3GPP TSG-RAN WG2 Meeting #118 electronic R2-2xxxxxx

Online, May, 2022

Source: RAN2 Chairman (MediaTek)

Title: Skeleton Notes

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

Discussions with Deadline **Schedule 1**:

A **first round** with **Deadline for comments W1 Thursd May 12th 1200 UTC** to settle scope what is agreeable etc

A Final round with **Final deadline W2 Wednesd May 18th 1200 UTC** to settle details / agree CRs etc.

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.

* [AT118-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] – [012] were used for Pre-discussions.

* [AT118-e][013][NR1516] Stage-2 (ZTE)

Scope: Treat [R2-2205923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205923.zip), [R2-2205924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205924.zip), [R2-2206110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206110.zip), [R2-2206111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206111.zip), [R2-2205978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205978.zip), [R2-2205979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205979.zip), [R2-2205990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205990.zip)  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][014][NR1516] User Plane (Samsung)

Scope: Treat [R2-2204755](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204755.zip), [R2-2204756](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204756.zip), [R2-2204757](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204757.zip), [R2-2205682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205682.zip), [R2-2205717](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205717.zip), [R2-2205718](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205718.zip), [R2-2205715](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205715.zip), [R2-2205716](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205716.zip),  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][015][NR1516] p-MaxEutra and p-NR-FR1 (Huawei)

Scope: Treat [R2-2204411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204411.zip), [R2-2204648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204648.zip), [R2-2204453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204453.zip), [R2-2205404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205404.zip), [R2-2205513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205513.zip), [R2-2204649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204649.zip)

Ph1 Determine agreeable parts, Ph2 approve reply LS (offline, CB online only if necessary).

Intended outcome: Report, Approved LS out

Deadline: Schedule 1

* [AT118-e][016][NR1516] Connection Control I (Ericsson)

Scope: Treat [R2-2205965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205965.zip), [R2-2205966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205966.zip), [R2-2205967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205867.zip), [R2-2205406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205406.zip), [R2-2205407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205407.zip), [R2-2205868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205868.zip), [R2-2205614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205614.zip), [R2-2205586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205586.zip), [R2-2205599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205599.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][017][NR1516] Connection Control II (Huawei)

Scope: Treat [R2-2204920](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204920.zip), [R2-2204921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204921.zip), [R2-2206145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206145.zip), [R2-2206146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206146.zip), [R2-2204917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204917.zip), [R2-2204918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204918.zip), [R2-2204919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204919.zip), [R2-2205251](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205251.zip), [R2-2205252](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205252.zip), [R2-2205617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205617.zip), [R2-2205624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205624.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][018][NR1516] RRM and measurements (Apple)

Scope: Treat [R2-2204483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204483.zip), [R2-2205678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205678.zip), [R2-2206093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206093.zip), [R2-2205294](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205294.zip), [R2-2205295](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205295.zip), [R2-2205296](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205296.zip), [R2-2205297](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205297.zip), [R2-2205313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205213.zip), [R2-2205314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205214.zip), [R2-2204611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204611.zip), [R2-2204612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204612.zip), [R2-2204613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204613.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][019][NR1516] CP Miscellanous (vivo)

Scope: Treat [R2-2204902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204902.zip), [R2-2205428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205428.zip), [R2-2205429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205429.zip), [R2-2204845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204845.zip), [R2-2204846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204846.zip), [R2-2205827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205827.zip), [R2-2204728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204728.zip), [R2-2204729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204729.zip), [R2-2204845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204845.zip), [R2-2204846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204846.zip), [R2-2205827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205827.zip), [R2-2204728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204728.zip), [R2-2204729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204729.zip), [R2-2205503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205503.zip), [R2-2205504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205504.zip), [R2-2205298](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205298.zip), [R2-2205299](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205299.zip), [R2-2205300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205300.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][020][NR1516] UE capabilities I (NTT DOCOMO)

Scope: Treat [R2-2205118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205118.zip), [R2-2205119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205119.zip), [R2-2205121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205121.zip), [R2-2204472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204472.zip), [R2-2206063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206063.zip), [R2-2206064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206064.zip), [R2-2204419](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204419.zip), [R2-2204840](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204840.zip), [R2-2204841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204841.zip), [R2-2205451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205451.zip), [R2-2205452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205452.zip), [R2-2206000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206000.zip), [R2-2206001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206001.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][021][NR1516] UE capabilities II (Huawei)

