](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207733.zip)

Moved Here

[R2-2207127](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207127.zip) Clarification on search space link id and others OPPO CR Rel-17 38.331 17.1.0 3218 - F NR\_FeMIMO-Core

[R2-2207369](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207369.zip) Correction on 38.331 for feMIMO Langbo CR Rel-17 38.331 17.1.0 3253 - F NR\_FeMIMO-Core

[R2-2207733](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207733.zip) Discussion on Rel-17 MIMO RRC corrections Ericsson discussion Rel-17 NR\_FeMIMO-Core Revised

[R2-2207773](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207773.zip) Miscellaneous RRC corrections for feMIMO CATT CR Rel-17 38.331 17.1.0 3312 - F NR\_FeMIMO-Core

[R2-2207810](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207810.zip) Clarification on the initial state of BFD RS Xiaomi draftCR Rel-17 38.331 17.1.0 F NR\_FeMIMO-Core

[R2-2208557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208557.zip) CR on 38.331 for TCI-state ZTE Corporation,Sanechips CR Rel-17 38.331 17.1.0 3441 - F NR\_FeMIMO-Core

[R2-2208558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208558.zip) CR on 38.331 for TCI-UL-state ZTE Corporation,Sanechips CR Rel-17 38.331 17.1.0 3442 - F NR\_FeMIMO-Core

[R2-2208652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208652.zip) FeMIMO RRC corrections Huawei, HiSilicon discussion Rel-17 NR\_FeMIMO-Core

### 6.17.3 MAC centric Corrections

R2-2208923 MAC centric summary – focus on initial topic Samsung

DISCUSSION

P2

* ZTE think network is always allowed to send the MAC CE and it is up to network to not cause ambiguity. On 2nd bullet, think this is RAN1 reponsibility.
* Oppo think this related to UE cap, If the UE doesn’t support MAC CE then the network need to configure by RRC, and take this as activated resources. IF supporting MAC CEs then UE need to wait.
* Huawei think ti could be simple. If the UE has the information required for BFD the UE does it otherwise not. Don’t need to ask R1 for this very temporary situation .
* Intel think the motivation is that if there are more than two resources then MAC CE would be used. Think the MAC CE is only needed when no resources > 2 and this could be clarified.
* Xiaomi think there can be different network impl, with and wo MAC CEs. Networks wo MAC CE support can configure up to 2 resources.
* Chair: Continue offline

P3

* Two candidate solutions, LG and QC. Samsung think we need to resolve this in any case.
* LG think QC text is not sufficient to resolve this, not clear how the UE obtain the value. QC think the UE behaviour is clear in R1, think the timing is the decision critieron
* ZTE think L1 determines this. Think the case of no PHR mode configured is missing in R1 spec and this need to be addressed. R2 TS should refer to R1 TS we can ask R1 to capture details.
* LG think that L1 doesn’t know which MAC entity is configured with 2PHRmode
* Nokia think we can agree intention first. Think the QC paper describes it well.
* Huawei think that if the UE reports one value, there is anyway missing information, and this will not help the network operation. Intel agrees.
* Chair: Continue offline

P4

* HW think this is not for thie WI
* Nokia think that if the network decides to not use dyn power sharing it can be disabled, e.g. for the situation that we cannot report two PH.
* LG think the principle is that all PH for all MAC entities are reported in ONE PHR.
* ZTE think that if two PH values are important then itg can be made mandatory.
* Chair: Continue offline

P5

* LG has different understanding, type 3 text applies.

P6

* QC think that if current MAC CE can work, we don’t change it now
* OPPO ZTE Huawei LGE agrees
* Nokia think this was mainly a mistake last meeting.
* Chair: can keep open and CB towards the end of meeting (but there seems to be significant opposition).

P7

* This change try to clarify the mapping between TCI code point and configuration. OPPO think there is no serious problem b ut can agree to clarify last part of P7
* *BFI\_COUNTER* of a BFD-RS set is set to 0 if the reference signals used for beam failure detection are updated by the BFD-RS Indication MAC CE.
* [AT119-e][001][feMIMO] MAC centric (Samsung)

Scope: 1) Based on online progress and discussion, continue identify agreeable parts.   
2) MAC CR capturing agreements and agreeable parts.

Intended outcome: Report, RRC CR

Deadline deadlines set by rapporteur. CB possibilities W2 tue, wed, fri

[R2-2208526](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208526.zip) Miscellaneous MAC Corrections on feMIMO Samsung CR Rel-17 38.321 17.1.0 1389 - F NR\_FeMIMO-Core

Moved Here

[R2-2207364](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207364.zip) BFD-RS set specific BFI\_COUNTER resetting Langbo CR Rel-17 38.321 17.1.0 1313 - F NR\_FeMIMO-Core

[R2-2207365](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207365.zip) Correction on 38.321 for feMIMO Langbo CR Rel-17 38.321 17.1.0 1314 - F NR\_FeMIMO-Core

[R2-2207405](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207405.zip) Correction to BFI\_COUNTER reset Fujitsu CR Rel-17 38.321 17.1.0 1315 - F NR\_FeMIMO-Core

[R2-2207570](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207570.zip) CR for correction on PH selection LG Electronics Inc. CR Rel-17 38.321 17.1.0 1324 - F NR\_FeMIMO-Core

[R2-2207774](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207774.zip) Miscellaneous MAC corrections for feMIMO CATT CR Rel-17 38.321 17.1.0 1338 - F NR\_FeMIMO-Core

[R2-2207809](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207809.zip) Clarification on the deactivated SCell of the unified TCI-state Xiaomi draftCR Rel-17 38.321 17.1.0 F NR\_FeMIMO-Core

[R2-2208018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208018.zip) Remaining issues on PHR for FeMIMO Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_FeMIMO-Core

[R2-2208114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208114.zip) Remaining issues of feMIMO MAC Qualcomm Incorporated discussion Rel-17 NR\_FeMIMO-Core

[R2-2208366](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208366.zip) Corrections on Unified TCI States Activation/Deactivation MAC CE ASUSTeK CR Rel-17 38.321 17.1.0 1383 - F NR\_FeMIMO-Core

[R2-2208527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208527.zip) Handling of BFD-RS Set Configuration and Activation Samsung discussion NR\_FeMIMO-Core

[R2-2208653](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208653.zip) Corrections to FeMIMO MAC Huawei, HiSilicon CR Rel-17 38.321 17.1.0 1397 - F NR\_FeMIMO-Core

Withdrawn

[R2-2207731](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207731.zip) Corrections for Release-17 feMIMO Ericsson CR Rel-17 38.331 17.1.0 3304 - F NR\_FeMIMO-Core Withdrawn

## 6.18 RACH indication and partitioning

Tdoc Limitation: 2 tdocs

Expected to cover WIs SDT, CovEnh, RedCap, RAN slicing. RA specific aspects from the different WI should be covered in this AI given the RA experts are all there.

### 6.18.1 Common signalling framework

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed in a contributions with CR in the appendix of the contribution

[R2-2207679](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207679.zip) Miscellaneous corrections to slice-specific RACH configuration Spreadtrum Communications discussion Rel-17

[R2-2207820](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207820.zip) Correction on TS 38 331 for RACH common CATT CR Rel-17 38.331 17.1.0 3317 - F NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

[R2-2207981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207981.zip) Correction on startPreambleForThisPartition ZTE Corporation, Sanechips, Ericsson CR Rel-17 38.331 17.1.0 3341 - F NR\_redcap-Core

[R2-2207982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207982.zip) Configuration of preambles for feature combination ZTE Corporation, Sanechips discussion

[R2-2207989](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207989.zip) RRC corrections to common RACH framework Huawei, HiSilicon draftCR Rel-17 38.331 17.1.0 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2207997](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207997.zip) On the number of RACH partitions MediaTek Inc. discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

[R2-2208240](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208240.zip) Miscellaneous corrections to common signalling for RACH partitioning Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3389 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2208399](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208399.zip) Correction on Feature Combination LG Electronics Inc. CR Rel-17 38.331 17.1.0 3415 - F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

### 6.18.2 Common aspects of RACH procedure

A single CR with miscelaneous corrections is encouraged. Small editorial corrections should be sent directly to rapporteur. Big open issues can be discussed with contributions with CR in the appendix of the contribution

[R2-2207905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207905.zip) UL carrier selection for RA-SDT Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.1.0 1353 - F NR\_SmallData\_INACTIVE-Core

[R2-2207990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207990.zip) MAC correction to the RACH partitioning Huawei, HiSilicon draftCR Rel-17 38.321 17.1.0 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2208131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208131.zip) Correction to CFRA with additionalRACH-Configs Ericsson discussion Rel-17 NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

[R2-2208132](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208132.zip) Correction to CFRA with additionalRACH-Configs Ericsson CR Rel-17 38.321 17.1.0 1372 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

[R2-2208400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208400.zip) Correction on fallback cases from CFRA to CBRA in CE-only BWP LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2208614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208614.zip) 38.321 CR Correction on the provision of the feature applicability for RACH Beijing Xiaomi Software Tech draftCR Rel-17 38.321 17.1.0 F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2208662](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208662.zip) Correction on RO Selection with RA Partitioning vivo CR Rel-17 38.321 17.1.0 1398 - F NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

## 6.19 Coverage Enhancements

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: RP-211566)

Tdoc Limitation: 2 tdoc

Common aspects related to RACH indication (in MSG1) / RACH partitioning shall be submitted to 6.18

### 6.19.1 Organizational

Rapporteur input, incoming LS etc. CR Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications, etc - please contact the CR rapporteurs before providing contributions on those aspects.

[R2-2206960](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206960.zip) Reply LS to RAN1/RAN2 on DMRS bundling (R4-2211225; contact: MediaTek) RAN4 LS in Rel-17 NR\_cov\_enh To:RAN1, RAN2

[R2-2207891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207891.zip) Miscellaneous corrections to NR coverage enhancements Huawei, HiSilicon, China Telecom, ZTE Corporation CR Rel-17 38.331 17.1.0 3323 - F NR\_cov\_enh-Core

### 6.19.2 General

All aspects.

[R2-2207130](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2207130.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207130.zip) Discussion on Capability of DMRS Bundling vivo discussion Rel-17 NR\_cov\_enh

[R2-2207132](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207132.zip) Clarification on only CE RACH Resources vivo CR Rel-17 38.300 17.1.0 0497 - F NR\_cov\_enh

[R2-2208184](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208184.zip) Correction of need codes and field descriptions for DMRS bundling Ericsson CR Rel-17 38.331 17.1.0 3375 - F NR\_cov\_enh-Core

## 6.20 Extending NR operation to 71GHz

(NR\_ext\_to\_71GHz-Core; leading WG: RAN1; REL-17; WID: RP-212637)

Tdoc Limitation: 3 tdocs

Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications etc - please contact the Rapporteur before providing contributions on those aspects.

### 6.20.1 Organizational

Including LSs and any rapporteur inputs.

[R2-2206913](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206913.zip) LS to RAN2 on RRC parameter updates for NR up to 71GHz (R1-2205380; contact: Qualcomm) RAN1 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN2

[R2-2206925](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206925.zip) LS on TCI assumption for RSSI measurement for FR2-2 (R1-2205582; contact: Qualcomm) RAN1 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN4, RAN2

[R2-2206956](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206956.zip) LS on CCA configurations of neighbour cells (R4-2211171; contact: Nokia) RAN4 LS in Rel-17 NR\_ext\_to\_71GHz-Core To:RAN1, RAN2

[R2-2207254](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207254.zip) discussion on RAN4 LS R4-2211171 Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2207256](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207256.zip) Correction of RRC CR for 71 GHz Ericsson CR Rel-17 38.331 17.1.0 3237 - F NR\_ext\_to\_71GHz-Core

[R2-2207985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207985.zip) Discussion on CCA configuration of neighbour cell ZTE Corporation, Sanechips discussion

### 6.20.2 Control plane corrections

Including essential control plane corrections to NR operation up to 71GHz.

[R2-2207253](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207253.zip) Corrections of UE Capabilityíes for FR2-2 Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2207255](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207255.zip) Discussion the need of BWP index for L3 RSSI measurement configuration Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2207460](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207460.zip) Discussion on CCA configurations of neighbour cells in FR2-2 Apple discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2207461](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207461.zip) [Draft] LS Reply on CCA configurations of neighbour cells in FR2-2 Apple LS out Rel-17 NR\_ext\_to\_71GHz-Core To:RAN4, RAN1

[R2-2207543](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207543.zip) CCA information for neighbour cells Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2207544](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207544.zip) CCA information for neighbour cells Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3276 - F NR\_ext\_to\_71GHz-Core

[R2-2207959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207959.zip) Release FR2-2 related preference indication configurations in RRC connection reestablishment Google Inc. CR Rel-17 38.331 17.1.0 3336 - F NR\_ext\_to\_71GHz-Core

[R2-2207983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207983.zip) CSI-RS related issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion

[R2-2207984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207984.zip) Inter-RAT measurement issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion

[R2-2208063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208063.zip) Discussion on RSSI measurement issues for FR2-2 Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2208064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208064.zip) Correction to PO configuration for FR2-2 Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3352 - F NR\_ext\_to\_71GHz-Core

[R2-2208065](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208065.zip) Discussion on the LS on the CCA configuration of neighbour cell Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2208252](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208252.zip) Channel Access Mode for Neighbor Cells Qualcomm Incorporated CR Rel-17 38.331 17.1.0 3390 - F NR\_ext\_to\_71GHz-Core

[R2-2208515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208515.zip) Discussion on a defalut value of duration-r17 for SCS 480 kHz and 960 kHz LG Electronics Inc. discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2208516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208516.zip) Correction on duration-r17 for SCS 480 KHz and 960 KHz LG Electronics Inc. CR Rel-17 38.321 17.1.0 1388 - F NR\_ext\_to\_71GHz-Core

### 6.20.3 User plane corrections

Including essential user plane corrections to NR operation up to 71GHz.

## 6.21 TEI17

### 6.21.1 TEI proposals

Including incoming LSes. Only TEI proposals in progress and Very Essential new proposals (if any at all), co-signed by at least one operator.

Tdoc Limitation: 1 tdoc

Online – if time allows

LS in

[R2-2206954](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206954.zip) LS on timing advance (TADV) report mapping for NR UL E-CID positioning (R4-2211167; contact: Ericsson) RAN4 LS in Rel-17 TEI17 To:RAN1, RAN3 Cc:RAN2

Chair: RAN2 is CCed, Proposed Noted [000]

[R2-2206958](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206958.zip) LS on Incorrect PMI Reporting (R4-2211204; contact: Apple) RAN4 LS in Rel-17 TEI17 To:RAN Cc:RAN1, RAN2

Chair: RAN2 is CCed, Proposed Noted [000]

[R2-2206904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206904.zip) Reply LS on EPS fallback enhancements (C1-223535; contact: Qualcomm) CT1 LS in Rel-17 TEI17 To:SA2, RAN2 Cc:SA3

Chair: Already decided last meeting. Proposed Noted [000]

[R2-2206974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206974.zip) Reply LS on EPS fallback enhancements (S3-221162; contact: Ericsson) SA3 LS in Rel-17 TEI17 To:RAN2 Cc:SA2, CT1

Chair: Already decided last meeting. Proposed Noted [000]

Emergency services fallback

[R2-2208617](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2208617.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208617.zip) Enhancements for emergency services fallback handling Huawei, HiSilicon, CMCC, China Telecom, China Unicom, Telecom Italia discussion Rel-17 TEI17

DISCUSSION

- Ericsson wonder what happens if the UE goes to another PLMN. HW think the UE is in limited service mode and UE is allowed emergency service (only).

- VDF think the intention is ok, but are concerned, and think acceptable cells should be last resort. Need to be re-written. Intel agrees, and think that acceptable cell should be the last resort.

- Intel understand that there is a SIB-flag that would need to checked. Huawei agrees, that the UE would look for Cells with this flag and only select cell among such cells.

- TMO has concerns of P2, risk to select another PLMN, think there may be UE impl that does this.

- Nokia wonder if there is something preventing the UE to do this? BT also has this question

- BT wonder if acceptable cell also could mean that UE does receive ETWS and CMAS.

- Huawei think that the latency of emergency service is important. After the service is over, then the UE will go back to suitable cell.

- vivo think is a MO case, and not just fallback.

- Nokia think that at HO failure the UE would attempt reestablishment first, this should be allowed.

- QC agrees that P1 is a correction and can thus be discussed. P2 think the UE can resolve this by itself (by UE implementation). QC think this could be a good compromise. TMO agrees.

Chair: There seems to be support for these behaviours (no definite objection), at least P1 (with some modification, e,g, VDF comment), possibly P2 (can maybe be left for UE impl). Some comments on the details, whether it can be done already today, what would be the detailed change, whether there could be unwanted side effects.

* [AT119-e][037][NRTEI17] Emergency Service Enhancement (Huawei)

Scope: Continue discussion on R2-2208617, Determine agreeable parts. For agreeable parts work on a CR.

Intended outcome: Report with agreements (offline only if possible), Agreed CR (can also be done as short Post discussion)

Deadline: EOM

* [AT119-e][038][NRTEI17] Comments on New proposals (Chair)

Scope: Collect a round of comments on the new TEI proposals in R2-2208241, R2-2207434, R2-2208430, R2-2208668, R2-2207938 in order to determine if any of these could be agreeable.

Intended outcome: Report for CB W2 Friday

Deadline: W2 Thursday 1800 UTC

MDT

[R2-2208241](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208241.zip) Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell, Deutsche Telekom, Verizon discussion Rel-17 TEI17, NR\_ENDC\_SON\_MDT\_enh-Core R2-2206144

SDAP

[R2-2207434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207434.zip) SDAP end-marker in RLC UM Apple, Futurewei, Spreadtrum, FGI, Asia Pacific Telecom, T-Mobile USA, ZTE Corporation discussion Rel-17 TEI17 R2-2205679

Remote Access

[R2-2208430](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208430.zip) Discussion on remote access issue CMCC, vivo, Huawei discussion Rel-18 TE

**DRX with bundling**

[R2-2208668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208668.zip) Correction to DRX operation with bundling controlled in the DCI Ericsson, Nokia, T-Mobile USA, Verizon, Docomo discussion Rel-17

Priority interfreq measurements

[R2-2207938](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207938.zip) Priority based inter-freq measurement reporting Apple discussion Rel-17 TEI17

*Moved from 6.21.2*

### 6.21.2 Corrections

Corrections CRs (Correction to TEI or TEI + other WI code) or detailed modifications to agreed proposals

* [AT119-e][020][NR17] TEI Corrections (vivo)

Scope: Treat [R2-2207607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207607.zip), [R2-2207608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207608.zip), [R2-2207609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207609.zip), [R2-2207610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207610.zip), [R2-2207529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207529.zip), [R2-2208372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208372.zip). Determine agreeable parts. For Agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

EPS Fallback

offline

[R2-2207607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207607.zip) Early measurement for EPS Fallback vivo discussion Rel-17 TEI17

[R2-2207608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207608.zip) 38331 CR for Early measurement for EPS Fallback vivo CR Rel-17 38.331 17.1.0 3292 - B TEI17

[R2-2207609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207609.zip) 38306 CR for Early measurement for EPS Fallback vivo CR Rel-17 38.306 17.1.0 0774 - B TEI17

[R2-2207610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207610.zip) LS to RAN4 on idle\_inactive measurement for EPS Fallback vivo LS out Rel-17 TEI17 To:RAN4

Others

[R2-2207529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207529.zip) Corrections to the description of gNB ID length reporting capabilities [gNB\_ID\_Length] Lenovo CR Rel-17 38.306 17.1.0 0769 - F TEI17

[R2-2208372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208372.zip) Corrections on mpsPriorityIndication Huawei, HiSilicon discussion Rel-17 TEI

## 6.22 NR and MR-DC measurement gap enhancements

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: RP-211591)

Tdoc Limitation: 2 tdocs

CR Rapporteur to provide baseline correction CR. For smaller corrections, text clarifications etc please contact CR editor.