Scope: Treat [R2-2206002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206002.zip), [R2-2204485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204485.zip), [R2-2205558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205558.zip), [R2-2205559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205559.zip), [R2-2205560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205560.zip), [R2-2205561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205561.zip), [R2-2205453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205453.zip), [R2-2205556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205556.zip), [R2-2205557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205557.zip), [R2-2205984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205984.zip), [R2-2205985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205985.zip),

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][022][NR1516] Idle/Inactive mode (Qualcomm)

Scope: Treat [R2-2205946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205946.zip), [R2-2205945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205945.zip) R2-2204482, R2-2204826, R2-2205476, R2-2205742, R2-2205743

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][023][NR17] RRC I (Ericsson)

Scope: Treat R2-2206084, R2-2206985. Take into account also other agreements that should be captured in the Rapporteur CR. Treat R2-2205969, R2-2205970, R2-2205971 to the extent needed to progress the CR. Take into account other meeting agreements to be captured in the Rapporteur general CR.

Intended outcome: initial endorsement of submitted CR, in the end agreed CR including updates for meeting agreements. Report.

Deadline: Rapporteur set

* [AT118-e][024][NR17] RRC II (Nokia)

Scope: Treat [R2-2205434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205434.zip).

Intended outcome: Report, agreeable TPs for merge with rapporteur CR.

Deadline: Rapporteur Set

* [AT118-e][025][NR17] RRC issues (Huawei)

Scope: Treat [R2-2205397](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205397.zip), [R2-2205196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205196.zip), [R2-2205684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205684.zip), [R2-2206131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206131.zip), [R2-2205015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205015.zip). Determine agreeable parts, for agreeable parts make agreeable TPs for merge with Rapporteur CR. If modifications from [R2-2205015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205015.zip) are needed also for Rel-16, this need to be a separate CR.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR, agreeable CR(s) if applicable.

Deadline: Schedule 1

* [AT118-e][026][NR17] UE caps main (Intel)

Scope: Treat [R2-2204838](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204838.zip), [R2-2204839](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204839.zip), R2-2005657, R2-2005658. Treat incoming LSes. Merge agreed WI specific draft CRs.

Intended outcome: In the end agreed Mega CRs, Intermediate outcomes spec by Rapporteur.

Deadline: Rapporteur

* [AT118-e][027][NR17] Gap Coordination (MediaTek)

Scope: Treat [R2-2205290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205290.zip), [R2-2205768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205768.zip), [R2-2206011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206011.zip) and other relevant input if any.

Intended outcome: Report (expect to progress TPs W2 if applicable).

Deadline: W1 Friday (online CB W2 Monday if needed).

* [AT118-e][028][NR17] Priority of MAC CEs (LGE)

Scope: Treat [R2-2204887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204887.zip), [R2-2205261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205261.zip), [R2-2206038](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206038.zip). Ph1 Determine agreeable parts. Ph2 For agreeable parts progress and agree a CR.

Intended outcome: Report, Agreed CR (if applicable)

Deadline: Schedule 1 (CB W2 if needed)

* [AT118-e][029][MBS] CP Broadcast (Huawei)

Scope: Treat [R2-2204604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204604.zip), [R2-2204605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204605.zip), [R2-2205112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205112.zip), [R2-2205462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205462.zip), [R2-2205747](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205747.zip), [R2-2206091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206091.zip), [R2-2206108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206108.zip), [R2-2204608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204608.zip), [R2-2204682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204682.zip), [R2-2205174](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205174.zip), [R2-2205215](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205215.zip), [R2-2205671](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205671.zip), [R2-2204607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204607.zip), [R2-2204606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204606.zip), [R2-2204829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204829.zip), [R2-2205539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205539.zip), [R2-2205744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205744.zip), [R2-2205458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205458.zip), [R2-2204681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204681.zip), [R2-2205111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205111.zip), [R2-2206159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206159.zip), [R2-2206122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206122.zip), [R2-2205712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205712.zip),

1. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), After on-line: 2.1 LS to RAN1 acc to on-line agreements, 2.2 Agree offline agreeable parts of remaining proposals.

Intended outcome: Report, approved LS out.

Deadline: For online CB W1 Friday, W2 Thursday

* [AT118-e][030][MBS] CP other (CATT)

Scope: Treat [R2-2204669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204669.zip), [R2-2204827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204827.zip), [R2-2205749](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205749.zip), [R2-2204670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204670.zip), [R2-2204828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204828.zip), [R2-2205249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205249.zip), [R2-2205632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205632.zip), [R2-2206123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206123.zip), [R2-2205626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205626.zip), [R2-2206124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206124.zip), [R2-2204830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204830.zip), [R2-2205627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205627.zip), [R2-2204668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204668.zip), [R2-2205745](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205745.zip)

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

* [AT118-e][031][MBS] MAC (OPPO)

Scope: Treat [R2-2205483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205483.zip), [R2-2205129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205129.zip), [R2-2205122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205122.zip), [R2-2204609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204609.zip), [R2-2204833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204833.zip), [R2-2205457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205457.zip), [R2-2205218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205218.zip), [R2-2205437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205437.zip), [R2-2205447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205447.zip), [R2-2205540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205540.zip), [R2-2204667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204667.zip), [R2-2204744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204744.zip), [R2-2204832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204832.zip), [R2-2204969](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204969.zip), [R2-2205156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205156.zip), [R2-2205449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205449.zip), [R2-2205035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205035.zip), [R2-2205154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205154.zip), [R2-2205480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205480.zip), [R2-2204831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204831.zip), [R2-2204834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204834.zip), [R2-2204891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204891.zip), [R2-2204904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204904.zip), [R2-2204905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204905.zip), [R2-2205628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205628.zip), [R2-2205629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205629.zip), [R2-2205673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205673.zip), [R2-2205709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205709.zip), [R2-2205713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205713.zip), [R2-2205128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205128.zip), [R2-2205481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205481.zip), [R2-2205748](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205748.zip)

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), Part 2, Capture agreements and finalize CR.

Intended outcome: Report, Part 2: CR (agreed) Offline

Deadline: For online CB W1 Friday, CR EOM (ext to post meeting disc if needed).

* [AT118-e][032][MBS] PDCP (Xiaomi)

Scope: part 1 Treat [R2-2204626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204626.zip), [R2-2204683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204683.zip), [R2-2204906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204906.zip), [R2-2205714](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205714.zip), [R2-2205630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205630.zip), [R2-2205479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205479.zip), [R2-2205155](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205155.zip), [R2-2205454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205454.zip), Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), part 2 progress CR including Rapporteur Resolutions (R2-2205455), corrections and including agreements from current meeting (can be phased)

Intended outcome: part 1 Report, Part 2 CR

Deadline: part1 CB W1 Thu, part 2 Deadlines set by rapporteur, Final review can be by post meeting disc

* [AT118-e][033][MBS] UE capabilites (MediaTek)

Scope: Part 1 Treat [R2-2204625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204625.zip), [R2-2204907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204907.zip), [R2-2205541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205541.zip), [R2-2205746](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205746.zip), [R2-2205750](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205750.zip), [R2-2205855](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205855.zip), [R2-2205939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205939.zip), [R2-2206114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206114.zip). Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), Part 2, draft CRs (for merge w mega CRs)

Intended outcome: Report, endorsed Draft CRs (for merge)

Deadline: Part 1 CB W1 Thu, CB W2 Tue, Part 2: EOM (no post disc)

* [AT118-e][034][MBS] Other (ZTE)

Scope: Treat [R2-2205625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205625.zip), [R2-2205672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205672.zip), [R2-2205482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205482.zip), [R2-2205631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205631.zip), [R2-2205484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205484.zip), [R2-2205456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205456.zip).