BWP#0 for pre-configured MG

Online First

[R2-2206939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206939.zip) LS on R17 NR MG enhancements – Pre-configured MG (R4-2210587; contact: OPPO, Intel) RAN4 LS in Rel-17 NR\_MG\_enh-Core To:RAN2

* R2 confirms the observation in the LS

DISCUSSION on whether to fix this

- OPPO think that by default the MG will be active on BWP0, so the gain of the feature is lost if not fixed.

- LG think this can be fixed by network impl, can avoid switch to BWP0, no change needed. HW has the same understanding.

* We rely on network impl. to avoid this

[R2-2206999](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206999.zip) Response LS on RRC-based Pre-MG (de)activation on BWP#0 OPPO LS out Rel-17 NR\_MG\_enh-Core To:RAN4

[R2-2207000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207000.zip) Discussion on RRC-based Pre-MG (de)activation on BWP#0 OPPO discussion Rel-17 NR\_MG\_enh-Core

[R2-2207145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207145.zip) Discussion on pre-configured MG for BWP#0 Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

* 3 tdocs noted

[R2-2208105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208105.zip) Correction on pre-configured gap activation and deactivation ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3356 - F NR\_MG\_enh-Core

* [AT119-e][033][MGE] (MediaTek)

Scope: Treat R2-2206940, R2-2208471, R2-2207146, R2-2208464, R2-2208562, R2-2208106, R2-2207895. Determine agreeable parts, for agreeable parts, capture in CR(s)

Intended outcome: Report, Agreed CR (s), LS out if applicable

Deadline: EOM (offline only, if possible)

Capability

[R2-2206940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206940.zip) LS on R17 MG enhancement - NCSG (R4-2210589; contact: Apple) RAN4 LS in Rel-17 NR\_MG\_enh-Core To:RAN2 Cc:RAN1

[R2-2208471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208471.zip) Remaining Issues on MGE Capabilities MediaTek Inc. discussion NR\_MG\_enh-Core

[R2-2207146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207146.zip) Correction on NCSG pattern Huawei, HiSilicon CR Rel-17 38.306 17.1.0 0762 - F NR\_MG\_enh-Core

Other Corrections

[R2-2208464](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208464.zip) Remaining Issues for MGE Configurations MediaTek Inc. discussion NR\_MG\_enh-Core

DISCUSSION, brief, online, only on P2

- QC doesn’t see the motive behind this, we can do this with legacy ASN.1. HW agrees.

- Apple asks why this is important.

- Ericsson think this part refers to a legacy-ish gap, and the advantage is that such gaps could be used as a pre gap.

*Chair: P2 Seems not agreeable, but also not clear whether/which clarifications are needed, some confusion, can continue offline.*

[R2-2208562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208562.zip) Clarification on associatedMeasGapSSB for concurrent MG Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.1.0 3443 - F NR\_MG\_enh-Core

[R2-2208106](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208106.zip) Correction on mgta configuration ZTE Corporation, Sanechips CR Rel-17 38.331 17.1.0 3357 - F NR\_MG\_enh-Core

[R2-2207895](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207895.zip) Gap coordination for MR-DC Google Inc. CR Rel-17 38.331 17.1.0 3324 - F NR\_MG\_enh-Core, NR\_pos\_enh-Core

## 6.23 Uplink Data Compression (UDC)

(NR\_UDC\_enh-Core; leading WG: RAN2; REL-17; WID: RP-211203)

Tdoc Limitation: 1 tdocs

* [AT119-e][021][UDC] UDC corrections (Samsung)

Scope: Treat [R2-2207940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207940.zip), [R2-2208205](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208205.zip), [R2-2208587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208587.zip). Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any)

Deadline: Schedule 1

[R2-2207940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207940.zip) Discussion on UE behaviour about UDC in RRC resume procedure Huawei, HiSilicon discussion Rel-17 NR\_UDC-Core

[R2-2208205](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208205.zip) Removal of UDC in the description of Data field Lenovo draftCR Rel-15 36.323 15.7.0 F LTE\_UDC-Core

[R2-2208587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208587.zip) Clarification on UDC packet Samsung draftCR Rel-17 38.323 17.1.0 F NR\_UDC-Core

## 6.24 NR R17 Other

Includes items and topics without specific R2 Agenda Item. Includes LS in for R17 items not in a specific R2 Agenda Item.

### 6.24.1 RAN4 led Items

LS in

Offline [000]

[R2-2206920](file:///C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2206920.zip" \o "C:Usersmtk65284Documents3GPPtsg_ranWG2_RL2TSGR2_119-eDocsR2-2206920.zip) Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure (R1-2205463; contact: Huawei) RAN1 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN2, RAN4

Chair: Already Captured in Stage-3 last meeting, i.e. already covered. Whether to modify Stage-2 for consistency, e.g. the Pucch Group definition (for Rel-15, 16, 17) is being discussed. Propose Noted [000]. No further action.

[R2-2206936](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206936.zip) LS on release independent for FR1 HST RRM enhancement (R4-2206846; contact: CMCC) RAN4 LS in Rel-17 NR\_HST\_FR1\_enh To:RAN2

[R2-2206937](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206937.zip) LS on release independent for FR1 HST demodulation (R4-2207195; contact: CMCC) RAN4 LS in Rel-17 NR\_HST\_FR1\_enh To:RAN2

On Both LSes above, Chair: The LSes have already been implemented and are listed in the current TS 38.331 Annex C to allow early implementation of FR1 HST demodulation and RRM enhancement. Propose Noted [000]. No further action.

[R2-2206955](file:///C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2206955.zip" \o "C:Usersmtk65284Documents3GPPtsg_ranWG2_RL2TSGR2_119-eDocsR2-2206955.zip) LS on clarification of RACH prioritisation rules between LTE and NR-U (R4-2211170; contact: Ericsson) RAN4 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN1 Cc:RAN2

Chair: RAN2 is CCed. Propose Noted [000].

FR2 UL Gap

Offline

* [AT119-e][030][NR17] FR2 UL Gap MAC CR (Apple)

Scope: Treat R2-2206959, R2-2208931

Intended outcome: Brief Report, Agreed CR (if possible).

Deadline: EOM

[R2-2206959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206959.zip) LS to RAN2 on UL gap in FR2 RF enhancement (R4-2211222; contact: Apple) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2 To:RAN2 Cc:RAN1

[R2-2208931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208931.zip) Correction on FR2 UL gap Apple CR Rel-17 38.321 17.1.0 1399 - F NR\_RF\_FR2\_req\_enh2 LATE

Chair: This CR was provided at the meeting.

2TX-2TX Switching

Online first

[R2-2208480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208480.zip) Discussion on supporting 2Tx-2Tx switching for Rel-17 capability reporting Huawei, HiSilicon, CMCC, China Unicom, CATT discussion Rel-17 NR\_RF\_FR1-Core

[R2-2207333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207333.zip) Switching option capability for UL 2Tx-2Tx switching Qualcomm Incorporated, ZTE Corporation, Nokia, Nokia Shanghai Bell, OPPO, MediaTek Inc., Xiaomi Communications, Ericsson discussion Rel-17

* Both Noted

DISCUSSION on the two tdocs above

- CMCC support HW, think from R4 fallback to 1T-2T is supported, so easier to require

- China telecom support HW and think the UE should not report very different capabiltiy for 1T2T and 2T2T. would like the same options to be supported for R16 and R17. Otherwise network upgrade becomes illogical and expensive.

- ZTE think that we usually introduce new caps for new features, think good to allow the UE to support different cases, could be considered IOT bits.

- OPPO think flexibility is needed for UE vendors, don’t understand operator comments. Network anyway need to support both.

- QC think we need to fix ASN.1 as soon as possible, pre-requisites conditions etc can be fixed later.

* Introduce a new per-BC UE capability parameter for supported switching option(s) in 2T-2T UL Tx switching. Details can be discussed. Can consider now or at later time whether these are IoT bits or not (e.g. in the light of honouring R4 agreements).
* [AT119-e][034][NR17] 2TX-2TX UL switching UE caps (Qualcomm)

Scope: Based on online agreements, revise and agree CRs.

Intended outcome: Agreed CRs (report if needed)

Deadline: EOM (offline only if possible).

[R2-2207334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207334.zip) Introduction of switching option UE capability for UL 2Tx-2Tx switching Qualcomm Incorporated, ZTE Corporation, Nokia, Nokia Shanghai Bell, OPPO, MediaTek Inc., Xiaomi Communications, Ericsson CR Rel-17 38.306 17.1.0 0767 - F NR\_RF\_FR1\_enh

[R2-2207335](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207335.zip) Introduction of switching option UE capability for UL 2Tx-2Tx switching Qualcomm Incorporated, ZTE Corporation, Nokia, Nokia Shanghai Bell, OPPO, MediaTek Inc., Xiaomi Communications, Ericsson CR Rel-17 38.331 17.1.0 3248 - F NR\_RF\_FR1\_enh

[R2-2208611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208611.zip) Discussion on UE capability reporting for Rel-17 UL Tx switching enhancement CTSI discussion Rel-17 NR\_RF\_FR1\_enh-Core

DC location report

offline

* [AT119-e][022][NR17] DC Location Report (vivo)

Scope: Treat [R2-2206951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206951.zip), [R2-2207613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207613.zip), [R2-2207135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207135.zip), [R2-2207136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207136.zip), [R2-2207138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207138.zip), [R2-2207614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207614.zip), [R2-2208370](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208370.zip), [R2-2208371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208371.zip), Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any), LS out (if applicable)

Deadline: Schedule 1

[R2-2206951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206951.zip) LS on DC location for intra-band CA (R4-2210782; contact: vivo) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2 To:RAN2

[R2-2207613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207613.zip) Remaining issues on DC location report for Rel-17 vivo discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2207135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207135.zip) Discussion on DC location for more than 2 UL CCs OPPO discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2207136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207136.zip) CR on UE capability for DC location for more than 2 UL CCs OPPO CR Rel-17 38.306 17.1.0 0759 - B NR\_RF\_FR2\_req\_enh2-Core

[R2-2207138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207138.zip) CR on DC location for more than 2 UL CCs OPPO CR Rel-17 38.331 17.1.0 3219 - B NR\_RF\_FR2\_req\_enh2-Core

[R2-2207614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207614.zip) LS to RAN4 on DC location vivo LS out Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN4

[R2-2208370](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208370.zip) Discussion on the update to endorsed CRs for DC location report for more than 2CC Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2

[R2-2208371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208371.zip) Introduction of DC location reporting for more than 2CCs Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3097 2 B NR\_RF\_FR2\_req\_enh2 R2-2206650

FR2 BW Class

* [AT119-e][023][NR17] FR2 BW classes (Nokia)

Scope: Treat [R2-2208510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208510.zip), [R2-2208511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208511.zip), [R2-2207974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207974.zip), [R2-2207975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207975.zip), [R2-2207973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207973.zip),

Determine agreeable parts. For the agreeable parts, agree CRs.

Intended outcome: Report, Agreed CRs (if any), LS out (if applicable)

Deadline: Schedule 1

[R2-2208510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208510.zip) Discussion on FR2 new bandwidth classes Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2208511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208511.zip) Introduction of FR2 FBG5 CA BW classes Huawei, HiSilicon CR Rel-17 38.331 17.1.0 3432 - B NR\_RF\_FR2\_req\_enh2-Core

[R2-2207974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207974.zip) Introduction of FR2 FBG2 CA BW classes Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson, ZTE Corporation, Sanechips, Qualcomm, Xiaomi Communications CR Rel-17 38.331 17.1.0 2867 4 B NR\_RF\_FR2\_req\_enh2-Core R2-2204851

*Moved from 6.0.2*

[R2-2207975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207975.zip) Introduction of FR2 FBG2 CA BW classes Nokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson, ZTE Corporation, Sanechips, Qualcomm, Xiaomi Communications CR Rel-17 38.306 17.1.0 0678 3 B NR\_RF\_FR2\_req\_enh2-Core R2-2204850

*Moved from 6.0.2*

[R2-2207973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207973.zip) Reply LS on release independence aspects of newly introduced FR2 CA BW Classes and CBM/IBM UE capability Nokia, Nokia Shanghai Bell LS out Rel-17 NR\_RF\_FR2\_req\_enh2-Core R2-2204854 To:RAN4

*Moved from 6.0.2*

Editorial

Not formally treated. Handled by RRC TS rapporteur

[R2-2207856](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207856.zip) Correction for Rel-17 CRS interference mitigation Sharp CR Rel-17 38.331 17.1.0 3327 - F NR\_demod\_enh2-Core

### 6.24.2 RAN1 led Items

### 6.24.3 Other

[R2-2208133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208133.zip) Correction to MINT - applicableDisasterInfoList Ericsson CR Rel-17 38.331 17.1.0 3359 - F TEI17

Treated offline in discussion [013] RRC I (Ericsson)

# 7 Rel-17 EUTRA Work Items

## 7.1 Common

(NB\_IOTenh4\_LTE\_eMTC6-Core; leading WG: RAN1; REL-17; WID: RP-211340)

(UPIP\_EN-DC\_UE; leading WG: RAN3; REL-17; WID: RP‑213669)

(LTE TEI17)

No documents should be submitted to 7.1. Please submit to 7.1.X

### 7.1.1 Organizational and Stage-2

General LSs and documents for which there is no RAN WI.

Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications etc - please contact the Rapporteur before providing contributions on those aspects.

[R2-2206972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206972.zip) LS on updated Rel-17 RAN1 UE features list for LTE (R1-2205612; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NB\_IOTenh4\_LTE\_eMTC6, LTE\_NBIOT\_eMTC\_NTN, LTE\_terr\_bcast\_bands\_part1, NR\_SL\_enh To:RAN2 Cc:RAN4

*(moved from 7.2.5)*

### 7.1.2 Control Plane Corrections

[R2-2207492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207492.zip) DRB release LG Electronics Inc. discussion Rel-17 TEI17

[R2-2207493](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207493.zip) 36.331 CR on DRB release LG Electronics Inc. CR Rel-17 36.331 17.1.0 4847 - F TEI17

[R2-2208303](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208303.zip) Discussion on introducing the value infinity for the hysteresis timer Ericsson discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2208304](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208304.zip) Introduction of value infinity for coverage based paging carrier hysteresis timer Ericsson CR Rel-17 36.331 17.1.0 4857 - F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2208305](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208305.zip) Introduction of value infinity for coverage based paging carrier hysteresis timer Ericsson CR Rel-17 36.304 17.1.0 0852 - F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2208597](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208597.zip) 36331\_(R17)\_Correction on npusch-MCS field description ZTE Corporation, Sanechips CR Rel-17 36.331 17.1.0 4866 - F NB\_IOTenh4\_LTE\_eMTC6-Core

### 7.1.3 User Plane Corrections

## 7.2 NB-IoT and eMTC support for NTN

Tdoc Limitation: 5 tdocs

### 7.2.1 Organizational

LSs, rapporteur inputs and other organizational documents. CR Rapporteurs may provide baseline correction CRs containing smaller corrections, text clarifications, etc - please contact the CR rapporteurs before providing contributions on those aspects.

[R2-2206933](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206933.zip) Reply LS on open issues for NB-IoT and eMTC support for NTN (R3-224007; contact: ZTE) RAN3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN To:RAN2, SA2

[R2-2206938](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206938.zip) LS reply on UE capability for 16QAM for NB-IoT (R4-2210571; contact: Ericsson) RAN4 LS in Rel-16 NB\_IOTenh4\_LTE\_eMTC6-Core To:RAN1 Cc:RAN2

[R2-2206961](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206961.zip) Reply LS on Emergency services and UE rejected with "PLMN not allowed to operate in the country of the UE’s location" (S1-221290; contact: Apple) SA1 LS in Rel-17 5GSAT\_ARCH-CT To:CT1, RAN2 Cc:SA2, SA3LI

[R2-2207153](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207153.zip) Miscellaneous corrections to TS 36.331 for IoT NTN Huawei, HiSilicon CR Rel-17 36.331 17.1.0 4832 - F LTE\_NBIOT\_eMTC\_NTN

### 7.2.2 User Plane

Impacts to 36.321, 36.322, 36.323, 37.324

[R2-2207056](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207056.zip) Discussion on mac-ContentionResolutionTimer in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207064.zip) Correction on the definition of deltaPDCCH in (UL) HARQ RTT Timer for NB-IoT NTN OPPO CR Rel-17 36.321 17.1.0 1542 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207349](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207349.zip) Clarification on PDCCH-based HARQ feedback Qualcomm Incorporated CR Rel-17 36.321 17.1.0 1543 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207351](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207351.zip) Clarification on the expiry of the contention resolution timer. Qualcomm Incorporated CR Rel-17 36.321 17.1.0 1544 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207599.zip) Discussion on the triggering of TA reporting Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207600.zip) Discussion on MSG3 retransmission Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207817](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207817.zip) 36321CR\_Corrections for RTToffset in HARQ RTT timers ZTE Corporation, Sanechips CR Rel-17 36.321 17.1.0 1545 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207824](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207824.zip) Discussion on contention resolution timer in IoT NTN ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2208387](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208387.zip) Correction on TA Reporting Triggering Condition for IoT NTN in TS 36.321 CATT CR Rel-17 36.321 17.1.0 1546 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2208563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208563.zip) Issue on false claiming of contention resolution failure for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2208664](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208664.zip) R17 IoT NTN User Plane issues Ericsson discussion Rel-17

### 7.2.3 RRC

Impacts to 36.331

[R2-2207057](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207057.zip) Correction to RRC-MAC interaction on UL synchronisation in IoT NTN OPPO CR Rel-17 36.331 17.1.0 4827 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207059.zip) Discussion on segmented precompensation gap configuration in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207150](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207150.zip) Discussion on neighbour cell ephemeris Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207151](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207151.zip) Correction to 36.331 on neighbour cell ephemeris Huawei, HiSilicon CR Rel-17 36.331 17.1.0 4831 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207152](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207152.zip) Discussion on parameters for discontinuous coverage Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207308](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207308.zip) Add TX gap parameter and capability for IoT NTN MediaTek Inc. CR Rel-17 36.331 17.1.0 4833 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207309](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207309.zip) Correction on IoT NTN ASN.1 MediaTek Inc. CR Rel-17 36.331 17.1.0 4834 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207310](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207310.zip) Specify ECI to the reference frame of orbital parameters MediaTek Inc. CR Rel-17 36.331 17.1.0 4835 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207311](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207311.zip) Trigger RLF when SIB31 cannot be acquired during T318 MediaTek Inc. CR Rel-17 36.331 17.1.0 4836 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207350](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207350.zip) Indication of Koffset update in SIB31 Qualcomm Incorporated CR Rel-17 36.331 17.1.0 4840 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207353](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207353.zip) RRC Release with redirection to TN Qualcomm Incorporated CR Rel-17 36.331 17.1.0 4842 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2207789](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207789.zip) Discussion on footprint parameters in SIB32 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207790](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207790.zip) Discussion on epochTime in SIB31 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207791](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207791.zip) 36331CR\_RRC miscellaneous corrections ZTE Corporation, Sanechips CR Rel-17 36.331 17.1.0 4851 - F LTE\_NBIOT\_eMTC\_NTN-Core

R2-2208038 Miscellanious corrections to RRC for for IoT-NTN Nokia Solutions & Networks (I) CR Rel-18 38.331 17.1.0 3345 - F LTE\_NBIOT\_eMTC\_NTN Withdrawn

[R2-2208043](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208043.zip) RRC changes for Gap configuration for uplink segemented tansmission in IoT-NTN Nokia, Nokia SHanghai Bell CR Rel-18 36.331 17.1.0 4852 - B LTE\_NBIOT\_eMTC\_NTN