1 Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), 2: Agree agreeable points offline

Intended outcome: Report

Deadline: W2 Wednesday

* [AT118-e][035][eNPN] Corrections (Nokia)

Scope: Treat all tdocs under 6.16. ph1 determine agreeable parts. Ph2 agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][036][TEI17] CHO with SCG (CATT)

Scope: Treat [R2-2204494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204494.zip), [R2-2204935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204935.zip), [R2-2205282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205282.zip), [R2-2205472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205472.zip), [R2-2205473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205473.zip), [R2-2205474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205474.zip), [R2-2205475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205475.zip), [R2-2205532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205532.zip), [R2-2206004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206004.zip), [R2-2206005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206005.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

* [AT118-e][037][NR17] TEI corrections (ZTE)

Scope: Treat [R2-2205647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205647.zip), [R2-2205417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205417.zip), [R2-2205418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205418.zip), [R2-2205563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205563.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

* [AT118-e][038][UDC] UDC Corrections (CATT)

Scope: Treat [R2-2204492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204492.zip), [R2-2205071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205071.zip), [R2-2205719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205719.zip), [R2-2206096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206096.zip), [R2-2206148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206148.zip), [R2-2206149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206149.zip). Ph1 Determine agreeable part, Ph2 for agreeable parts agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1 (if needed CB online W2)

* [AT118-e][039][NR17] n77 Canada (Nokia)

Scope: Treat [R2-2204459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204459.zip), [R2-2205393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205393.zip), [R2-2205394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205394.zip), [R2-2205395](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205395.zip), [R2-2205396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205396.zip), [R2-2205450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205450.zip), Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][040][NR17] PUCCH Group (Huawei)

Scope: Treat [R2-2204443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204443.zip), [R2-2205980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205980.zip), [R2-2205981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205981.zip), [R2-2205982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205982.zip), [R2-2205983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205983.zip), [R2-2204601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204601.zip), [R2-2204600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204600.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][041][NR17] FR2 UL gap (Apple)

Scope: Treat [R2-2205666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205666.zip), [R2-2204507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204507.zip), [R2-2205659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205659.zip), [R2-2205667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205667.zip), [R2-2205392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205392.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][042][NR17] FR2 CA BW Classes and CBM/IBM (Nokia)

Scope: Treat [R2-2204854](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204854.zip), [R2-2205562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205562.zip), [R2-2204850](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204850.zip), [R2-2204851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204851.zip), [R2-2204889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204889.zip), [R2-2204890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204890.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][043][NR17] CRS interference mitigation (China Telecom)

Scope: Treat [R2-2204489](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204489.zip), [R2-2204980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204980.zip), [R2-2204981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204981.zip), [R2-2204982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204982.zip), [R2-2205388](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205388.zip), [R2-2205389](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205389.zip), [R2-2205390](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205390.zip), [R2-2205391](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205391.zip),

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][044][NR17] Dual PA (OPPO)

Scope: Treat [R2-2204501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204501.zip), [R2-2204629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204629.zip), [R2-2204630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204630.zip), [R2-2204631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204631.zip), [R2-2205380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205380.zip), [R2-2205381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205381.zip), [R2-2205382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205382.zip), [R2-2205383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205383.zip), [R2-2205384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205384.zip), [R2-2205516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205516.zip), [R2-2205514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205514.zip), [R2-2205515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205515.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][045][NR17] DC Location Report (Qualcomm)

Scope: Treat [R2-2204506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204506.zip), [R2-2205266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205266.zip), [R2-2205386](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205386.zip), [R2-2205387](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205387.zip), [R2-2205735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205735.zip), [R2-2205517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205517.zip), [R2-2205518](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205518.zip),

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][046][NR17] n77 and DSS (Ericsson)

Scope: Treat [R2-2205871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205871.zip) - [R2-2205875](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205875.zip), [R2-2205511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205511.zip).

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][047][NR17] MINT (Ericsson)

Scope: Treat [R2-2204510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204510.zip), [R2-2204527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204527.zip), [R2-2204529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204529.zip), [R2-2205869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205869.zip), [R2-2205520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205520.zip), [R2-2205618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205618.zip), [R2-2205867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205867.zip), [R2-2205868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205868.zip), [R2-2205992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205992.zip), [R2-2205993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205993.zip), [R2-2206049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206049.zip), [R2-2206050](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206050.zip). Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

* [AT118-e][048][IOTNTN] New Issues (OPPO)

Scope: Treat [R2-2204740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204740.zip), [R2-2205725](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205725.zip), [R2-2204741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204741.zip).