=> Revised in R2-2208682

R2-2208682 RRC changes for Gap configuration for uplink segemented tansmission in IoT-NTN Nokia, Nokia SHanghai Bell CR Rel-18 36.331 17.1.0 4852 1 B LTE\_NBIOT\_eMTC\_NTN

=> Revised in [R2-2208684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208684.zip)

[R2-2208684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208684.zip) RRC changes for Gap configuration for uplink segemented tansmission in IoT-NTN Nokia, Nokia SHanghai Bell CR Rel-17 36.331 17.1.0 4852 2 B LTE\_NBIOT\_eMTC\_NTN

[R2-2208129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208129.zip) Miscellanious Corrections to RRC for IoT-NTN Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.1.0 4853 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2208294](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208294.zip) Correction to coarseLocationInfo field description for IoT NTN Eutelsat S.A. CR Rel-17 36.331 17.1.0 4856 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2208564](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208564.zip) Issue on GNSS measurement during eMTC handover Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2208574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208574.zip) correction on coarselocationreq Xiaomi, Thales CR Rel-17 36.331 17.1.0 4863 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2208665](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208665.zip) R17 IoT NTN RRC Corrections Ericsson discussion Rel-17

[R2-2208681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208681.zip) NTN Configuration at CHO Sequans Communications discussion Rel-17 36.331 LTE\_NBIOT\_eMTC\_NTN-Core

### 7.2.4 Idle Inactive mode

Impacts to 36.304

[R2-2208138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208138.zip) Correction on Measurement rules for cell re-selection for IoT NTN Samsung R&D Institute UK CR Rel-17 36.304 17.1.0 0851 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2208669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208669.zip) R17 IoT NTN Idle mode issues Ericsson discussion Rel-17

### 7.2.5 UE capabilities

[R2-2207058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207058.zip) Discussion on UE capability on segmented precompensation gap in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2207307](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207307.zip) Add TX gap capability for IoT NTN MediaTek Inc. CR Rel-17 36.306 17.1.0 1854 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2207352](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207352.zip) Reporting the support of TN bands to NTN Qualcomm Incorporated CR Rel-17 36.331 17.1.0 4841 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2208044](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208044.zip) New UE capability for Pre-compensation-gap for IoT-NTN Nokia, Nokia Shanghai Bell CR Rel-18 36.306 17.1.0 1855 - B LTE\_NBIOT\_eMTC\_NTN

[R2-2208666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208666.zip) R17 IoT NTN UE Capabilities corrections Ericsson discussion Rel-17

### 7.2.6 Other

[R2-2208667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208667.zip) R17 IoT NTN stage 2 corrections Ericsson discussion Rel-17

# 8 Rel-18

## 8.1 NR network-controlled repeaters

(FS\_NR\_NetConRepeater; leading WG: RAN1; REL-18; WID: RP-221229)

Time budget: 0.5 TU

Tdoc Limitation: 1 tdocs

### 8.1.1 Organizational

Including LSs and any rapporteur inputs.

[R2-2208108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208108.zip) Work plan for NR network-controlled repeaters ZTE Corporation (Rapporteur) Work Plan Rel-18 FS\_NR\_netcon\_repeater

[R2-2208109](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208109.zip) TR 38.867 on network-controlled repeaters management ZTE Corporation (Rapporteur) draft TR Rel-18 38.867 0.1.0 FS\_NR\_netcon\_repeater

### 8.1.2 General

Including Identification and authorization of network-controlled repeaters.

[R2-2207123](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2207123.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207123.zip) Identification and Authorization of Network-Controlled Repeater Intel Corporation discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2207205](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207205.zip) Identification and authorization of Network Controlled Repeater Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2207285](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207285.zip) RAN2 Aspects of Network-Controlled Repeater Qualcomm Inc. discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2207291](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207291.zip) Overview of network-controlled repeaters NEC Telecom MODUS Ltd. discussion

[R2-2207413](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207413.zip) Discussion on functionality for NCR-MT Fujitsu discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2207459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207459.zip) Discussion on identification and authorization of NCR Apple discussion Rel-18 DUMMY Late

[R2-2207485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207485.zip) General consideration on NCR management Huawei, HiSilicon discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2207517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207517.zip) Identification and Authorization of Network-controlled Repeater CATT discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2207691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207691.zip) Network-controlled repeaters - key issues Samsung R&D Institute UK discussion

[R2-2207717](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207717.zip) Discussion on identification and authorization for network-controlled repeaters Lenovo discussion Rel-18

[R2-2207825](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207825.zip) Considerations on NCR authorization and fwd link config Sony discussion Rel-18 DUMMY Late

[R2-2208034](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208034.zip) Identification and authorization of NCRs: capabilities and attributes management Philips International B.V. discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2208110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208110.zip) Considertion on NCR identification and authorization ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2208198](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208198.zip) Discussion on RAN2 topics for NCR Ericsson discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2208293](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208293.zip) Initial consideration on Network-controlled repeaters Kyocera discussion Rel-18

[R2-2208390](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208390.zip) Identification and authorization of network-controlled repeaters MediaTek Beijing Inc. discussion Rel-18

[R2-2208416](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208416.zip) Multi-frequency support to enable control links for NR network-controlled repeaters AT&T discussion Rel-18

[R2-2208447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208447.zip) Discussion on the network-controlled repeater management CMCC discussion Rel-18 FS\_NR\_netcon\_repeater

[R2-2208458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208458.zip) Discussion on NCR Related Procedures vivo discussion

[R2-2208628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208628.zip) Discussion on identification and authorization of Network-controlled Repeaters China Telecom discussion

[R2-2208658](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208658.zip) Initial discussion on Network Control Repeater Rakuten Mobile, Inc discussion Rel-18

## 8.2 Expanded and improved NR positioning

(FS\_NR\_pos\_enh2; leading WG: RAN1; REL-18; WID: RP-221814)

Time budget: 1.5 TU

Tdoc Limitation: 3 tdocs

### 8.2.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2207105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207105.zip) Summary of pre-discussion on Rel-18 expanded and improved NR positioning CATT discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207387](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207387.zip) RAN1 agreements on Expanded and improved NR positioning Intel Corporation discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207737](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207737.zip) Work Plan for Study Item on Expanded and Improved NR Positioning CATT, Intel Corporation, Ericsson Work Plan Rel-18 FS\_NR\_pos\_enh2

[R2-2208080](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208080.zip) SL positioning Ericsson discussion Rel-18

### 8.2.2 Sidelink positioning

Study of positioning architecture and signalling procedures (e.g. configuration, measurement reporting, etc) to enable sidelink positioning covering both UE based and network based positioning. Considering relative positioning, ranging and absolute positioning.

[R2-2207081](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207081.zip) Discussion on sidelink positioning vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207090](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207090.zip) Discussion of sidelink positioning OPPO discussion Rel-17 FS\_NR\_pos\_enh2

[R2-2207106](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207106.zip) SL Positioning Architecture and Protocol Stack CATT discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207229](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207229.zip) Discussion of sidelink positioning procedures Nokia Germany agenda

[R2-2207286](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207286.zip) Principles for sidelink positioning MediaTek Inc. discussion Rel-18

[R2-2207388](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207388.zip) Support of sidelink positioning Intel Corporation discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207435](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207435.zip) On Sidelink Positioning Architecture Apple discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207486](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207486.zip) Discussion on Sidelink Positioning InterDigital, Inc. discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207586.zip) Discussion on sidelink positioning ZTE, Sanechips discussion Rel-18 NR\_pos\_enh-Core

[R2-2207684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207684.zip) Discussion on potential solutions for SL positioning Spreadtrum Communications discussion Rel-18

[R2-2207828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207828.zip) Considerations on sidelink positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207865](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207865.zip) On SL Positioning Architecture and Procedures Lenovo discussion Rel-18

[R2-2207868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207868.zip) Discussion on sidelink positioning Huawei, HiSilicon discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208126](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208126.zip) Study of Sidelink Positioning Architecture, Signaling and Procedures Qualcomm Incorporated discussion

[R2-2208253](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208253.zip) Protocol considerations for sidelink positioning Philips International B.V. discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208301](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208301.zip) Discussion on functions of LMF in SL positioning Samsung discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208320](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208320.zip) Discussion on out-of-coverage sidelink positioning Samsung R&D Institute UK discussion

[R2-2208453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208453.zip) Initial considerations on Sidelink positioning CMCC discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208582](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208582.zip) Discussion on SL positioning Xiaomi discussion Rel-18

### 8.2.3 RAT-dependent integrity

Study methodologies, procedures, signalling, etc for determination of positioning integrity for both UE-based and UE-assisted positioning. Focus on reuse of concepts and principles being developed for RAT-Independent GNSS positioning integrity, where possible. Identification of error sources may require input from RAN1.

[R2-2207082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207082.zip) Discussion on RAT-dependent integrity vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207107.zip) Discussion on RAT dependent integrity CATT discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207389](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207389.zip) Support of RAT dependent integrity Intel Corporation discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207487](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207487.zip) Discussion on RAT-dependent Integrity InterDigital, Inc. discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207585](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207585.zip) Discussion on RAT-dependent methods positioning integrity ZTE, Sanechips discussion Rel-18 NR\_pos\_enh-Core

[R2-2207685](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207685.zip) Discussion on solutions for integrity of RAT-dependent positioning techniques Spreadtrum Communications discussion Rel-18

[R2-2207702](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207702.zip) Discussion on RAT-dependent positioning integrity Lenovo discussion Rel-18

[R2-2207829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207829.zip) Considerations on solution for integrity of RAT dependent positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207869.zip) Discussion on RAT-dependent integrity Huawei, HiSilicon discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207911.zip) Discussion on RAT-dependent positioning integrity Xiaomi discussion

[R2-2208079](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208079.zip) RAT-dependent integrity Ericsson discussion Rel-18

[R2-2208127](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208127.zip) Integrity of NR Positioning Technologies Qualcomm Incorporated discussion

[R2-2208318](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208318.zip) Discussion on integrity of RAT dependent positioning techniques Samsung R&D Institute UK discussion

[R2-2208322](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208322.zip) Discussion of RAT-dependent positioning integrity Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_pos\_enh2

### 8.2.4 LPHAP

Study the requirements on LPHAP as developed by SA1 and evaluate whether existing RAN functionality can support these power consumption and positioning requirements. Based on the evaluation, and, if found beneficial, study potential enhancements to help address any limitations.

[R2-2207083](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207083.zip) Discussion on LPHAP vivo discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207089](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207089.zip) Consideration on LPHAP OPPO discussion Rel-17 FS\_NR\_pos\_enh2

[R2-2207111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207111.zip) Discussion on LPHAP CATT discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207390](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207390.zip) Support of LPHAP Intel Corporation discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207436](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207436.zip) On LPHAP Apple discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207488](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207488.zip) Discussion on LPHAP InterDigital, Inc. discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207584](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207584.zip) Discussion on LPHAP ZTE, Sanechips discussion Rel-18 NR\_pos\_enh-Core

[R2-2207703](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207703.zip) Discussion on low power high accuracy positioning Lenovo discussion Rel-18

[R2-2207830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207830.zip) Considerations on solution for Low Power High Accuracy Positioning Sony discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2207867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207867.zip) Discussion on the LPHAP Huawei, HiSilicon discussion Rel-18 FS\_NR\_pos\_enh2 Revised

[R2-2207912](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207912.zip) Discussion on LPHA positioning Xiaomi discussion

[R2-2208078](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208078.zip) Discussion on Low Power High Accuracy Positioning Ericsson discussion Rel-18

[R2-2208128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208128.zip) Limitations of RRC\_INACTIVE positioning for LPHAP Qualcomm Incorporated discussion

[R2-2208180](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208180.zip) Use case and area of focus for LPHAP study Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208454.zip) Initial considerations on LPHAP CMCC discussion Rel-18 FS\_NR\_pos\_enh2

[R2-2208626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208626.zip) Discussion on the LPHAP Huawei, HiSilicon, Deutsche Telekom discussion Rel-18 FS\_NR\_pos\_enh2 [R2-2207867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207867.zip)

## 8.3 Network energy savings for NR

(xx-Core; leading WG: RAN1; REL-18; WID: RP-213554)

Time budget: 1 TU

Tdoc Limitation: 2 tdocs

### 8.3.1 Organizational

*LS, workplan, etc*

[R2-2208339](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208339.zip) Work plan for NR network energy savings Huawei Work Plan Rel-18 FS\_Netw\_Energy\_NR

[R2-2208340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208340.zip) TR 38.864 skeleton for study on network energy savings for NR Huawei discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208341](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208341.zip) General consideration of RAN2 study Huawei discussion Rel-18 FS\_Netw\_Energy\_NR

### 8.3.2 gNB and UE supporting techniques

*Contributions should focus on how to achieve more efficient operation dynamically and/or semi-statically and finer granularity adaptation of transmissions and/or receptions in one or more of network energy saving techniques in time, frequency, spatial, and power domains, with potential support/feedback from UE, and potential UE assistance information*

[R2-2207037](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207037.zip) Discussion on NW energy saving KDDI Corporation discussion

[R2-2207115](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207115.zip) Efficient operation of adaptation for network energy saving Intel Corporation discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207116](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207116.zip) Additional UE assistance information and UE feedback Intel Corporation discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207246](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207246.zip) Time domain NES techniques InterDigital discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207247](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207247.zip) Frequency domain and UE assistance NES techniques InterDigital discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207292](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207292.zip) Finer granularity configuration for NES NEC Telecom MODUS Ltd. discussion

[R2-2207293](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207293.zip) Assistance information to support choice of NES configuration NEC Telecom MODUS Ltd. discussion

[R2-2207406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207406.zip) Consideration on network energy saving Fujitsu discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207414.zip) Efficient PCell and SCell handling for network energy saving Fujitsu discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207423](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207423.zip) Initial discussion on RAN2 work of Network energy saving Apple discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207424](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207424.zip) On-demand measurement for network energy saving Apple discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207511.zip) Network energy savings: issues for investigation in RAN2 CATT discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207512](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207512.zip) Consideration on UE Assistance Information CATT discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207545](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207545.zip) NW energy saving in CONNECTED Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207546](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207546.zip) NW energy saving in IDLE Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207786](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207786.zip) discussions on time domain techniques for network energy saving vivo discussion Rel-18

[R2-2207787](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207787.zip) discussion on frequency domain and UE-assisted Network Energy saving techniques vivo discussion Rel-18

[R2-2207799](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207799.zip) Discussion on network energy savings OPPO discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207800](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207800.zip) Discussion on the UE assistance information OPPO discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207919.zip) Discussion on supporting of network energy savings for NR Lenovo discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207920](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207920.zip) Discussion on the state transition in NES Lenovo discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2207960](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207960.zip) Alignment of UE and Network Energy Saving Fraunhofer IIS, Fraunhofer HHI discussion Rel-18

[R2-2208026](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208026.zip) Assistance information from the UE for NW energy savings Ericsson discussion

[R2-2208031](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208031.zip) Miscellaneous mechanisms for network energy savings Ericsson discussion

[R2-2208120](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208120.zip) Network Energy Savings Techniques Qualcomm Incorporated discussion Rel-18

[R2-2208233](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208233.zip) gNB operation for NES ETRI discussion

[R2-2208297](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208297.zip) Network Energy savings - UE grouping for efficient signaling Rakuten Mobile, Inc discussion Rel-18

[R2-2208330](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208330.zip) Supporting access via assistant cell for network energy saving ZTE corporation, Sanechips discussion Rel-18

[R2-2208331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208331.zip) Techniques in various domains and UE assistance information for network energy saving ZTE corporation, Sanechips discussion Rel-18

[R2-2208342](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208342.zip) Discussion on network energy saving techniques for single carrier Huawei, HiSilicon, Deutsche Telekom discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208343](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208343.zip) Discussion on network energy saving techniques for multi-carrier case Huawei, HiSilicon, China Unicom, Deutsche Telekom discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208431](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208431.zip) Discussion on the technical directions for network energy saving CMCC discussion Rel-18

[R2-2208432](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208432.zip) Analysis on power consumption in base station CMCC discussion Rel-18

[R2-2208573](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208573.zip) Energy saving on system information transmission Xiaomi discussion Rel-18 FS\_Netw\_Energy\_NR

[R2-2208592](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208592.zip) Feedback and Assistance Information for NES Samsung discussion Rel-18

[R2-2208593](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208593.zip) Network Energy Saving (NES) Techniques Samsung discussion Rel-18

[R2-2208606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208606.zip) Coexistence considerations in network energy saving MediaTek Inc. discussion Rel-18 FS\_Netw\_Energy\_NR

## 8.4 Further NR mobility enhancements

(NR\_Mob\_enh2-Core; leading WG: RAN2; REL-18; WID: RP-221799)

Time budget: 2 TU

Tdoc Limitation: 4 tdocs

Focus to consolidate the performance aspects to improve and the cases to address.

### 8.4.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan). Including input on work splits and tasks for other groups (LS outs), which is expected dependent also on other progress (treated last).

[R2-2206981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206981.zip) RAN2 Work Plan for Rel-18 Further NR Mobility Enhancements WI MediaTek Inc., Apple Work Plan

- Xiaomi think we need to do RRC modelling based also on inter DU

- Chair: too many comments, go offline

* Noted (need improvement)

### 8.4.2 L1 L2 Mobility

#### 8.4.2.1 Target Performance Enhancements

This part has high priority during the first meeting. Establish a latency model and determine which parts pf latency / stept are expected to be enhanced, Focus first on intra-freq-intra-DU, then establish understanding as to which enhancements that can be applicable for inter-DU, inter-freq scenarios etc. Can discuss scenario applicability in general. Can discuss also other performance metrics than latency if applicable.

[R2-2206982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206982.zip) Target Performance Enhancements for L1L2-based Inter-cell Mobility MediaTek Inc. discussion

DISCUSSION

- LG wonder if MAC reset doesn’t have impact at these very high ping-pong rates. Think the negative effects may outweigh positive ones. Think also that it will cause lots of signalling. Think DL measurement latency is not taken into account. CMCC agrees with LG.

- Nokia wonder why the pingpong rate is so high / time of stay is so low, how is TTT applied in this. MTK clarifies that TTT is applied as for L3 measurement. MTK think the main reason for pingpong is the higher frequency. MTK also ack that additional measures can be taken to reduce pingpong rate.

- VDF think security aspects need to be considered.

- Observation: L1L2 mobility could be expected to help in several ways, robustness, etc. and make possible high HO rates.

- FW think the legacy issue of ping pong was that the system couldn’t support short tos. Think indeed L1L2 mobility give the tools to handle this, may need to redefine what is ping pong. Think inter-DU is more complex so we may need to spend more time on it. Support multiple candidates.

P2456

- Apple are supportive of this but think RRC processing may need to be taken into account as there are some cases when the UE has not preprared 100% beforehand

- CATT agrees, but think for intra DU can avoid L2 reset.

- Vivo think that TRS tracking after HO and CSI RS measurement should also be modelled / included. Samsung agrees.

- Xiaomi think we should also consider other aspects, if we have frequent L2 reset this will be an issue. We need to continue L2 whenever we can.

- HW think measurement latency is also important and has a huge impact.