Ph1 determine agreeable part, Ph2 endorse TP

Intended outcome: Report, Endorsed TP (if applicable)

Deadline: Schedule 1 (CB online W2 if needed)

* [AT118-e][049][IoTNTN] User Plane (Interdigital)

Scope: Treat [R2-2205161](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205161.zip), [R2-2205328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205328.zip), [R2-2205724](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205724.zip), [R2-2205959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205959.zip), [R2-2205996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205996.zip)

Ph1 Determine agreeable parts, for Agreeable parts endorse TP/Draft CR.

Intended outcome: Report, Endorsed TP(s).

Deadline: Schedule 1 (CB online W2 if needed)

* [AT118-e][050][IoTNTN] RRC Miscellaneous (ZTE)

Scope: Treat R2-2204712, R2-2205140, R2-2205145, R2-2205595, [R2-2205146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205146.zip), [R2-2205330](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205330.zip), [R2-2205830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205830.zip), [R2-2204652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204652.zip), [R2-2205329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205329.zip), [R2-2204654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204654.zip),

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline CB online W2 TUE (settle as many points as possible offline).

* [AT118-e][051][IoT NTN] Idle Inactive Mode (Ericsson)

Scope: Treat [R2-2204711](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204711.zip), [R2-2205250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205250.zip), [R2-2205331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205331.zip), [R2-2205861](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205861.zip), [R2-2204651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204651.zip)

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

ADDED W1 MONDAY

UPDATED: [016], [018], [050]

* [AT118-e][052][feMIMO] SRS TCI state (OPPO)

Scope: Ref discussion on R2-2206348 “(on P1) LS to RAN1, ask what the intentions are, ask if only RRC update would be useful or sufficient, request immediate reply. Can also ask for more details to shorten the subsequent R2 discussion”, gather comments and progress a draft LS out.

Intended outcome: Agreeable Draft LS

Deadline: CB online May 10

CLOSED

* [AT118-e][053][feMIMO] PCI in TCI state (Ericsson)

Scope: Ref discussion on R2-2206348 “(on P4) continue discussion offline to determine the potential interpretation (or two possible interpretations, one acc to LS one acc to 38.214)”. in case there really is an inconsistency, the result may be a LS to RAN1 asking which specific interpretation is correct.

Deadline: CB online May 10

CLOSED

* [AT118-e][054][feMIMO] N102 N123 Unified TCI state (Nokia)

Scope: See RIL descriptions N102 N123, illustrated in R2-2206332, further discussed in R2-2206348 P7 (in the body, not conclusions). Task to check for consequences, whether / which of the proposed enhancements/changes can work. Also, opportunity for companies to develop opinions, whether the changes actually enhances maintainability, clarity etc.

Intended outcome: Report alt agreeable revision of R2-2206332 alt both alt neither (if nothing seems agreeable).

Deadline: CB online W2 MON (can be extended to W2 WED if needed).

* [AT118-e][055][IOT NTN] Stage-2 CR 36300 (Ericsson)

Scope: In a first phase review proposed rapporteur modifications, e.g. for the RAN1 TP.

Intended outcome: Agreeable draft (agreed CR in the end)

Deadline: Set by Rapporteur (if possible progress offline only).

* [AT118-e][056][IOT NTN] RRC CR 36331 (Huawei)

Scope: For usage by the IoT NTN RRC CR Rapporteur.

Intended outcome: Set by Rapporteur (agreed CR in the end)

Deadline: Set by Rapporteur

* [AT118-e][057][IOT NTN] Discontinuous coverage (Gatehouse)

Scope: 1. Based on Agreements related to R2-2205933, progress further to identify agreeable parts (e.g. determine agreeable further assistance data for better spatial prediction for earth moving beams).

2. Treat R2-2206160, can take into account R2-2205143, R2-2205598, R2-2205238 (see below), determine agreeable parts (and related TPs)

Intended outcome: Report, agreeable parameters definitions (TP)

Deadline: For Online CB W2 Tue

* [AT118-e][058][IOT NTN] GNSS Validity duration report (NEC)

Scope: Settle the value range (identify agreement and discussion points if any), settle other stage-3 details if needed (can consider to do an agreeable TP). Pave the way for swift decision.