* Assumption: HO interruption time for L1/L2-based inter-cell mobility is the time from UE receives the cell switch command to UE performs the first DL/UL reception/transmission on the indicated beam of the target cell. FFS if TRS tracking after HO and CSI RS measurement should also be included, i.e. the time to use a high-performance beam (can be clarified further).
* Assumption: To reduce HO interruption time, investigate e.g. solutions to reduce the time for UE reconfiguration (already in the WID), downlink and uplink synchronization after handover decision (other parts of dynamic switch not precluded).
* Confirm to Support L1/L2-based inter-cell mobility for inter-DU scenario (as well as intra-DU scenarios).
* The design for intra-DU and inter-DU L1/L2-based mobility should share as much commonality as reasonable. FFS which aspects need to be different.
* R2 assumes that L2 is continued whenever possible (e.g. intra-DU), without Reset, with the target to avoid data loss, and the additional delay of data recovery.

[R2-2208212](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208212.zip) Prerequisites and benefits of Lower Layer Mobility Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mob\_enh2-Core

* ICBM is one scenario considered for L1L2 mobility, but is not the only one, and is not a prerequisite for using L1L2 mobility.
* RAN2 to consider preparation of target cell configurations capable of dynamic switching without need for full configuration.

[R2-2207637](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207637.zip) L1/L2 mobility target performance enhancements Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

- ZTE think that L3 mesurements should be used for inter-DU. Chair: there is also wider support for the inter-DU case, if we find issues, we can go back

* Measurement delay can/may be considered in this work
* Assume that we rely on L1 measurements to trigger L1L2 mobility (still measurement for preparation could be L3, FFS)

DISCUSSION 2 (W2)

CA and DC

- Chair wonder if 11b and 11c are intended as inter freq scenarios

- VDF wonder what is the 11a. HW think that this is CA --> CA scenario.

- LG agrees with 11 and think there are limitation to intra-CG, in particular for DC (also an inter-freq scenario).

- QC agrees with P11. QC wonder how 11b relates to the L1L2 mob configuration. HW clarifies that target Pcell is same as a currently configured Scell.

- Ericsson think we need to consider the RRC model to see the complexity B and C could be FFS.

- 11a: vivo think this is not prioritized. 11bc: are these in the current CG.

- Lenovo hope that DC is not ruled out.

- OPPO think this means that we consider L1 measurements for inter-frequency. Huawei think that the current proposal avoids that, these are serving cells so L1 measurements can be available.

- Lenovo and FW think that PCell scenarios could be both CA and DC.

* R2 will initially focus on PCell mobility.
* R2 assumption: Rel-18 L1/L2 mobility includes both non-CA (PCell only) and CA scenarios (PCell and SCell). This includes the following cases

a) the target PCell/target SCell(s) is not a current serving cell (CA 🡪 CA scenario with PCell change)

b) FFS the target PCell is a current SCell

c) FFS the target SCell is the current PCell.

* DC scenarios are FFS (e.g. PSCell mobility may be a low hanging fruit FFS).

OFFLINE: Together with capturing agreements, Capture a mobility timing chart (for L1L2 mobility) as a reference include all pieces of procedures that may be optimized impacted etc (to reflect current agreements)

* [Post119-e][036][feMob] Agreements, time chart, LS out (MediaTek)

Scope: Capture WI agreements, Capture a mobility timing chart for L1L2 mobility, as a reference - include all pieces of procedures that may be optimized impacted FFS etc (acc to current agreements). LS out to RAN1 and RAN3 on the RAN2 progress, and ask to take into account.

Intended outcome: Endorsed Report or Stage-2 CR with appendix etc, Approved LS out

Deadline: Short (Can start before the meeting has ended)

[R2-2207537](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207537.zip) Discussion on Dynamic switch mechanism among candidate serving cells KDDI Corporation discussion

[R2-2207380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207380.zip) Discussion on latency model of L1 L2 mobility Intel Corporation discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208455](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208455.zip) Initial considerations on L1L2 mobility CMCC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207918.zip) Applicable scenarios for L1/L2 based mobility enhancements Vodafone discussion Rel-18

[R2-2208200](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208200.zip) Latency analysis for L1/L2 based inter-cell mobility Ericsson discussion Rel-18 NR\_mob\_enh2-Core

[R2-2206992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206992.zip) On the Target Performance Enhancements for L1L2 based Mobility CATT discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207407.zip) Consideration on L1/L2 signalling based mobility Fujitsu discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207466](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207466.zip) Latency reduction aspects of L2/L1 mobility Apple discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207496](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207496.zip) Target scenario and latency reduction in L1/L2 based mobility NEC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207655](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207655.zip) Analysis of HO latency and possible enhancements for L1/L2 mobility OPPO discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207752](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207752.zip) Discussion on basic model for L1 L2 mobility vivo discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207806](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207806.zip) Latency Evaluation of L1 or L2 based mobility Xiaomi discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207857](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207857.zip) Initial discussion of L1/L2 mobility Sharp discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208185](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208185.zip) Target enhancements and latency model for L1/2 triggered handover Interdigital, Inc. discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208367](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208367.zip) Discussion on L1 L2 mobility performance enhancement ASUSTeK discussion Rel-16 NR\_mob\_enh2-Core

[R2-2208522](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208522.zip) L1/L2 mobility scenarios and latency LG Electronics discussion Rel-18

[R2-2208528](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208528.zip) Scenario and Target Performance Enhancements for L1/L2 mobility Samsung discussion NR\_mob\_enh2-Core

[R2-2208559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208559.zip) Initial Consideration on L1-L2 Signaling Based Mobility ZTE Corporation,Sanechips discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207315](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207315.zip) NR mobility issues and goals for improvement Futurewei discussion Rel-18 NR\_mob\_enh2-Core

#### 8.4.2.2 Candidate Solutions

A first attempt to identify/list candidate solutions.

Prepared Configuration

[R2-2208199](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208199.zip) Configuration of candidate target cells for L1/L2 based inter-cell mobility Ericsson discussion Rel-18 NR\_mob\_enh2-Core

DISCUSSION

P2

- Lenovo wonder how abc would work in a multi-TRP scenario.

- Ericsson don’t see an issue, the configuration can be provided as normal.

- QC think individual cell config and cell group config need to be considered. Need to update the individual cell, possibly even additional PCI. QC think they are related. Can maybe start with cell group level.

- Ericsson prefer one single model.

- Huawei think there may be target PCell and target PSCell. Think option C is not suitable for inter-DU. Think also that option d is not enough.

- Vivo agrees there will be one model, but wonder then if there will be a limitation to not include Scell.

- Vivo also wonder about d. Think it could be possible also to extend the ICBM model. Ericsson think that additional PCI is complex as it is and should not be used for other use cases

- MTK think b is a good and general starting point.

- Apple think a doesn’t work, too much overhead.

- Nokia want to keep a on the table.

- A cpl of companies want to keep d on the table.

* Current options on the table: to configure a L1/L2 inter-cell mobility candidate cell:

a. One RRCReconfiguration message for candidate target cell

b. One CellGroupConfig IE for each candidate target cell

c. One SpCellConfig IE for each candidate target cell

* [Post119-e][0xx][feMob] Candidate target configurations for L1/L2 mobility (Ericsson)

Scope: Explore/Identify the pros/cons of options on the table in the support of the different target scenarios, supporting with high performance cell changes without reconfiguration. Can identify specific aspects of the configurations, that are potentially necessary.

Intended outcome: Report, with proposals to be addressed at next meeting.

Deadline: long (to next meeting)

Measurements

[R2-2207656](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207656.zip) Discussion on measurement and reporting of L1/L2 mobility OPPO discussion Rel-18 NR\_mob\_enh2-Core

Measurements brief discussion without treating any document

- Chair asks whether this is something we discuss by email.

- Huawei think we should just LS to RAN1 that we have agreed to use L1 measurements.

- Vivo tend to agree with HW.

- Ericsson think we can do both.

- Chair: there seems to be opposition to discuss by email so lets just send an LS with progress info.

* Will send an LS to RAN1 and RAN3 on the progress of this meeting.

General

[R2-2206993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206993.zip) Discussion on Solutions for L1L2 Based Inter-Cell Mobility CATT discussion Rel-18 NR\_mob\_enh2-Core

[R2-2206983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206983.zip) Candidate Solutions for L1L2-based Inter-cell Mobility MediaTek Inc. discussion

[R2-2207738](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207738.zip) Solutions for L1 L2 mobility Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208201](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208201.zip) Solutions for L1/L2 based inter-cell mobility Ericsson discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208213](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208213.zip) Basic details of Lower Layer L1/L2 Mobility Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207753](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207753.zip) Discussion on candidate solutions for L1 L2 mobility vivo discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207316](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207316.zip) Suggested solutions for L1/L2 mobility enhancement Futurewei discussion Rel-18 NR\_mob\_enh2-Core

=> Revised in R2-2208699

R2-2208699 Suggested solutions for L1/L2 mobility enhancement Futurewei discussion Rel-18

[R2-2207339](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207339.zip) L1 L2 inter-cell mobility design principles Lenovo discussion NR\_mob\_enh2-Core Late

[R2-2207340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207340.zip) L1/L2 Mobility – General Concepts and Configuration Qualcomm Incorporated discussion Rel-18

[R2-2207381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207381.zip) Discussion on candidate solutions of L1 L2 mobility Intel Corporation discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207467](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207467.zip) Basic Agreements for Candidate Solutions Apple discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207497](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207497.zip) Possible solutions for L1/L2 based mobility NEC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207535](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207535.zip) Discussion on L1L2 mobility NTT DOCOMO INC. discussion Rel-18

[R2-2207657](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207657.zip) Initial considerations on L1/L2 mobility OPPO discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207681.zip) Discussion on L1/L2 based inter-cell mobility Spreadtrum Communications discussion Rel-18

[R2-2207807](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207807.zip) Candidate solutions for L1 L2 based inter-cell mobility Xiaomi discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208186](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208186.zip) Support for L1/2 triggered handover Interdigital, Inc. discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208325](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208325.zip) Discussion on L1L2 mobility LG Electronics Inc. discussion NR\_mob\_enh2-Core

[R2-2208326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208326.zip) General aspects of L1L2 based inter-cell mobility LG Electronics Inc. discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208368](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208368.zip) Discussion on L1 L2 mobility procedure ASUSTeK discussion Rel-16 NR\_mob\_enh2-Core

[R2-2208409](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208409.zip) Candidate solutions for L1/L2 mobility ZTE Corporation, Sanechips discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208456.zip) Potential solutions for L1L2 mobility CMCC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208529.zip) Considerations on the L1/L2 Inter-Cell Mobility Samsung discussion NR\_mob\_enh2-Core

### 8.4.3 NR-DC with selective activation cell of groups

Consolidate the aspects to improve.

[R2-2207726](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207726.zip) NR-DC with selective activation Ericsson discussion Rel-17 NR\_mob\_enh2-Core

[R2-2207917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207917.zip) Further mobility enhancements for NR-DC Vodafone Telekomünikasyon A.S. discussion Rel-18

[R2-2207317](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207317.zip) Pre-configuring and handling multiple candidates for NR-DC Futurewei discussion Rel-18 NR\_mob\_enh2-Core

DISCUSSION on the 3 tdocs above

- Huawei think that in these proposals the SRC is not prepared, and the targets may have neighbors, we should not prepare unless there is measurements. Huawei think intra SN preparation would be simple. Vodafone think it is possible to prepare blindly. QC agrees with Huawei that prep should ba based on measurements.

- Apple support the concept of reference config to support delta configuration. Chair wonder whether a reference config would be a full config, and when applying the delta+reference then apply as if it is a full config.

- Apple think There is a security issue, Sn (see below paper)

- QC think we should progress first on O2 independent to O1, possibly consolidate later.

- CATT would agree to simplify this, ok to exclude MCG. Agree P1 in Ericsson paper- only need one solution. Also agrees to use a reference config, can b e indep of src cell.

- Lenovo wonder what is the expected time of stay. Think full config vs delta config is not the main issue. Agrees with Huawei that prep should be based on measurements, canb begin with intraSN

- Vivo think we should discuss the basic model first. Regarding full/delta agree with Lenovo. Full config would be ok. Agree to exclude MCG.

- Nokia think that we should avoid full config, want to avoid reestablishment and reset, would like to keep MCG.

- ZTE agrees to prioritize intra SN. Think it could be similar to L1L2 mobility. Think delta config could be considered and the network could indicate which is the reference.

- LG also agree MCG depioritization. SCG impr re more helpful. LG think that we may need modifications for delta config, security etc. think harmonization can be discussed later.

- MTK agrees that the scope can become really large, support limit to SCG. Progress O1 and O2 indep first. Has some sympathy to optimize for delta config.

- Intel think we should focus on intra SN (for security), think delta config should be considered for efficiency.

- OPPO think we can focus on SCG. Avoid full config. More study needed.

- Samsung think we should focus on SCG, like the efficiency of delta config. Think we need to clarify what is the preassumed state.

- CMCC think we prioritize SCG, support detla config for singnalling overhead reduction. Xiaomi agrees.

- Vodafone think for delta config the signalling overhead is the major issue. Think we keep the similarty with legacy PSCell change. Think indeed intra MCG ican be the focus.

- FW think that we also want to reduce switch delay and delta config can help with this, maybe can have common preconfig with L1L2 mobility.

- NEC think subsequent CPC after normal PScell change could be supported

Chair Proposes the proposals below

- Apple think there is always CPC, no CPA.

- Vivo think UE may return to DC by CPA. For the normal cell group change.

- Nokia think delta is also for reducing L2 reset. QC think we don’t; need to focus on this.

- QC think that if UE starts with SA config then CPA is applicable.

- Huawei wonder how many subsequent conditional changes are targeted.

* The selective activation of cell groups should correspond to support of subsequent conditional changes (CPC) after a cell group change (normal or conditional). CPA FFS.
* Initial focus on SCG
* There is interest to support delta configuration, to reduce the signalling overhead (FFS if some other objective should be achieved)
* FFS how many subsequent conditional changes are targeted (and what is the impact of such assumption).

[R2-2207468](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207468.zip) Setting the stage for practical operation of selective activation of cell groups Apple discussion Rel-18 NR\_mob\_enh2-Core

DISCUSSION

- Lenovo think that horizontal key derivation works and only if the UE comes back to a previous cell there is an issue. Apple confirms.

- Apple are also concerned about the UE storing configurations related to security for very long time. Lenovo think that the keys are only derived when the UE goes to the new cell.

- VDF think normal legacy HO is still there and it is network responsibility to provide configuration.

- Nokia think this is only for inter-SN.

- Huawei think there is no saved security, we just apply the normal rules. Apple understand that the will not be an RRC message, indicating whether to do vertical or horizontal key derivation, and also when going back to previous cell in other SN

- Chair wonder if sufficient to avoid NCC mismatch.

* FFS whether there is a security issue: e.g. to determine vertical or horizontal key derivation, e.g. security parameters re-used as part of subsequent CG switch (for the case when UE goes back to a previous cell, maybe in another SN), and FFS on the procedure/method with which the UE derives the SN security, e.g. based on a prior MN config (without RRC CPC config at the time of SN switch).

[R2-2206994](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206994.zip) Discussion on Selective Activation of Cell Groups in NR-DC CATT discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207125](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207125.zip) Discussion on requirement for subsequent CG change PANASONIC R&D Center Germany discussion Rel-18

[R2-2207382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207382.zip) Discussion on NR-DC with selective activation cell of groups Intel Corporation discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207498](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207498.zip) Overview of selective CG activation NEC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207534](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207534.zip) Discussion on selective activation NTT DOCOMO INC. discussion Rel-18

[R2-2207638](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207638.zip) NR-DC with selective activation of SCG Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207658](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207658.zip) Discussion on selective activation of cell groups OPPO discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207677](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207677.zip) Discussion on NR-DC with selective activation cell of groups Spreadtrum Communications discussion Rel-18

[R2-2207694](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207694.zip) On selective cell group activation Lenovo discussion Rel-18

[R2-2207754](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207754.zip) Discussion on NR-DC with selective activation cell of groups vivo discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207858](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207858.zip) Initial discussion of selective activation Sharp discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207910](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207910.zip) Aspects to improve for the support of subsequent CPC NEC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207922](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207922.zip) Selective Cell Group Activation LG Electronics Finland discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208036](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208036.zip) Analysis of applicable scenarios and problems for NR-DC selective activation procedure Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2208145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208145.zip) Configuration and activation of multiple cell groups in NR-DC Qualcomm Incorporated discussion Rel-18

[R2-2208264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208264.zip) Selective activation of cell groups InterDigital, Inc. discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208410](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208410.zip) Discussion on NR-DC with selective activation of the cell groups ZTE Corporation, Sanechips discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208451.zip) Discussion on NR-DC with selective activation cell of groups CMCC discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208467](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208467.zip) Discussion on NR-DC with selective activation of the cell groups Xiaomi discussion

[R2-2208477](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208477.zip) Discussion on selective activation of CG MediaTek Inc. discussion

[R2-2208530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208530.zip) Considerations on subsequent CPAC after SCG change Samsung discussion NR\_mob\_enh2-Core

### 8.4.4 Other

[R2-2208468](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208468.zip) CHO with one or multiple candidate SCGs Xiaomi discussion

DISCUSSION

P123

- Apple think for P2, wonder if we want to allow intra-SN CPC without MN involvement.

- P2 QC think the original objective is sufficient, Huawei agrees this is not sufficient and this proposal seems to not give anything. Intel agrees and think we could start with MN-initated CPC.

- P1: Ericsson think we need to do stage-2 work

* Observation: Current RAN2 Stage-3 specifications can support CHO including target MCG and target SCG in Rel-17.
* CHO configuration referring to or including CPC/CPA configuration (intended to be applicable together) can be supported.
* FFS: When triggering CHO, UE perform CPC/CPA configuration to start CPC/CPA evaluation, FFS if CHO evaluation and CPC/CPA evaluation is concurrent or sequential.

*Chair: NOTE that the above agreements are NOT intended to describe the Stage3 signalling details.*

[R2-2207383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207383.zip) Discussion on CHO including candidate SCGs Intel Corporation discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207325](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207325.zip) First thoughts on Conditional Handover with candidate SCGs for CPAC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mob\_enh2-Core

[R2-2206995](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206995.zip) Discussion on CHO including target MCG and candidate SCGs for CPC/CPA CATT discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207695](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207695.zip) Failure case for CHO with SCG Lenovo discussion Rel-18

[R2-2207696](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207696.zip) CHO with target MCG and candidate SCG Lenovo discussion Rel-18

[R2-2207739](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207739.zip) CHO including candidate SCGs for CPC/CPA Huawei, HiSilicon discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207755](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207755.zip) Discussion on CHO with CPAC vivo discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207848](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207848.zip) Considerations on CHO+CPA/CPC Samsung discussion Rel-18 NR\_mob\_enh2-Core

[R2-2207859](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207859.zip) Support of SCG deactivation with conditional reconfiguration Sharp discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208144](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208144.zip) CHO including target MCG and candidate SCGs Qualcomm Incorporated discussion Rel-18

[R2-2208262](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208262.zip) CHO with associated SCG InterDigital, Inc. discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208411.zip) Discussion on CHO with candidate SCG ZTE Corporation, Sanechips discussion Rel-18 NR\_mob\_enh2-Core

[R2-2208475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208475.zip) Discussion and clarification on CHO enhancement scenarios MediaTek Inc. discussion

## 8.5 XR Enhancements for NR

(FS\_NR\_XR\_enh; leading WG: RAN2; REL-18; WID: [RP-220285](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_95e/Docs/RP-220285.zip))

Time budget: 2 TU

Tdoc Limitation: 3 Tdocs

### 8.5.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan, draft TR)

[R2-2206917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206917.zip) LS on draft TR 38.835 skeleton (R1-2205443; contact: Nokia) RAN1 LS in Rel-18 FS\_NR\_XR\_enh To:RAN2

[R2-2206923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206923.zip) Reply LS on UE Power Saving for XR and Media Services (R1-2205531; contact: Qualcomm) RAN1 LS in Rel-18 FS\_XRM, FS\_NR\_XR\_enh To:SA2, RAN2

[R2-2206964](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206964.zip) LS on QoS support with PDU Set granularity (S2-2201803; contact: Intel) SA2 LS in Rel-18 FS\_XRM To:SA4 Cc:RAN1, RAN2, RAN3

[R2-2206966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206966.zip) LS on UE Power Saving for XR and Media Services (S2-2203418; contact: Nokia) SA2 LS in Rel-18 FS\_XRM To:RAN1, RAN2

[R2-2206969](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206969.zip) LS Reply on QoS support with PDU Set granularity (S4-220505; contact: Qualcomm) SA4 LS in Rel-18 FS\_XRM, FS\_XRTraffic To:SA2 Cc:RAN1, RAN2, RAN3

[R2-2207042](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207042.zip) Draft reply LS on UE power savings for XR and media services Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207371.zip) Work Plan for Rel-18 SI on XR Enhancements for NR Nokia, Qualcomm (Rapporteurs) Work Plan Rel-18 FS\_NR\_XR\_enh

[R2-2207372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207372.zip) XR TR Structure Nokia (Rapporteur) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207373](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207373.zip) TR 83.835 v001 Nokia (Rapporteur) draft TR Rel-18 38.835 0.0.1 FS\_NR\_XR\_enh

[R2-2207374](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207374.zip) TR 83.835 v002 Nokia (Rapporteur) draft TR Rel-18 38.835 0.0.2 FS\_NR\_XR\_enh

[R2-2207375](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207375.zip) XR Overview TP Nokia (Rapporteur) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207376](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207376.zip) Draft LS to SA4 on Pose Information for XR Nokia (Rapporteur) LS out Rel-18 FS\_NR\_XR\_enh To:SA4 Cc:RAN1, SA2

[R2-2208316](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208316.zip) Discussion of SA2 LS on UE Power Saving for XR and Media Services Meta Ireland discussion Rel-18

### 8.5.2 XR-awareness

Including discussion on XR traffic characteristics (e.g. QoS, PDB, PDU size and periodicity, jitter, etc.) and how RAN is aware of those. Contributions should take the existing SA2/SA4 decisions into account.

[R2-2207044](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207044.zip) XR-awareness in RAN Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207117](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207117.zip) XR awareness: RAN2 areas of interest, assumptions, and inputs to SA2 LS Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207118.zip) Solution Directions for XR Specific Differentiated Traffic Handling and Packet Dropping Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207197](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207197.zip) Discussion on XR-awareness NTT DOCOMO, INC. discussion Rel-18

[R2-2207210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207210.zip) Discussing on XR-awareness in RAN Xiaomi Communications discussion

[R2-2207366](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207366.zip) Discussion on XR-awareness TCL Communication discussion Rel-18

[R2-2207377](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207377.zip) XR Awareness in SA2 Nokia (Rapporteur) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207429.zip) Considerations on XR-awareness, QoS-metrics, and XR-specific traffic handling Apple discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207489](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207489.zip) Discussion on XR-awareness InterDigital, Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207508.zip) XR requirements and issues CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207680](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207680.zip) Discussion on RAN awareness of XR traffic characteristics Spreadtrum Communications discussion Rel-18

[R2-2207697](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207697.zip) Discusion of XR awareness in RAN Lenovo discussion Rel-18

[R2-2207756](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207756.zip) Discussion on XR-awareness vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207761](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207761.zip) Discussion on XR-awareness III discussion FS\_NR\_XR\_enh

[R2-2207780](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207780.zip) Discussion on XR-awareness KT Corp. discussion

[R2-2207801](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207801.zip) Discussion on XR-awareness in RAN OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207831.zip) Considerations on XR awareness Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207893](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207893.zip) XR-awareness techniques Google Inc. discussion

[R2-2207926](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207926.zip) First steps for XR handling Vodafone GmbH discussion Rel-18

[R2-2207980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207980.zip) RAN level protocol enhancements for XR awareness ZTE Corporation, Sanechips discussion

[R2-2207991](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207991.zip) Views on XR-specific handling at RAN Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207998](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207998.zip) On RAN awareness of XR traffic characteristics MediaTek Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208021](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208021.zip) Draft LS on first steps for XR handling Vodafone GmbH LS out Rel-18 To:SA2,SA4 Cc:RAN1

[R2-2208223](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208223.zip) RAN behaviour for XR-awareness QoS ETRI discussion

[R2-2208259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208259.zip) Discussion on XR awareness Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208313.zip) Discussion on XR-Awareness RAN Meta Ireland discussion Rel-18

[R2-2208321](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208321.zip) Discussion on XR-awareness LG Electronics Inc. discussion FS\_NR\_XR\_enh

[R2-2208443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208443.zip) Consideration on XR-awareness in RAN CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208618.zip) Discussion on XR traffic characteristics Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208677](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208677.zip) Discussion on XR-awareness Ericsson discussion Rel-17

### 8.5.3 XR-specific power saving

Including discussion on how the XR traffic characteristics (e.g. QoS, PDB, PDU size and periodicity, jitter, etc.) impact power saving and what kind of power saving aspects are needed.

[R2-2206986](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206986.zip) Discussion on XR-specific power saving FGI discussion

[R2-2206996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206996.zip) Discussion on CDRX enhancement for XR OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207045](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207045.zip) Power saving enhancements for XR Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207084](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207084.zip) Consideration on CDRX enhancement for XR KDDI Corporation discussion Rel-18

[R2-2207119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207119.zip) Study of C-DRX enhancements for XR traffic Intel Corporation discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207171](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207171.zip) Discussion on XR power saving III discussion

[R2-2207211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207211.zip) Discussing on XR-specific power saving Xiaomi Communications discussion

[R2-2207294](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207294.zip) C-DRX enhancement for XR-specific power saving NEC Telecom MODUS Ltd. discussion

[R2-2207368](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207368.zip) Discussion on XR-specific power saving TCL Communication discussion Rel-18

[R2-2207409](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207409.zip) Discussion on XR-specific power saving techniques DENSO CORPORATION discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207430](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207430.zip) Power Saving for Periodical XR Traffics Apple discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207490](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207490.zip) Discussion on XR-specific power saving InterDigital, Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207509](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207509.zip) Consideration on power saving for XR services CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207569](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207569.zip) DRX enhancement for power saving in XR LG Electronics Inc. discussion FS\_NR\_XR\_enh

[R2-2207673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207673.zip) Discussion on power saving in XR Spreadtrum Communications discussion Rel-18

[R2-2207757](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207757.zip) Discussion on XR-specific power saving vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207832.zip) Considerations on XR specific C-DRX power saving enhancements Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207846.zip) Discussion on power saving scheme for XR Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207864](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207864.zip) XR-specific power saving techniques Google Inc. discussion

[R2-2207877](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207877.zip) Discussion on Power saving enhancements Lenovo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207888](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207888.zip) Discussion on XR-specific power saving techniques Huawei, HiSilicon discussion FS\_NR\_XR\_enh

[R2-2207979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207979.zip) Power Saving enhancements for XR ZTE Corporation, Sanechips discussion

[R2-2207999](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207999.zip) C-DRX enhancements for XR MediaTek Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208019](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208019.zip) XR power saving RAN1 study overview and suggestions for RAN2 focus Nokia, Nokia Shanghai Bell (Rapporteur) discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208020](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208020.zip) XR Power Saving enhancements Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh

R2-2208295 Draft Reply LS on UE Power Saving for XR and Media Services Nokia LS out Rel-18 FS\_NR\_XR\_enh To:SA2 Cc:RAN1 Late

[R2-2208440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208440.zip) Discussion on XR-specific power saving CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208620](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208620.zip) Impacts of XR traffics on UE power saving Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208680](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208680.zip) Discussion on power saving enhancements for XR Ericsson discussion Rel-17

### 8.5.4 XR-specific capacity improvements

Including discussion on how scheduler is impacted by XR traffic in UL/DL and what kinds of scheduling mechanisms are required.

[R2-2207050](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2207050.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207050.zip) Capacity enhancements for XR Qualcomm Israel Ltd. discussion Rel-18

[R2-2207173](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207173.zip) Discussion on the UL enhancement for XR ITRI discussion FS\_NR\_XR\_enh

[R2-2207212](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207212.zip) Discussing on XR-specific capacity improvements Xiaomi Communications discussion

[R2-2207295](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207295.zip) XR-specific capacity improvements NEC Telecom MODUS Ltd. discussion

[R2-2207367](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207367.zip) Discussion on XR-specific capacity improvements TCL Communication discussion Rel-18

[R2-2207378](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207378.zip) XR Capacity Improvements Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_NR\_XR\_enh Late

[R2-2207410](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207410.zip) Discussion on XR-specific capacity improvements DENSO CORPORATION discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207431](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207431.zip) Capacity Enhancement based on XR PDU Set Characteristics Apple discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207491](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207491.zip) Discussion on XR-specific capacity improvements InterDigital, Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207510.zip) XR-specific Capacity Improvement CATT discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207674](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207674.zip) Some improvements on XR capacity Spreadtrum Communications discussion Rel-18

[R2-2207719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207719.zip) XR-specific capacity improvements MediaTek Beijing Inc. discussion Rel-18

[R2-2207758](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207758.zip) Discussion on XR Capacity Enhancements vivo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207762](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207762.zip) Discussion on XR-specific capacity improvements III discussion FS\_NR\_XR\_enh

[R2-2207785](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207785.zip) Discussion on XR capacity improvements KT Corp. discussion

[R2-2207802](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207802.zip) Discussion on XR-specific capacity improvements OPPO discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207833.zip) Considerations on XR specific capacity improvements Sony discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207878](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207878.zip) Discussion on XR-specific capacity enhancements Lenovo discussion Rel-18 FS\_NR\_XR\_enh

[R2-2207921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207921.zip) XR-specific capacity improvements Google Inc. discussion

[R2-2207978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207978.zip) Capacity enhancements of XR support in RAN ZTE Corporation, Sanechips discussion

[R2-2208232](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208232.zip) Scheduling method for XR packets ETRI discussion

[R2-2208302](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208302.zip) Discussion on XR-specific capacity improvement Samsung discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208401.zip) Discussion on Capacity enahancement for XR LG Electronics Inc. discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208417.zip) Support for XR-specific scheduler enhancements AT&T discussion Rel-18

[R2-2208422](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208422.zip) Discussion on XR-specific capacity improvements CMCC discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208498](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208498.zip) Discussion on XR-specific capacity enhancements techniques Huawei, HiSilicon discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208621](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208621.zip) Layer 2 based XR capacity enhancement Futurewei discussion Rel-18 FS\_NR\_XR\_enh

[R2-2208676](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208676.zip) XR capacity enhancements Ericsson discussion Rel-17

## 8.6 IoT NTN enhancements

(xx-Core; leading WG: RAN1; REL-18; WID: RP-221806)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.6.1 Organizational

LSs, rapporteur inputs and other organizational documents. Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

### 8.6.2 Performance Enhancements

[R2-2207060](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207060.zip) Discussion on HARQ enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207075.zip) Discussion on GNSS operation in connected mode OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207300.zip) On Disabling HARQ Feedback in IoT-NTN MediaTek Inc. discussion

[R2-2207354](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207354.zip) HARQ process enhancements Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207484.zip) Discussion on HARQ feedback disabling Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh

[R2-2207647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207647.zip) Discussion on performance enhancement for IoT NTN Transsion Holdings discussion Rel-18

[R2-2207710](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207710.zip) Considerations on reducing UE GNSS operations in long connection time Lenovo discussion Rel-18

[R2-2207841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207841.zip) Consideration on HARQ and GNSS enhancements ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2208187](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208187.zip) Disabling HARQ feedback for IoT-NTN Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2208388](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208388.zip) Discussion on the HARQ disabling in IoT NTN CATT discussion Rel-18 IoT\_NTN\_enh

[R2-2208448](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208448.zip) Discussion on the performance enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2208565](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208565.zip) Discussion on HARQ feedback disabling for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh

[R2-2208585](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208585.zip) Discussion on disabling of HARQ feedback Xiaomi discussion Rel-18

### 8.6.3 Mobility Enhancements

[R2-2207061](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207061.zip) Discussion on mobility enhancement for IoT NTN OPPO discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207275](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207275.zip) Discussion on neighbour cell measurements in IoT NTN Intel Corporation discussion Rel-18 IoT\_NTN\_enh

[R2-2207299](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207299.zip) On Mobility Enhancements in IoT-NTN MediaTek Inc. discussion

[R2-2207355](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207355.zip) Connected mode mobility enhancements Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207500](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207500.zip) Discussion on mobility enhancements for IoT NTN Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh

[R2-2207648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207648.zip) Discussion on mobility enhancement for IoT NTN Transsion Holdings discussion Rel-18

[R2-2207682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207682.zip) Discussion on triggering neighbour cell measurement before RLF Spreadtrum Communications discussion Rel-18

[R2-2207711](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207711.zip) Considerations on neighbour cell measurement for NB-IoT in NTN scenario Lenovo discussion Rel-18

[R2-2207842](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207842.zip) Consideration on mobility enhancements ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207913](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207913.zip) Discussion on mobility enhancements to IoT NTN Xiaomi discussion

[R2-2207931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207931.zip) Mobility Enhancement for IoT NTN Samsung R&D Institute UK discussion

[R2-2207939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207939.zip) Neighbour cell measurements before RLF Apple discussion Rel-18 IoT\_NTN\_enh

[R2-2208037](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208037.zip) Changes to current mobility enhancement procedures for IoT-NTN Nokia, Nokia Shanghai Bell discussion Rel-18

[R2-2208146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208146.zip) Discussion on Mobility Enhancements TURKCELL discussion Rel-18

[R2-2208188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208188.zip) IoT-NTN mobility enhancements Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2208389](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208389.zip) Discussion on the mobility enhancements in eMTC CATT discussion Rel-18 IoT\_NTN\_enh

[R2-2208449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208449.zip) Discussion on the mobility enhancement for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2208518](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208518.zip) Use of Elevation Angle Threshold for IoT NTN Neighbour Cell Measurements SHARP Corporation discussion Rel-18

[R2-2208673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208673.zip) R18 IoT NTN Mobility enhancements Ericsson discussion

### 8.6.4 Enhancements to discontinuous coverage

[R2-2207301](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207301.zip) Enhancements to discontinuous coverage in IoT-NTN MediaTek Inc. discussion

[R2-2207356](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207356.zip) RRC release procedure in discontinuous coverage Qualcomm Incorporated discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207483.zip) Discussion on the discontinuous coverage Huawei, HiSilicon discussion Rel-18 IoT\_NTN\_enh

[R2-2207649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207649.zip) Discussion on enhancement to discontinuous coverage for IoT NTN Transsion Holdings discussion Rel-18

[R2-2207683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207683.zip) Discussion on power saving mechanism for supporting discontinuous coverage Spreadtrum Communications discussion Rel-18

[R2-2207712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207712.zip) Considerations on mobility management and power saving for discontinuous coverage Lenovo discussion Rel-18

[R2-2207778](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207778.zip) Power Saving Enhancement for Discontinuous Coverage Google Inc. discussion Rel-18

[R2-2207843](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207843.zip) Consideration on discontinuous coverage enhancements ZTE Corporation, Sanechips discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2207914](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207914.zip) Discussion on enhancements to discontinuous coverage Xiaomi discussion

[R2-2208023](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208023.zip) Enhancements to discontinuous coverage Samsung R&D Institute UK discussion

[R2-2208115](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208115.zip) Power Saving Enhancement for Discontinuous Coverage Samsung R&D Institute UK discussion

[R2-2208189](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208189.zip) IoT-NTN discontinuous coverage enhancements Interdigital, Inc. discussion Rel-18 IoT\_NTN\_enh-Core

[R2-2208450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208450.zip) Discussion on the discontinuous coverage for IoT-NTN CMCC discussion Rel-18 IoT\_NTN\_enh

[R2-2208566](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208566.zip) Discussion on Discontinuous Coverage for IoT NTN Nokia, Nokia Shanghai Bell discussion Rel-18 IoT\_NTN\_enh

[R2-2208663](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208663.zip) Discussion on Enhancements related to discontinuous coverage Rakuten Mobile, Inc discussion Rel-18 R2-2201620

[R2-2208672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208672.zip) R18 IoT NTN Enhancements to discontinuous coverage Ericsson discussion

## 8.7 NR NTN enhancements

(xx-Core; leading WG: RAN1; REL-18; WID: RP-221819)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.7.1 Organizational

LSs, rapporteur inputs and other organizational documents. Rapporteur inputs and other pre-assigned documents in this AI do not count towards the tdoc limitation.

[R2-2207096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207096.zip) R18 WI NR-NTN-enh work plan at RAN1, 2 and 3 THALES Work Plan Rel-18 NR\_NTN\_enh

### 8.7.2 Coverage Enhancements

[R2-2207346](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207346.zip) Protocol overhead reduction for coverage enhancements Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207633](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207633.zip) Discussion on RAN overhead reduction for VoNR support in NR NTN vivo discussion

[R2-2207713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207713.zip) Potential issues for Msg3 repetition in NTN Lenovo discussion Rel-18

[R2-2208276](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208276.zip) Blind Msg3 retransmission in Rel-18 NTN InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208323](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208323.zip) Discussion on the coverage enhancement in NTN LG Electronics Inc. discussion NR\_NTN\_enh-Core

[R2-2208375](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208375.zip) Analysis on NTN Coverage Enhancement CATT discussion Rel-18 NR\_NTN\_enh

[R2-2208567](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208567.zip) On Coverage Enhancements for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh

[R2-2208586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208586.zip) Discussion on coverage enhancement for NR NTN Xiaomi discussion Rel-18

[R2-2208612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208612.zip) Discussion on RAN protocol overhead reduction Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh

### 8.7.3 Network verified UE location

[R2-2207074](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207074.zip) Discussion on network verified UE location OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207098](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207098.zip) Network verified UE location aspects THALES discussion Rel-18 NR\_NTN\_enh

[R2-2207274](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207274.zip) Discussion on network verified UE location Intel Corporation discussion Rel-18 NR\_NTN\_enh

[R2-2207296](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207296.zip) Assumptions on Network verified location NEC Telecom MODUS Ltd. discussion

[R2-2207302](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207302.zip) On Network Verified UE Location in NR-NTN MediaTek Inc. discussion

[R2-2207326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207326.zip) Considerations on NW-verified UE location Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207444](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207444.zip) Consideration on NTN Network Verified UE Location Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207482.zip) Discussion on the network verfied UE location Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh

[R2-2207634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207634.zip) Discussion on NW verification of UE location in Rel-18 NR NTN vivo discussion

[R2-2207645](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207645.zip) Discussion of Network verified UE location in NTN China Telecom discussion Rel-18

[R2-2207675](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207675.zip) Discussion on UE location verify procedure Spreadtrum Communications discussion Rel-18

[R2-2207779](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207779.zip) Network Verified UE Location Samsung R&D Institute UK discussion

[R2-2207866](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207866.zip) On NTN NW verified UE location aspects Lenovo discussion Rel-18

[R2-2207915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207915.zip) Discussion on network verified UE location Xiaomi discussion

[R2-2208022](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208022.zip) UE location verification in NTN Deutsche Telekom, Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208328.zip) Discussion on Network Verified UE Location NTT DOCOMO INC. discussion Rel-18

[R2-2208376](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208376.zip) Discussion on UE Location Verification CATT discussion Rel-18 NR\_NTN\_enh

[R2-2208444](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208444.zip) Consideration on UE Location Verification via Network CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208546](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208546.zip) Consideration on NW verified UE location ZTE Corporation, Sanechips discussion Rel-18

[R2-2208674](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208674.zip) R18 NR NTN Network verified UE location Ericsson discussion