Intended outcome: Report

Deadline: For On-line CB W2 Thursday

* [AT118-e][059][MGE] Concurrent MG (MediaTek)

Scope: Based on the on-line agreements progress the related details, Progress remaining issues, and attempt to converge

Intended outcome: Report, TP if needed.

Deadline: for online CB W2 TUE

* [AT118-e][060][MGE] Pre-configured MG (Intel)

Scope: Progress remaining issues and attempt to converge. Treat R2-2205292, R2-2205241, R2-2205378. For Pre-configured Gap and PRS, await Pos session progress (check W2).

Intended outcome: Report with agreements, TP if needed.

Deadline: CB W2 TUE

* [AT118-e][061][MGE] Network Configured Small Gaps (Apple)

Scope: Progress remaining issues and attempt to converge. Treat R2-2204545, R2-2205727, R2-2205692, R2-2206070, R2-2206071.

Intended outcome: Report with agreements, TP if needed.

Deadline: CB W2 TUE

* [AT118-e][062][MGE] UE capabilities (Intel)

Scope: Take online progress into account 1. Progress further details. 2. Draft CRs for merge (or we just use the decisions as input for UE cao Main R17 discussion TBD

Intended outcome: 1 Report, 2 Draft CRs Endorsed for Merge

Deadline: Intermediate: 1 W2 Wed, 2 EOM (no post discussion)

ADDED W1 TUESDAY

* [AT118-e][063][eIAB] Support of requested MAC CEs (Ericsson, Samsung)

Scope: Based on the agreement to Go for a split RRC / MAC CE approach, Find a good solution (good enough) to support MAC CEs requested by RAN1, starting from baseline in R2-2205895, R2-2205896, R2-2205897. Take into account relevant RAN1 progress when available (LSes, R1 meeting decisions).

Intended outcome: Report, TPs. (merged with the RRC and MAC CRs in the end).

Deadline: Set by Rapporteur, Can CB multiple times.

* [AT118-e][064][eIAB] RRC (Ericsson)

Scope: 1. Address the remaining RRC issues from tdocs submitted under AI 6.4 (and below) and RILs (if needed), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the RRC CR, merge all RRC impacts into a single CR (except UE caps).

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

* [AT118-e][065][eIAB] MAC (Samsung)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

* [AT118-e][066][eIAB] BAP (Huawei)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

* [AT118-e][067][eIAB] 38300 (Qualcomm)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed (CB only if needed, attempt offline agreement), 2 CR agreement is expected in Post meeting discussion

* [AT118-e][068][eIAB] 37340 (vivo)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed (CB only if needed, attempt offline agreement), 2 CR agreement is expected in Post meeting discussion

* [AT118-e][069][eIAB] UE caps (Intel)

Scope: Address the corrections / remaining issues from tdocs submitted under AI 6.4.5. 2. Progress UE caps draft CRs (38306, 38331). Identify new impact if any.

Intended outcome: Report (if needed), endorsed draft CRs (for merge with mega CRs

Deadline: CB W2 Wed (if needed), Endorsed Draft CRs ready at EOM

* [AT118-e][070][ePowSav] reply LS on signaling for RLM BFD relaxation (vivo)

Scope: LS out according to agreements for R2-2204803

Intended outcome: Approved LS out (offline only, no CB)

Deadline: W2 Wednesday

* [AT118-e][071][ePowSav] RRC (CATT)

Scope: 1. For TRS/CSI-RS Address remaining issues, from tdocs under 6.9.3.3. not already addressed, Identify agreements, discussion points, etc. 2a. Allow further checking of the RRC Rapporteur resolutions in the RRC CR. 2b. Update the CR acc to meeting agreements

Intended outcome: 1. Report. 2 Agreed CR (in the end)

Deadline: CB W2 Tuesday, CR agreement expected by Post meeting discussion.

* [AT118-e][072][ePowSav] PEI and Subgrouping (Mediatek)

Scope: Address remaining issues, not already addressed by CR rapporteurs, from tdocs under 6.9.3.1. Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc.