### 8.7.4 NTN-TN and NTN-NTN mobility and service continuity enhancements

[R2-2207022](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207022.zip) Discussion on assistance information of cell reselection for NTN-TN mobility ITRI discussion NR\_NTN\_enh

[R2-2207048](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207048.zip) Discussion on mobility enhancements in Rel-18 NTN New H3C Technologies Co., Ltd. discussion NR\_NTN\_enh

[R2-2207062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207062.zip) Discussion on mobility enhancements for idle and inactive UEs OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207073](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207073.zip) Discussion on NTN handover enhancements OPPO discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207195](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207195.zip) Discussion on NTN-TN and NTN-NTN mobility NTT DOCOMO, INC. discussion Rel-18

[R2-2207244](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207244.zip) NTN mobility enhancements in connected mode Samsung Research America discussion Rel-18

[R2-2207245](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207245.zip) NTN cell reselection enhancements Samsung Research America discussion Rel-18

[R2-2207272](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207272.zip) Discussion on NTN handover enhancements Intel Corporation discussion Rel-18 NR\_NTN\_enh

[R2-2207273](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207273.zip) Discussion on NTN cell reselection enhancements Intel Corporation discussion Rel-18 NR\_NTN\_enh

[R2-2207297](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207297.zip) NTN-NTN handover enhancement for RRC\_CONNECTED UEs NEC Telecom MODUS Ltd. discussion

[R2-2207298](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207298.zip) Solutions to reduce UE power consumption for NTN to TN mobility in Idle or Inactive mode NEC Telecom MODUS Ltd. discussion

[R2-2207303](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207303.zip) Improving Cell Reselection in NR-NTN MediaTek Inc. discussion

[R2-2207304](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207304.zip) Handover Enhancement in LEO NTN with Earth-moving Cells MediaTek Inc. discussion

[R2-2207327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207327.zip) On NTN-NTN and TN-NTN mobility in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207347.zip) Signaling and congestion reduction in satellite switch Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207348.zip) IDLE mode TN-NTN mobility enhancement Qualcomm Incorporated discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207445](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207445.zip) NTN-NTN Mobility Enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207446](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207446.zip) NTN-TN Mobility Enhancement Apple discussion Rel-18 NR\_NTN\_enh-Core

[R2-2207499](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207499.zip) Discussion on NTN mobility enhancements Huawei, HiSilicon discussion Rel-18 NR\_NTN\_enh

[R2-2207635](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207635.zip) Discussion on mobility and service continuity enhancement vivo discussion

[R2-2207646](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207646.zip) Discussion of NTN-TN mobility China Telecom discussion Rel-18

[R2-2207650](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207650.zip) Discussion on NTN mobility and service continuity enhancements Transsion Holdings discussion Rel-18

[R2-2207676](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207676.zip) Some enhancements in NTN Handover Spreadtrum Communications discussion Rel-18

[R2-2207714](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207714.zip) Issue analysis for service continuity in TN-NTN and NTN-NTN scenarios Lenovo discussion Rel-18

R2-2207732 Discussion on handover for NTN BUPT discussion Withdrawn

[R2-2207767](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207767.zip) Discussion on NTN-TN mobility and NTN-NTN mobility ITL discussion Rel-18

[R2-2207834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207834.zip) NTN-TN mobility enhancements Sony discussion Rel-18 NR\_NTN\_enh

[R2-2207835](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207835.zip) Signaling overhead reduction during NTN-NTN HOs Sony discussion Rel-18 NR\_NTN\_enh

R2-2207892 Discussion on handover for NTN BUPT discussion Withdrawn

[R2-2207894](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207894.zip) Network-driven NTN-NTN Mobility Considerations Lockheed Martin discussion Late

[R2-2207916](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207916.zip) Discussion on mobility and service continuity enhancements Xiaomi discussion

[R2-2207986](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207986.zip) Discussion on target cell's timing for intra-satellite and inter-satellite handover under users of non-uniform spatio -temporal distribution BUPT discussion

[R2-2208147](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208147.zip) Discussion on ephemeris usage for NR NTN TURKCELL discussion Rel-18 Withdrawn

[R2-2208277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208277.zip) RRC Idle/Inactive measurement, mobility, and service continuity InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208278](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208278.zip) RRC Connected measurement, mobility, and service continuity InterDigital discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208280](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208280.zip) Discussion on cell reselection enhancement for NTN LG Electronics France discussion Rel-18 NR\_NTN\_enh

[R2-2208282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208282.zip) Reducing UE power consumption in idle inactive mode LG Electronics France discussion Rel-18 NR\_NTN\_enh

[R2-2208332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208332.zip) Cell reselection enhancements in NTN-NTN and NTN-TN mobility ZTE corporation, Sanechips discussion Rel-18

[R2-2208333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208333.zip) Discussion on NTN-NTN handover enhancement ZTE corporation, Sanechips discussion Rel-18

[R2-2208377](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208377.zip) Discussion on NTN Mobility Enhancements CATT discussion Rel-18 NR\_NTN\_enh

[R2-2208424](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208424.zip) Discussion on cell reselection enhancements CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208425](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208425.zip) Discussion on mobility enhancements for connected mode CMCC discussion Rel-18 NR\_NTN\_enh-Core

[R2-2208641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208641.zip) Discussion on ephemeris usage for NR NTN TURKCELL, Deutsche Telekom discussion Rel-18

[R2-2208670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208670.zip) R18 NR NTN Mobility enhancements Ericsson discussion

[R2-2208671](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208671.zip) R18 NR NTN Idle mode Mobility enhancements Ericsson discussion

## 8.8 NR support for UAV

(xx-Core; leading WG: RAN1; REL-18; WID: RP-213600)

Time budget: 0.5 TU

Tdoc Limitation: 2

### 8.8.1 Organizational

[R2-2207328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207328.zip) Uncrewed Aerial Vehicles in Rel-18 - workplan Nokia, Nokia Shanghai Bell Work Plan Rel-18 NR\_UAV-Core

### 8.8.2 Measurement reporting

*Contributions should focus on enhancement to measurement reports, for example UE-triggered measurement report based on configured height thresholds, Reporting of height, location and speed in measurement report, Flight path reporting, Measurement reporting based on a configured number of cells (i.e. larger than one) fulfilling the triggering criteria simultaneously*

*Note: Work done in LTE is a starting point for this objective. NR-specific enhancements can be considered, if needed, while overall the LTE and NR solutions should be harmonized as much as possible.*

### 8.8.3 Subscription-based aerial-UE identification

Contributions should focus on signaling required to support subscription-based aerial-UE identification

*Note: Work done in LTE is a starting point for this objective. NR-specific enhancements can be considered, if needed, while overall the LTE and NR solutions should be harmonized as much as possible.*

### 8.8.4 UAV identification broadcast

*Study and specify, if needed, enhancements for UAV identification broadcast*

NOTE: This Agenda Item will not be treated in this meeting

[R2-2207076](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207076.zip) Consideration on measurement reporting of NR support for UAV DENSO CORPORATION discussion NR\_UAV-Core

[R2-2207154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207154.zip) Considerations on Measurement Reports Enhancements NEC Europe Ltd discussion Rel-18 NR\_UAV-Core

[R2-2207194](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207194.zip) Discussion on NR support for UAV NTT DOCOMO, INC. discussion Rel-18

[R2-2207233](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207233.zip) Measurement Reports Enhancement for UAV OPPO discussion Rel-18

[R2-2207329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207329.zip) On measurement reporting enhancements for UAVs - LTE baseline in NR framework Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_UAV-Core

[R2-2207518](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207518.zip) Measurement Reporting for NR UAV CATT discussion Rel-18 NR\_UAV-Core

[R2-2207601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207601.zip) Discussion on measurement reporting enhancement for NR UAV vivo discussion Rel-18 NR\_UAV

[R2-2207602](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207602.zip) Discussion on flight path reporting for NR UAV vivo discussion Rel-18 NR\_UAV

[R2-2207624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207624.zip) On measurement and reporting enhancements Ericsson discussion NR\_UAV-Core Revised

[R2-2207715](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207715.zip) measurement report enhancement for NR UAV Lenovo discussion Rel-18

[R2-2207836](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207836.zip) UAV measurement reporting Sony discussion Rel-18 NR\_UAV

[R2-2207925](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207925.zip) NR support for UAV first steps plus Inter RAT aspects Vodafone GmbH discussion Rel-18

[R2-2207935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207935.zip) Discussion on measurement reporting in UAV Apple discussion Rel-18 NR\_UAV-Core

[R2-2208042](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208042.zip) On measurement and reporting enhancements Ericsson discussion NR\_UAV-Core [R2-2207624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207624.zip)

[R2-2208098](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208098.zip) Measurement and reporting enhancements Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2208099](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208099.zip) Mobility considerations and some performance results Qualcomm Incorporated discussion Rel-18 NR\_UAV-Core

[R2-2208250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208250.zip) UAV support for NR Intel Corporation discussion Rel-18 NR\_UAV-Core

[R2-2208279](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208279.zip) Measurement reporting for UAV InterDigital discussion Rel-18 NR\_UAV-Core

[R2-2208335](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208335.zip) Measurement Report Enhancement LG Electronics Finland discussion

[R2-2208336](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208336.zip) Flight Path Information Enhancement LG Electronics Finland discussion

[R2-2208412](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208412.zip) Discussion on measurement reporting enhancements for NR UAV ZTE Corporation, Sanechips discussion Rel-18 NR\_UAV-Core

[R2-2208421](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208421.zip) Consideration on subscription-based UAV identification Huawei, HiSilicon discussion Rel-19 NR\_UAV-Core

[R2-2208445](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208445.zip) Consideration on Measurement Reporting for UAV CMCC discussion Rel-18 NR\_UAV-Core

[R2-2208469](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208469.zip) Discussion on measurement reporting for NR UAV Xiaomi discussion

[R2-2208608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208608.zip) Discussion on enhancements on measurement reports for NR UAV Samsung Electronics Co., Ltd discussion Rel-18 NR\_UAV-Core

## 8.9 Enhanced NR Sidelink Relay

(NR\_SL\_relay\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221262)

Time budget: 1 TU

Tdoc Limitation: 3 tdocs

### 8.9.1 Organizational

Including incoming LSs and rapporteur inputs.

[R2-2208345](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208345.zip) Work plan for NR sidelink relay enhancements LG Electronics France Work Plan Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.2 UE-to-UE relay

Single-hop Layer-2 and Layer-3 UE-to-UE relay for unicast. Focus for this meeting is on the common L2/L3 parts: relay discovery and (re)selection. Tdocs on other aspects of the objective may be submitted but will not be treated at this meeting.

[R2-2207077](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207077.zip) Discussion on NR sidelink UE-to-UE relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207126](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207126.zip) Discovery and Relay (re-)selection for UE-to-UE relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2207170](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207170.zip) Connection management and procedures for L2 UE-to-UE relay MediaTek Inc. discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207182](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207182.zip) Discussion on U2U relay discovery and relay selection Xiaomi discussion

[R2-2207198](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207198.zip) Discussion on U2U relay discovery and (re)selection ZTE discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207239](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207239.zip) Discussion on Sidelink U2U Relay Discovery and (Re-)Selection Fraunhofer IIS, Fraunhofer HHI discussion Rel-18 NR\_SL\_relay\_enh, NR\_SL\_relay\_enh-Core

[R2-2207252](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207252.zip) Design aspects of relay selection and reselection for U2U relay Ericsson discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207278](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207278.zip) Discovery and reselection with UE-to-UE relaying Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2207336](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207336.zip) Basic aspects for U2U Relay work Lenovo discussion NR\_SL\_relay\_enh-Core Late

[R2-2207457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207457.zip) Discussion on U2U Relay Discovery and Relay (Re)-selection Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207520.zip) Discussion on U2U Relay Discovery and (Re)selection CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207644](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207644.zip) Discussion on mechanisms to support UE-to-UE relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207653](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207653.zip) Consideration for UE-to-UE relay operation LG Electronics France discussion Rel-18

[R2-2207686](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207686.zip) Discussion on relay discovery and (re)selection for U2U relay Spreadtrum Communications discussion Rel-18

[R2-2207729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207729.zip) Overall views on U2U sidelink relay Samsung R&D Institute UK discussion

[R2-2207838](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207838.zip) UE-to-UE relay cell reselection and Relay UE DRX Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2207860](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207860.zip) Scenarios that require UE-to-UE relay (re)selection Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207861](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207861.zip) UE-to-UE relay discovery and (re)selection Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208005.zip) Clarifications on the scope of SL based U2U Relay Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208039](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208039.zip) Initial considerations for U2U L2 relay CP operations Kyocera discussion

[R2-2208041](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208041.zip) Initial considerations for U2U relay discovery and (re)selection Kyocera discussion

[R2-2208083](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208083.zip) Discussion on L2 and L3 U2U relay vivo discussion

[R2-2208151](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208151.zip) Discovery and Relay Selection for UE-to-UE Relays InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208427](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208427.zip) Consideration on U2U relay CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208489](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208489.zip) Discussion on UE-to-UE relay Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.3 Service continuity enhancements for L2 UE-to-network relay

Inter-gNB direct/indirect path switching; intra-gNB indirect/indirect path switching; and inter-gNB indirect/indirect path switching, to be supported by reuse of solutions for the other scenarios.

[R2-2207078](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207078.zip) Discussion on further enhancement of U2N service continuity OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207133.zip) Service continuity for UE-to-Network relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2207169](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207169.zip) Service Continuity Enhancement for Sidelink Relay MediaTek Inc. discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207181](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207181.zip) Discussion on service continuity enhancement Xiaomi discussion

[R2-2207199](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207199.zip) Discussion on Service continuity enhancement for U2N relay ZTE discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207220.zip) Service Continuity Enhancements for Layer-2 UE-to-Network Relays Ericsson España S.A. discussion Rel-18

[R2-2207279](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207279.zip) Service continuity enhancements for L2 U2N relaying Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2207420](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207420.zip) Discussion on Service continuity enhancement of L2 U2N relay Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207521](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207521.zip) Service Continuity Enhancements for L2 U2N Relay CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207642.zip) Discussion on service continuity enhancements for L2 U2N relay China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207652.zip) Service continuity enhancements for L2 U2N relay LG Electronics France discussion Rel-18

[R2-2207687](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207687.zip) Service continuity enhancements support for L2 U2N relay Spreadtrum Communications discussion Rel-18

[R2-2207700](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207700.zip) Discussion on Service continuity in U2N relay case Lenovo discussion Rel-18

[R2-2207839](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207839.zip) Service continuity enhancements for UE sidelink relay Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2207963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207963.zip) Considerations on Service Continuity Enhancement NEC Corporation discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208006.zip) Discussion on service continuity enhancement for L2 U2N relay Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208082.zip) On service continuity enhancement for L2 U2N relay vivo discussion

[R2-2208158](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208158.zip) U2N Relay UE operation Threshold Conditions: Impact of UE Mobility Philips International B.V. discussion Rel-18 NR\_SL\_relay\_enh-Core R2-2109823

[R2-2208229](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208229.zip) Discussion on Service Continuity Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208260.zip) Service continuity enhancement for L2 U2N relay Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208428.zip) Service continuity on U2N relay CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

### 8.9.4 Multi-path relaying

Study the benefit and potential solutions for multi-path support to enhance reliability and throughput. Includes the cases where a UE is connected to the same gNB using one direct path and one indirect path via 1) Layer-2 UE-to-Network relay, or 2) via another UE (where the UE-UE inter-connection is assumed to be ideal).

[R2-2207015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207015.zip) Discussion on multi-path SL relay OPPO discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207137](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207137.zip) Initial discussion on multi-path operation for UE-to-Network relay Qualcomm Incorporated discussion NR\_SL\_relay\_enh-Core

[R2-2207180](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207180.zip) Discussion on multi-path Xiaomi discussion

[R2-2207187](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207187.zip) Initial consideration on the multi-path relaying ZTE, Sanechips discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207221](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207221.zip) Multipath Support with Direct path and Indirect path Ericsson España S.A. discussion Rel-18

[R2-2207280](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207280.zip) Discussion on Multi-path Relaying Intel Corporation discussion Rel-18 NR\_SL\_relay-Core

[R2-2207361](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207361.zip) Multipath support for remote UE MediaTek Beijing Inc. discussion Rel-18

[R2-2207458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207458.zip) Discussion on multi-path support Apple discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207522](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207522.zip) Discussion on Multi-path CATT discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207643.zip) Discussion on multi-path support to enhance reliability and throughput China Telecom discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207688](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207688.zip) Discussion on multi-path relaying Spreadtrum Communications discussion Rel-18

[R2-2207701](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207701.zip) Discussion on Multi-path relaying Lenovo discussion Rel-18

[R2-2207840](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207840.zip) Multi-path relaying discussion Sony discussion Rel-18 NR\_SL\_relay\_enh

[R2-2207847](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207847.zip) Discussion on multipath for sidelink relay enhancement Samsung discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207862](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207862.zip) benefit of multi-path relay Sharp discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2207964](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207964.zip) Considerations on Multipath of Sidelink Relay NEC Corporation discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208081](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208081.zip) Multi-path UE aggregation on PC5 and Ideal-link vivo discussion

[R2-2208152](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208152.zip) Scenarios, Use Cases, and Protocol Architecture for Multi-path InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208153](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208153.zip) Design Aspects for Multi-path InterDigital discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208154.zip) Considerations on reliability and throughput for multi-path Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208349](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208349.zip) Multi-path relaying for NR sidelink relay enhancements LG Electronics France discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208429.zip) Multi-path and UE aggregation CMCC discussion Rel-18 NR\_SL\_relay\_enh-Core

[R2-2208488](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208488.zip) Discussion on Rel-18 multi-path via SL relay and UE aggregation Huawei, HiSilicon discussion Rel-18 NR\_SL\_relay\_enh-Core

## 8.10 IDC enhancements for NR and MR-DC

(NR\_IDC\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221281)

Time budget: 1 TU

Tdoc Limitation: 2 tdocs

This WI expects to address interference between 3GPP (including various MR-DC architectures, i.e. NR-DC and EN-DC) and non-3GPP RAT (e.g. WiFi). Note: Enhancements to FDM solution is prioritized. LTE IDC solution should be considered as the baseline for the solutions developed in this WI.

### 8.10.1 Organizational

LS in. Rapporteur Input

[R2-2207161](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207161.zip) Clarification on the IDC scope ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207803](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207803.zip) Work Plan for Rel-18 IDC Xiaomi discussion Rel-18 NR\_IDC\_Enh-Core

### 8.10.2 FDM solution enhancements

Enhancements to FDM solution, to allow more granular indication of affected frequencies (e.g. granularity of BWP or PRB level).

[R2-2207162](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207162.zip) Consideration on the FDM enhancement ZTE Corporation, Sanechips discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207469](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207469.zip) Discussion on FDM solution enhancements for IDC OPPO discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207539.zip) Discussion on FDM solution enhancements Sharp discussion

[R2-2207556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207556.zip) Assistance information for FDM Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207804](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207804.zip) Discussion on the IDC FDM solutions Xiaomi discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207844](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207844.zip) Discussion on FDM solution for in-device co-existence interference avoidance Samsung discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207936](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207936.zip) Discussion on FDM solution in IDC Apple discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207968](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207968.zip) Enhanced FDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208116](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208116.zip) FDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

[R2-2208135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208135.zip) FDM solution for IDC Ericsson discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208230](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208230.zip) Discussion on FDM enhancement Huawei, HiSilicon discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208396.zip) Discussion on FDM solution for R18 IDC vivo discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208524](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208524.zip) IDC FDM solution LG Electronics discussion Rel-18

### 8.10.3 TDM solution

Introduction of TDM solution (e.g. indication of UE preferred TDM pattern for UL/DL).   
Note: The TDM solution is considered complementary to the FDM solution.

[R2-2207379](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207379.zip) TDM Assistance Information for IDC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207718](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207718.zip) TDM solution for IDC problem Lenovo discussion Rel-18

[R2-2207805](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207805.zip) Candidate TDM solutions for IDC Xiaomi discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207845.zip) Discussion on TDM solution for in-device co-existence interference avoidance Samsung discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207937](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207937.zip) Discussion on TDM solution in IDC Apple discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2207969](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207969.zip) TDM solution for IDC Intel Corporation discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208113.zip) TDM Solution for NR IDC Ericsson discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208118.zip) TDM Solutions in IDC Qualcomm Incorporated discussion Rel-18

[R2-2208231](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208231.zip) Discussion on TDM solution for NR IDC Huawei, HiSilicon discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208397](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208397.zip) Discussion on TDM solution for IDC vivo discussion Rel-18 NR\_IDC\_Enh-Core

[R2-2208525](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208525.zip) IDC TDM solution LG Electronics discussion Rel-18

## 8.11 Enhancements of NR Multicast and Broadcast Services

(NR\_MBS\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221458)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.11.1 Organizational

LS in, rapporteur input etc.

[R2-2206965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206965.zip) UE capabilities for MBS (S2-2203020; contact: Qualcomm) SA2 LS in Rel-18 FS\_5MBS\_Ph2 To:RAN1 Cc:RAN, RAN2, RAN3

[R2-2206973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206973.zip) Reply LS on UE capabilities for MBS (RP-221861; contact: Qualcomm) RAN LS in Rel-18 FS\_5MBS\_Ph2 To:SA2 Cc:RAN1, RAN2, RAN3

[R2-2207770](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207770.zip) Rel-18 NR MBS enhancement workplan CATT Work Plan Rel-18 NR\_MBS\_enh-Core

### 8.11.2 Multicast reception in RRC\_INACTIVE

Specify support of multicast reception by UEs in RRC\_INACTIVE state [RAN2, RAN3], PTM configuration for UEs receiving multicast in RRC\_INACTIVE state [RAN2]. Study the impact of mobility and state transition for UEs receiving multicast in RRC\_INACTIVE. (Seamless/lossless mobility is not required) [RAN2, RAN3]

[R2-2206987](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206987.zip) Discussion on supporting group scheduling for RRC\_INACTIVE UEs FGI discussion

[R2-2206988](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206988.zip) Multicast reception in RRC\_INACTIVE state TD Tech Ltd discussion Rel-18

[R2-2206997](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206997.zip) Discussion on multicast reception in RRC\_INACTIVE state OPPO discussion Rel-18 NR\_MBS\_enh

[R2-2207047](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207047.zip) Considerations for Multicast Reception in RRC\_INACTIVE Samsung discussion Rel-18

[R2-2207191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207191.zip) Discussion on RAN based Notification Area for Multicast Mobility in RRC Inactive State TCL Communication Ltd. discussion Rel-18

[R2-2207204](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207204.zip) Overview considerations on Multicast reception in RRC\_INACTIVE NEC Europe Ltd discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207227](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207227.zip) Supporting Multicast Reception in RRC\_INACTIVE vivo discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207318](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207318.zip) Discussion on possible approaches to support multicast for inactive UEs Futurewei discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207412](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207412.zip) State transition for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

[R2-2207415](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207415.zip) PTM configuration for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

[R2-2207447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207447.zip) Multicast reception in RRC\_INACTIVE state Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207481.zip) Considerations on the multicast reception in RRC\_INACTIVE Beijing Xiaomi Software Tech discussion Rel-18

[R2-2207557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207557.zip) MBS inactive principles Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207566](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207566.zip) Discussion on multicast enhancement for RRC INACTIVE state MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207588](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207588.zip) Multicast reception in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207689](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207689.zip) Discussion on Multicast Reception in RRC\_INACTIVE Spreadtrum Communications discussion Rel-18

[R2-2207698](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207698.zip) PTM configuration for multicast reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2207699](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207699.zip) Mobility and state transition for multicast reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2207720](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207720.zip) Mobility of UEs receiving multicast in RRC\_INACTIVE state CANON Research Centre France discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207730](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207730.zip) PTM Configuration in RRC\_INACTIVE SHARP Corporation discussion NR\_MBS\_enh-Core

[R2-2207771](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207771.zip) Discussion on multicast reception in RRC\_INACTIVE CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208093.zip) MBS multicast reception in RRC\_INACTIVE Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208096.zip) Multicast reception by UEs in RRC\_INACTIVE state Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208289.zip) Multicast reception in RRC INACTIVE Kyocera discussion Rel-18

[R2-2208312](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208312.zip) Multicast reception in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18

[R2-2208374](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208374.zip) MBS support in RRC\_INACTIVE InterDigital, Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208441](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208441.zip) Initial consideration on multicast reception in RRC\_INACTIVE CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208499](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208499.zip) Multicast reception in RRC\_INACTIVE Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208520.zip) Discussion on user plane aspects for support of multicast in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208633](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208633.zip) Multicast reception in RRC\_INACTIVE ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

### 8.11.3 Shared processing for MBS broadcast and Unicast reception

Specify Uu signalling enhancements to allow a UE to use shared processing for MBS broadcast and unicast reception, i.e., ‎including UE capability and related assistance information reporting regarding simultaneous unicast reception in RRC\_CONNECTED and MBS broadcast reception from the same or different operators [RAN2]

[R2-2206989](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206989.zip) Simultaneous unicast reception and MBS broadcast reception TD Tech Ltd discussion Rel-18

[R2-2206990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206990.zip) A new MCCH transmission method Chengdu TD Tech, TD Tech discussion Rel-18

[R2-2206991](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206991.zip) MBS reception interruption problem in LTE and NR TD Tech Ltd discussion Rel-18 Withdrawn

[R2-2206998](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206998.zip) Discussion on support of FTA in NR OPPO discussion Rel-18 NR\_MBS\_enh

[R2-2207014](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207014.zip) MBS reception interruption problem in LTE and NR Chengdu TD Tech, TD Tech discussion Rel-18

[R2-2207184](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207184.zip) Discussion on UE shared Processing for Broadcast and Unicast Services Reception TCL Communication Ltd. discussion Rel-18

[R2-2207228](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207228.zip) Supporting Shared Processing for MBS Broadcast and Unicast vivo discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207448](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207448.zip) Sharing processing of MBS broadcast and unicast reception Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207567](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207567.zip) Discussion on broadcast coexistence and signaling enhancement MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207589](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207589.zip) Discussion on shared processing for MBS broadcast and unicast reception Huawei, CBN, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207690](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207690.zip) Discussion on shared processing for MBS broadcast and Unicast Reception Spreadtrum Communications discussion Rel-18

[R2-2207772](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207772.zip) Discussions on shared processing for MBS broadcast and unicast reception CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2207808](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207808.zip) Discussion on shared processing for MBS broadcast and unicast reception Xiaomi discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208092](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208092.zip) MBS broadcast and unicast reception with shared resources Ericsson discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208097.zip) Shared processing for MBS broadcast and unicast reception Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208182](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208182.zip) Shared processing for MBS broadcast and unicast reception Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208290.zip) Shared processing for simultaneous reception of MBS and unicast Kyocera discussion Rel-18

[R2-2208442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208442.zip) Discussion on shared processing for broadcast and unicast reception CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208548.zip) Shared processing for simultaneous MBS broadcast and Unicast reception Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208591](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208591.zip) Uu Signaling Enhancements for MBS Samsung discussion Rel-18 NR\_MBS\_enh-Core

[R2-2208634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208634.zip) On shared processing for MBS broadcast and Unicast reception ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

## 8.12 Mobile IAB (Integrated Access and Backhaul) for NR

( NR\_mobile\_IAB -Core; leading WG: RAN3; REL-18; WID: RP-221815)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

* [AT119-e][031][IAB18] (Qualcomm)

Scope: Based on the input/proposals to this meeting, the WID, and the online discussion, the rapporteur is asked to carefully select a limited number of points / sub-topics that are interesting from R2 point of view Can discuss: whether there is a possible way forward, an issue that need to be resolved etc. If applicable can also identify points to ask other group(s) in an LS out.

Intended outcome: Report, identifying, possible agreements/ways forward, issues that need to be resolved, points to be excluded, with <= **5** proposals.

Deadline: In time for short CB W2 Friday

*Chair: Note that the bar is high for identifying FFSes, issues that need to be resolved for this WI. R2 should only work on core Uu functionality that is essential for this WI. After more R3 progress there will be plenty of concrete points to look at.*

### 8.12.1 Organizational

Ls in Rapporteur input etc

[R2-2207282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207282.zip) Workplan for Rel-18 mobile IAB Qualcomm Inc. (Rapporteur) Work Plan Rel-18 NR\_mobile\_IAB

- QC point out that full migration need to be re-agreed by R3 but we can make assumptions

* noted

### 8.12.2 Mobility Enhancements

Enhancements for mobility of an IAB-node together with its served UEs, including aspects related to group mobility. No optimizations for the targeting of surrounding UEs. [RAN3, RAN2]

Basic Aspects

[R2-2207128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207128.zip) Mobile IAB mobility enhancement Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

DISCUSSION

P2

- Ericsson think it is too early to decide, SA2 are working on this. QC prefer to skip thie.

- P3

- Ericsson think we need to confirm with R1

* The method of not broadcasting “iab-Support” indication, is sufficient to prevent other IAB-node from accessing mobile IAB (without further spec impact).
* R2 assumes RACH-less procedure may be considered for on-board RRC\_CONNECTED UEs, which are to be handed over together with the mobile IAB-node (would depend also on the assumptions for UL synch).

Group Mobility

[R2-2208268](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208268.zip) Group mobility in mobile IAB InterDigital, Inc. discussion Rel-18 NR\_mobile\_IAB-Core

* Noted

[R2-2208103](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208103.zip) Mobility enhancements for mIAB node Ericsson discussion

* Noted

DISCUSSION on the two docs above

- HW think that CHO-like solution could be dependent on L1L2 mobility. HW point out that we don’t have UE mobility modification for this WI.

- Ericsson: Observation: having separate Preparation and execution could also be a principle for the Mobile IAB node

- Samsung think that delayed RRC reconfiguration could also be a method.

- Chair: there is also a requirement to support legacy UEs.

* R2 assumes that CHO or delayed RRC config could be the baseline for group mobility (FFS if could be applicable for mobility of IAB MT), i.e. with a preparation in advance (not immediately) of the execution.

[R2-2208523](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208523.zip) Concurrent UE handovers resulting from IAB node full migration LG Electronics discussion Rel-18

[R2-2208292](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208292.zip) UE handover aspects for mobile IAB Kyocera discussion Rel-18

[R2-2207121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207121.zip) Mobility Enhancement of mobile IAB-node and served UEs Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

TAU RNAU

[R2-2207186](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207186.zip) Discussion on group mobility of UEs served by mobile IAB ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2207283](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207283.zip) Enhancements for IAB-node mobility Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

General

[R2-2207816](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207816.zip) Discussion on the enhancement of IAB node mobility Samsung R&D Institute UK discussion

[R2-2207421](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207421.zip) Discussion on mobility enhancement in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2207708](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207708.zip) Mobility enhancements for mobile IAB-node and its served UE Lenovo discussion Rel-18

[R2-2207826](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207826.zip) Mobility enhancement for mobile IAB Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2208242](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208242.zip) IAB mobility Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2208267](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208267.zip) Mobility state of an IAB cell InterDigital, Inc. discussion Rel-18 NR\_mobile\_IAB-Core

Cell reselection

[R2-2208459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208459.zip) Discussion on mobile IAB vivo discussion Rel-18

### 8.12.3 Other

Define Procedures for migration/topology adaptation to enable IAB-node mobility, including inter-donor migration of the entire mobile IAB-node (full migration) [RAN3, RAN2]. Mitigation of interference due to IAB-node mobility, including the avoidance of potential reference and control signal collisions (e.g. PCI, RACH). [RAN3, RAN2]. Also At the beginning of the work period, RAN3, RAN2 should discuss the potential complexity of a scenario where a mobile IAB node connects to a stationary (intermediate) IAB node, with respect to the scenario where a mobile IAB node connects directly to an IAB-donor.

Multi-hop

Note in the WID

[R2-2207124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207124.zip) Discussion on multi-hop scenario for mobile IAB-node Intel Corporation, Qualcomm, Huawei, Ericsson, Nokia, InterDigital discussion Rel-18 NR\_mobile\_IAB-Core

DISCUSSION

- AT&T prefer that enhancements/optimizations could be judged case by case. Samsung agrees that the wording is too strong, and would not like to rule out certain solutions right now

- Intel, Verizon and some other want to clarify that enhancemetns are deprioritzed.

- Chair: OK such enhancements are deprioritized.

* R2 assumes that Mobile IAB connecting to a stationary (intermediate) IAB node is/can be supported. R2 assumes this can be supported with no (or limited) impact.

[R2-2208514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208514.zip) Consideration on potential complexity of a scenario LG Electronics Inc. discussion Rel-18 NR\_mobile\_IAB-Core

Assumptions on full migration

[R2-2207129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207129.zip) Full migration and interference mitigation Huawei, HiSilicon discussion Rel-18 NR\_mobile\_IAB-Core

* Noted

[R2-2207122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207122.zip) Discussion on Migration and PCI handling of mobile IAB-node Intel Corporation discussion Rel-18 NR\_mobile\_IAB-Core

* Noted

DISCUSSION on full migration

- Chair: this is just an initial exchange of understandings and views to get on the same page. RAN3 will need to progress on full migration for a better baseline.

- Ericsson think we can maybe list the different options, but better to wait For R3. Think group mobility can be different dep on R3 decisions.

- AT&T think a main difference is that these migrations need to happen fast. Are targeting FR2. LG agrees that the time criticality is a major aspect.

- QC think A and B reflect the papers submitted.

- Huawei think the two understandings are not mutually exclusive. Think B could be reestablishment, Ericsson think B is not reestablishment.

- QC point out that there is a security change, maybe something to look at

The understandings in inputs to the current meeting:

A) In the dual DU approach the CU change (from UE point of view) is done by moving UEs from one CU/DU to the other CU/DU (e.g. can be one by one, sequentially).

B) Big Bang relocation: CU + DU + All Ues are moved at the same time.

[R2-2207284](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207284.zip) Other enhancements for mobile IAB Qualcomm Inc. discussion Rel-18 NR\_mobile\_IAB

[R2-2207185](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207185.zip) Discussion on topology adaptation in mobile IAB scenario ZTE, Sanechips discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2207422](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207422.zip) Discussion on RAN2 aspects of inter-donor full migration and mitigation of interference in mobile IAB Apple discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2207627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207627.zip) mIAB - other key issues Samsung R&D Institute UK discussion

General

[R2-2207709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207709.zip) Discussion on inter-donor full migration of mobile IAB Lenovo discussion Rel-18

[R2-2208291](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208291.zip) Scenarios on mobile IAB topology Kyocera discussion Rel-18

PCI RACH collision

[R2-2207827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207827.zip) PCI collision in mobile IAB Sony discussion Rel-18 NR\_mobile\_IAB

[R2-2208104](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208104.zip) On Migration and Interference mitigation Ericsson discussion

[R2-2208251](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208251.zip) Consideration on PCI collisions for Mobile IAB Sharp discussion Rel-18

## 8.13 Further enhancement of data collection for SON MDT in NR and EN-DC

(NR\_ENDC\_SON\_MDT\_enh2-Core; leading WG: RAN3; REL-18; WID: RP-221825)

Includes LS in’s related to AI/ML for NG-RAN

Time budget: 1 TU

Tdoc Limitation: 4 tdocs

### 8.13.1 Organizational

Ls in Rapporteur input.

[R2-2208452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208452.zip) Work plan for Further Enhancement of Data Collection for SON\_MDT in NR standalone and MR-DC WI CMCC Work Plan Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

### 8.13.2 Data collection for MRO for MR DC SCG failure and Inter-system handover for voice fallback.

Focus on UE impact

[R2-2207093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207093.zip) Discussion on MRO of inter-system HO voice fallback OPPO discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207192](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207192.zip) Discussion on MRO enhancement for inter-system handover for voice fallback NTT DOCOMO, INC. discussion Rel-18

[R2-2207193](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207193.zip) Discussion on MRO for MR-DC SCG failure scenario and fast MCG recovery failure NTT DOCOMO, INC. discussion Rel-18

[R2-2207476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207476.zip) Data for MRO related Enhancements CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207704](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207704.zip) MRO for inter-system handover for voice fallback Lenovo discussion Rel-18

[R2-2207954](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207954.zip) Discussion on the inter-system handover for voice fallback Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207955](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207955.zip) Discussion on MR-DC SCG failure Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208157](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208157.zip) Data collection for MRO for MR-DC SCG failures and inter-system handover for voice fallback Qualcomm Incorporated discussion Rel-18

[R2-2208177](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208177.zip) On Mobility Robustness Optimization Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208436](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208436.zip) Discussion on inter-system handover for voice fallback CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208542](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208542.zip) Consideration on MRO for EPS fallback via HO and MRDC SCG failure ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208583](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208583.zip) Discussion on MRO for MR-DC SCG failure and inter-system handover voice fallback Xiaomi discussion Rel-18

[R2-2208610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208610.zip) UE reporting to enhance mobility parameter tuning Samsung R&D Institute India discussion

### 8.13.3 Miscellaneous SON MDT enhancements

Determine and consolidate RAN2 impacts for Support of SON/MDT enhancements for [RAN3, RAN2]: MR-DC CPAC, Successful PScell change report, Successful Handover Report (e.g. inter-RAT), NPN, RACH report, fast MCG recovery, NR-U (MRO and UL MLB)

[R2-2207091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207091.zip) Discussion of SON on MR-DC CPAC OPPO discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207092](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207092.zip) SON on fast MCG recovery OPPO discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207196.zip) Discussion on SON for MR-DC CPAC NTT DOCOMO, INC. discussion Rel-18

[R2-2207437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207437.zip) SON enhancements for NR-U Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207438](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207438.zip) SON enhancements for RACH partitioning Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207477](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207477.zip) General Considerations on SON MDT enhancements CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207478](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207478.zip) Discussion on CPAC and Successful Report for Inter-RAT Handover and PSCell Change CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207705](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207705.zip) SON enhancements for CPC and fast MCG link recovery Lenovo discussion Rel-18

[R2-2207706](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207706.zip) SON enhancements for successful PSCell change report and SHR for inter-RAT HO Lenovo discussion Rel-18

[R2-2207707](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207707.zip) MRO for handover failure or SCG failure in NR-U Lenovo discussion Rel-18

[R2-2207721](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207721.zip) Discussion on the SON/MDT enhancement for NPN and RACH report Beijing Xiaomi Software Tech discussion Rel-18

[R2-2207908](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207908.zip) SONMDT enhancements for RACH enhancements NEC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207909](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207909.zip) Discussion on successful PSCell change report NEC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207956](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207956.zip) Discussion on other SON enhancements Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208066](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208066.zip) Discussion on CPAC failure information vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208067.zip) Discussion on successful PSCell change report vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208068](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208068.zip) Discussion on RACH report enhancement vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208159.zip) Miscellaneous SON MDT enhancements Qualcomm Incorporated discussion Rel-18

[R2-2208160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208160.zip) SON enhancements for NR-U Qualcomm Incorporated discussion Rel-18

[R2-2208176](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208176.zip) SON support for NPN Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208178](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208178.zip) Supporting NR-U in the SON/MDT framework Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208243](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208243.zip) On mobile IAB deployment and interference mitigation Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_mobile\_IAB-Core

[R2-2208244](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208244.zip) Impact of SNPN on MDT and MRO Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208245](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208245.zip) RACH report related enhancements and Fast MCG recovery optimizations Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208246](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208246.zip) MRO enhancements for NR-U Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208285](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208285.zip) SON aspects for fast MCG recovery Sharp discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208433](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208433.zip) SONMDT enhancement for fast MCG recovery and RACH report CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208434.zip) Discussion on Successful PSCell change report CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208435](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208435.zip) SON MDT enhancement for CPA and CPC CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208543](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208543.zip) Consideration on miscellaneous issues on SON aspects ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208544](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208544.zip) Consideration on miscellaneous issues on MDT aspects ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208572](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208572.zip) SON/MDT enhancements for dual connectivity scenarios Samsung R&D Institute India discussion

[R2-2208584](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208584.zip) Discussion on Miscellaneous SON MDT enhancements Xiaomi discussion Rel-18

[R2-2208603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208603.zip) Various SON/MDT Enhancements Samsung R&D Institute India discussion

[R2-2208661](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208661.zip) Discussion on UE RACH report enhancements China Telecom discussion

### 8.13.4 Other

E.g. Support of signaling based logged MDT override protection to address the scenario where the signaling based MDT is configured in E-UTRAN when [RAN2, RAN3]: UE reselects to NR while logged measurements are collected, UE reselects to NR after logged measurements are collected and before uploading the logged MDT report.

[R2-2207479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207479.zip) Consideration on Inter-RAT Signaling Based Logged MDT Override Protection CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2207480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207480.zip) Considerations on the signaling based logged MDT override protection for E-UTRAN Beijing Xiaomi Software Tech discussion Rel-18

[R2-2207957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207957.zip) Discussion on the inter-system signalling based MDT override protection Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208161](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208161.zip) Signalling based logged MDT override protection Qualcomm Incorporated discussion Rel-18

[R2-2208179](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208179.zip) inter-RAT signalling based logged MDT protection Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

[R2-2208247](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208247.zip) Signalling based logged MDT override protection in Rel-18 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2208535 Inter-RAT signaling based logged MDT override protection Samsung R&D Institute India discussion Withdrawn

[R2-2208536](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208536.zip) Inter-RAT signaling based logged MDT override protection Samsung R&D Institute India discussion

[R2-2208545](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208545.zip) Consideration on Signalling based MDT protection ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

## 8.14 Enhancement on NR QoE management and optimizations for diverse services

(NR\_QoE\_enh-Core; leading WG: RAN3; REL-18; WID: [RP-221803](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221803.zip))

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.14.1 Organizational

Including LSs and any rapporteur inputs (e.g. work plan

[R2-2208619](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208619.zip) Work Plan for Rel-18 NR QoE Enhancement China Unicom Work Plan Rel-18 NR\_QoE\_enh

### 8.14.2 QoE measurements in RRC\_IDLE INACTIVE

including discussion on QoE measurements for RRC\_IDLE/INACTIVE for MBS broadcast services.

[R2-2207026](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_119-e\\Docs\\R2-2207026.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207026.zip) QoE measurement collection for IDLE and Inactive state Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2207427](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207427.zip) IDLE/INACTIVE Mode QoE Measurements and Reporting Apple discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207532.zip) Considerations on QoE measurements in RRC\_IDLE and RRC\_INACTIVE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207725](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207725.zip) Discussion on QoE for MBS Ericsson discussion Rel-17 NR\_QoE\_enh-Core

[R2-2207822](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207822.zip) Discussion on MBS broadcast services CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207992.zip) QoE measurements for MBS broadcast services Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208248](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208248.zip) QMC enhancements for NR MBS Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208391](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208391.zip) QoE measurement in RRC\_IDLE and RRC\_INACTIVE Samsung discussion Rel-18

[R2-2208423](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208423.zip) Discussion on QoE measurement in RRC\_IDLE and RRC\_INACTIVE CMCC discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208615.zip) Discussion on Rel-18 QoE measurement ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208622](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208622.zip) Discussion on MBS configuration and reporting for NR QoE in Rel-18 China Unicom discussion Rel-18 NR\_QoE\_enh

### 8.14.3 Rel-17 leftover topics for QoE

Including discussion on Rel-17 leftover topics: Whether/how RRC should support per-slice QoE measurement configuration, RAN-visible QoE aspects, or QoE reporting for overload scenario?

[R2-2207027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207027.zip) Discussion on Rel-17 leftover issues Qualcomm Incorporated discussion NR\_QoE\_enh-Core

[R2-2207428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207428.zip) Views on Potential Enhancements of Existing QoE Features Apple discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207533](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207533.zip) Discussion on Rel-17 leftover features for QoE Lenovo discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207724](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207724.zip) Discussion on rel-17 leftovers Ericsson discussion Rel-17 NR\_QoE\_enh-Core

[R2-2207823](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207823.zip) Discussion on Rel-17 leftover issues for QoE CATT discussion Rel-18 NR\_QoE\_enh-Core

[R2-2207993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207993.zip) Support of left-over features from Rel-17 Huawei, HiSilicon discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208249.zip) QMC enhancements for RAN overload Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_QoE\_enh-Core

[R2-2208392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208392.zip) Timing information of measured samples Samsung discussion Rel-18

[R2-2208616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208616.zip) Discussion on Rel-17 leftover issues for QoE ZTE Corporation, Sanechips discussion Rel-18 NR\_QoE\_enh-Core

### 8.14.4 Other topics

Including any other QoE enhancement discussion (e.g. service type aspects, QoE in NR-DC, QoE continuity).

NOTE: This agenda item will not be treated in this meeting.

[R2-2208613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208613.zip) Recommended bitrate for XR services MediaTek Beijing Inc. discussion Rel-18

[R2-2208629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208629.zip) On RAN visible QoE parameters for new services China Telecom discussion

## 8.15 R18 Other

Misc Impacts from Other RAN WGs and TSGs (incl MC Enhancements). LS ins for Rel-18 topics that has no RAN WI.

Time budget: 0.5 TU

Tdoc Limitation: -

LS in

[R2-2206962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206962.zip) LS on Rel-18 WI related to vehicular distributed antenna systems (S-220026; contact: LGE) S4SEM LS in Rel-18 To:RAN1 Cc:RAN, RAN2, RAN4

Chair: RAN2 is CCed. Proposed Noted [000]

Redcap

Offline first

* [AT119-e][024][NR18] FS\_REDCAP\_Ph2 option feasibility (Ericsson)

Scope: Treat [R2-2206967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206967.zip), [R2-2208568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208568.zip), [R2-2207623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207623.zip). Identify the points that require RAN2 reply, and identify agreeable or possible/tentative replies. Pave the way for online agreements.

Intended outcome: Report, Draft LS out.

Deadline: Ready for online CB W2 friday

[R2-2206967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206967.zip) LS On FS\_REDCAP\_Ph2 option feasibility (S2-2204989; contact: Ericsson) SA2 LS in Rel-18 FS\_REDCAP\_Ph2 To:RAN3, RAN2 Cc:CT4, CT1

[R2-2208568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208568.zip) Discussion on solutions for eDRX cycle beyond 10.24s for RedCap ZTE Corporation, Sanechips discussion Rel-18 FS\_NR\_redcap\_enh

[R2-2207623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207623.zip) Discussion on the SA2 LS “FS\_REDCAP\_Ph2 option feasibility” for RRC\_INACTIVE eDRX Huawei, HiSilicon discussion Rel-18

Protection of SI

Offline First (modifed)

* [AT119-e][025][NR18] Protection of SI (Samsung)

Scope: Ph1: Treat R2-2206976, R2-2207028, R2-2208460, R2-2208482, R2-2208625, Collect Comments, determine possible agreements and discussion points, progress the LS accordingly

Ph2: Take into account online progress, agree reply LS out.

Intended outcome: Ph1 Report, Draft LS out. Ph2 Approved LS

Deadline: Ph2 EOM (offline only)

R2-2208959 [AT119-e][025][NR18] Protection of SI (Samsung) Samsung

General

- Ericsson is missing a general discussion on what is best for RAN2. Proposes an alternative approach, not new SIB and not add in existing SIB, think there are alternative approaches, e.g. SI messages.

- HW think right now we just need to reply, P1-P3 sufficient, but also support P4.

P123

- vivo has issue with P1. Think that from R2 point of view we have segmentation as well.

- OPPO has concerns on P2. Is R2 really ready to introduce a new SIB? More proper to say that RAN2 need to study. Samsung think we just reply to the questions.

- Intel think that in the middle of P2, it is stated that a separate SIB is preferred .. we should remove this part. Leonovo agrees.

P4

- VDF: Last bullet need clarification, not clear what changes and not clear the last part. Samsung think there will be a validity time. VDF think then we should ask about this explicitly. Ericsson think that if SIB info is updated then sec info is updated.

- LG wonder whether we need to ask these questions. Wonder about the intention about these question. If asked then we should also explain why R2 is interested.

- QC think we should try to understand the SA3 solution better and ok to look at other solution, but try to understand.

- 2nd bullet: HW think this is too high level, can be considered the same as bullet 3.

- vivo think P4 is useful, but agree with LG and think there should be more explanation.

- MTK think P4 is important, we should not give the impression to SA3 that they can just go ahead. Think the general message that we don’t see a show stopper, but we need more info to determine R2 impact.

- TMO think there are performance impacts to evaluate as well

* Add: RAN2 expects to evaluate solutions, evaluate impacts to RRC and related performance aspects, and settle the signaling.
* Response to Q1: The physical layer imposes a limit to the maximum size a SIB can take. The maximum SIB1 or SI message, which can carry multiple SIBs, size is 2976 bits. Actual size of the existing SIBs can vary widely with configurations/deployments. SIB’s content may also evolve in the future e.g. with addition of new fields in future releases. Therefore, the available size varies per each SIB and there is no definite answer on available bytes in existing SIBs to carry security information. Currently, SIB segmentation feature is applicable to some of the SIBs and can enable larger message size (e.g. 2976 bits x 64 segments), but that may come with low performance.
* Response to Q2: RAN2 may need to define a new SIB available on demand. The new SIB could carry up to 2976 bits. It is RAN2 understanding that proposed enhancements would not be applicable to the legacy UE. At the same time, introduction/addition of security information to existing SIBs might make it difficult to introduce/deploy new features in the future.
* Response to Q3: The existing SI framework schedules SIBs by mapping SIB(s) to SI message(s). The new SIB can be mapped to a separate SI message or can be mapped together with other SIB(s) in an SI message. The existing SI framework supports flexible scheduling periodicities (which can be 80/160/320/640/1280/2560/5120 ms) for an SI message. A specific periodicity for an SI message carrying the new SIB can be selected by the network configuration. Further, network can decide when to start/stop broadcasting of the SIB by implementation. RAN2 would need a more detailed understanding of the proposed designs to form a view on what scheduling configuration would be feasible.
* RAN2 asks SA3 to provide the following information on the requirements of the security information to be broadcast

Size of the security information or feasible ranges for the size

Latency requirements for the delivery of the security information

How often and for how long the new information is expected to be sent

Whether all SI information or some part need to be protected

Whether the security information should be updated whenever any of the SIB contents change

Whether the UE should re-acquire the security information whenever it changes as well as all other SIBs

Chair: Use the above agreements for the Reply LS, Can work on the wording of the last bullet offline. Continue in [025], offline only (offline LS approval),

[R2-2206976](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206976.zip) LS out on authenticity and replay protection of system information (S3-221700; contact: CableLabs) SA3 LS in To:RAN2

Moved from 3

* Noted

[R2-2207028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207028.zip) Draft Reply LS on authenticity and replay protection of system information Samsung LS out Rel-18 To:SA3

[R2-2208460](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208460.zip) Protection of system information vivo discussion Rel-18

[R2-2208482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208482.zip) Discussion on authenticity and replay protection of system information(SA3 LS) Huawei, HiSilicon discussion Rel-17 FS\_5GFBS

Moved from 6.24.3

[R2-2208625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208625.zip) Discussion on system information security Ericsson discussion Rel-18

MCE – UL TX switching

Offline first

* [AT119-e][026][NR18] UL Tx Switching (NTT Docomo)

Scope: This is an initial discussion. It may be difficult to make firm agreements, but it may be possible to converge on initial assumptions, possibilities on the table. Take into account [R2-2208327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208327.zip), [R2-2208324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208324.zip), [R2-2208107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208107.zip), [R2-2208481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208481.zip), Identify on a high level the main RAN2 impacts for the UL Tx switching schemes across up to 3 or 4 bands. Identify discussion points for future meetings, including UE capability and RRC configuration related signaling (Note: strive for RAN1/2 design agnostic with the number of bands, i.e., common design between 3 and 4 bands).

Intended outcome: Report

Deadline: Ready for online CB W2 Tuesday

CLOSED

R2-2208936 Summary of [AT119-e][026][NR18] UL Tx Switching (NTT Docomo) NTT DOCOMO Inc.

DISCUSSION

- Nokia think that on P1, what does it mean, use same list, or use the capabilities. Docomo think the list would be used and also think capabilities can/may be reused. Nokia think the capabilities cannot be re-used, this is just a baseline. Ericsson agrees we attempt to reuse at least the list, and maybe even capabilities. Huawei agrees as well, will attempt to reuse but need to wait for other progress.

Chair: Good discussion, can keep the proposals as is, they are just baseline assumptions.

* As a baseline, RAN2 reuse Rel-16/17 UL Tx switching band combination list (i.e. *BandCombinationList-UplinkTxSwitch-r16*) for Rel-18 UL Tx switching capability reporting.
* As a baseline, uplink bands for Rel-18 UL Tx switching are configured as in legacy way, i.e. by *UplinkConfig*.
* RAN2 waits for RAN1/4 input and then addresses the potential issues according to RAN1/4 indication, e.g.:

– whether the switching period is configured per band pair or per band combination on UE capability reporting.

– whether the switching option (i.e. switchedUL or dualUL) is configured per band pair or per band combination on UE capability reporting.

– how RRC configures a period location for each band pair within three or four bands on RRC configuration.

– how to configure a state of Tx chains after the UL Tx switching is not unique in Rel-18 framework on RRC configuration.

[R2-2208327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208327.zip) Work plan for Multi-carrier enhancements NTT DOCOMO INC. Work Plan Rel-18

[R2-2208324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208324.zip) Potential issues on UL Tx switching schemes across up to 3 or 4 bands NTT DOCOMO INC. discussion Rel-18

[R2-2208107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208107.zip) Consideration on Rel-18 UL Tx switching capability ZTE Corporation, Sanechips discussion Rel-18 NR\_MC\_enh-Core

[R2-2208481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208481.zip) RAN2 impact to support Rel-18 UL Tx switching enhancements Huawei, HiSilicon discussion Rel-18 NR\_MC\_enh-Core

Low Latency

This topic is handled by UP breakout session (Diana)

[R2-2206963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2206963.zip) LS on RAN feedback for low latency (S2-2201767; contact: Huawei) SA2 LS in Rel-18 FS\_5TRS\_URLLC To:RAN2 Cc:RAN1, RAN3

[R2-2208134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208134.zip) Discussion on RAN feedback for low latency Ericsson discussion Rel-18

[R2-2208007](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208007.zip) Proposed response to SA2 LS R2-2203930 on low latency Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_5TRS\_URLLC

Moved from 3

[R2-2207043](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207043.zip) Draft reply LS on RAN feedback for low latency Qualcomm Incorporated discussion Rel-18 FS\_NR\_XR\_enh

*Moved from 8.5.1*

[R2-2207768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207768.zip) Consideration on meeting very low latency requirement in TDD ZTE Corporation, Sanechips, China Southern Power Grid Co., Ltd discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core R2-2205732

Moved from 6.5.1

[R2-2207775](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207775.zip) [DRAFT] Reply LS on RAN feedback for low latency ZTE Corporation, Sanechips LS out Rel-17 NR\_IIOT\_URLLC\_enh-Core R2-2205734 To:SA2 Cc:RAN3

Moved from 6.5.1

Positioning for Remote UEs

This Topic is handled by the Positioning breakout Session (Nathan), postponed at this meeting

[R2-2208314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208314.zip) Positioning support for remote UEs MediaTek Inc., CATT, Huawei, HiSilicon discussion Rel-18 TEI18 [R2-2207287](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207287.zip)

[R2-2208315](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208315.zip) Downlink positioning support and posSIB request for L2 UE-to-network remote UE MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 38.331 17.1.0 3245 1 C TEI18 [R2-2207288](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207288.zip)

[R2-2208317](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208317.zip) Indication to LMF of operation as a L2 UE-to-network remote UE MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 37.355 17.1.0 0357 1 C TEI18 [R2-2207289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207289.zip)

[R2-2208319](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208319.zip) Positioning method support for L2 UE-to-network remote UE MediaTek Inc., CATT, Huawei, HiSilicon CR Rel-18 38.305 17.1.0 0104 1 C TEI18 [R2-2207290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207290.zip)

Sense

Await LS

[R2-2208490](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208490.zip) Discussion on RAN Aspects of Signal Level Enhanced Network Selection Huawei, HiSilicon discussion Rel-18

New RAN2 initiated TEI

Postpone

[R2-2208216](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2208216.zip) CFRA resources for Conditional Handover Nokia, Nokia Shanghai Bell discussion Rel-18

Withdrawn or revised

[R2-2207287](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207287.zip) Positioning support for remote UEs MediaTek Inc., CATT discussion Rel-18 TEI18 Revised

[R2-2207288](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207288.zip) Downlink positioning support and posSIB request for L2 UE-to-network remote UE MediaTek Inc., CATT CR Rel-18 38.331 17.1.0 3245 - C TEI18 Revised

[R2-2207167](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207167.zip) CR on 38331 for SFN-DFN offset and PosSIB request MediaTek Inc. CR Rel-17 38.331 17.1.0 3226 - B TEI18

=> Withdrawn

[R2-2207168](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207168.zip) Positioning support for remote UEs MediaTek Inc. discussion Rel-18 TEI18

=> Withdrawn

[R2-2207289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207289.zip) Indication to LMF of operation as a L2 UE-to-network remote UE MediaTek Inc., CATT CR Rel-18 37.355 17.1.0 0357 - C TEI18 Revised

[R2-2207290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_119-e\Docs\R2-2207290.zip) Positioning method support for L2 UE-to-network remote UE MediaTek Inc., CATT CR Rel-18 38.305 17.1.0 0104 - C TEI18 Revised

# 9Breakout session reports

No documents shall be submitted to this AI or its sub-AIs. It is only for at-meeting-generated contents.

Breakout session reports will be approved by email.

## 9.1 Session on NTN, IoT NTN, RedCap and CE

R2-2208701 Report from Break-Out Session on NTN, IoT NTN, RedCap and CE Vice Chairman (ZTE) Report

## 9.2 Session on LTE legacy, 71 GHz, DCCA, Multi-SIM, RAN slicing, QoE and XR

R2-2208702 Report from session on LTE legacy, 71 GHz, DCCA, Multi-SIM, RAN slicing, QoE and XR Vice Chairman (Nokia) Report

## 9.3 Session on UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV

R2-2208703 Report from UP, Small data, URLLC/IIoT, RACH indication, NWES and UAV Session chair (InterDigital) Report

## 9.4 Session on positioning and sidelink relay

R2-2208704 Report from session on positioning and sidelink relay Session chair (MediaTek) Report

## 9.5 Session on LTE V2X and NR SL

R2-2208705 Report from session on LTE V2X and NR SL Session chair (Samsung) Report

## 9.6 Session on SON/MDT

R2-2208706 Report from SON/MDT session Session chair (CMCC) Report

## 9.7 Session on MBS

R2-2208707 Report from MBS breakout session Session chair (Huawei) Report

## 9.8 Session on IDC

R2-2208708 Report from IDC breakout session Session chair (Intel) Report

## 9.9 Session on NC Repeater

R2-2208709 Report from NC Repeater breakout session Session chair (Apple) Report