Intended outcome: Report

Deadline: for CB W2 Tuesday

* [AT118-e][073][ePowSav] RLM and BFD relaxation (vivo)

Scope: Address remaining issues, from tdocs under 6.9.3.2. not already addressed, e.g. by CR rapporteurs, Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc.

Intended outcome: Report

Deadline: for CB W2 Tuesday

* [AT118-e][074][ePowSav] PDCCH skipping (Samsung)

Scope: Address remaining issues, from tdocs under 6.9.3.3. not already addressed, e.g. by CR rapporteurs, Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc. agreeable LS out, if found needed.

Intended outcome: Report, LS out

Deadline: for CB W2 Tuesday

* [AT118-e][075][feMIMO] BFD Resource Handling (Apple)

Scope: Applies to MAC and RRC. Await info from RAN1. Take into account incoming LSes (or RAN1 decisions) when applicable/available. Address Open issues. Attempt to converge, Identify agreements and discussion points. The discussion should assume that R2 will follow R1 requests.

Intended outcome: Report for CB (maybe multiple revisions, as it may need to be updated multiple times dep on R1 progress).

Deadline: Set by rapporteur, for CB W2 any day (notify Chair).

* [AT118-e][076][feMIMO] RRC (Ericsson)

Scope: 1. Open issues. Take into account progress. Address open issues in submitted tdocs 6.17.3.1 and open RILs. Collect comments, Attempt to converge, identify agreements and discussion points that need online CB. Can take into account incoming LSes when applicable. 2. Progress the RRC CR.

Intended outcome: 1 Report for CB, 2. Agreed CR (in the end).

Deadline: for CB W2 Wed,

* [AT118-e][077][feMIMO] MAC (Samsung)

Scope: 1. Open issues. Take into account progress. Address open issues in submitted tdocs 6.17.3.2. Collect comments, Attempt to converge, identify agreements and discussion points that need online CB. Can take into account incoming LSes when applicable. 2. Progress the MAC CR.

Intended outcome: 1 Report for CB, 2. Agreed CR (in the end).

Deadline: for CB W2 Wed,

ADDED W1 WEDNESDAY

* [AT118-e][078][QoE] RRC (Ericsson)

Scope: Take into account online progress, address offline FFSes non-treated proposals, and open RILs. Consider CR proposals, Review Rapporteur CR resolutions. Determine agreeable parts. Update CR to reflect agreeable part and agree CR. LS out acc to agreement

Consider: R2-2205439, R2-2206119, R2-2206130, R2-2205442, R2-2206129, R2-2205441, R2-2204874, R2-2204875, R2-2205443, R2-2205085, R2-2205087, R2-2205088, R2-2205086

Intended outcome: Report, LS out, Agreed CR (in the end)

Deadline: CB W2 Wed (and/or later), CR can be finally agreed in a post-meeting disc.

* [AT118-e][079][QoE] 38300 (China Unicom)

Scope: Take into account online progress, address offline FFSes and non-treated proposals. Consider CR proposals, Review Rapporteur CR resolutions. Determine agreeable parts. Update CR to reflect agreeable parts and agree CR. Can consider LS out if agreed to be needed.

Consider: R2-2204591, R2-2204848, R2-2204847, R2-2205440, R2-2205943

Intended outcome: Report, Agreed CR (in the end)

Deadline: CB W2 Wed (if needed), CR can be finally agreed in a post-meeting disc.

* [AT118-e][080][QoE] UE capabilities (CMCC)

Scope: Treat R2-2205944, R2-2204849. Determine agreeable parts. Update CR to reflect agreeable part and agree CR.

Intended outcome: Report, Endorsed CR(s) for merge

Deadline: CB W2 Wed (if needed), EOM.

ADDED W1 THURSDAY

[032][033][062] are Modified

ADDED W1 FRIDAY

[029][034] are Modified

ADDED W2 MONDAY

* [AT118-e][081][TEI17] Early Measurements for EPS fallback (vivo)

Scope: Discuss one more round, verify whether there is impact in other group, verify that the impact in RAN2 can be kept reasonable, collect comments on the CR

Intended outcome: Report

Deadline: For CB W2 Friday (CR by Post discussion if applicable)

* [AT118-e][082][TEI17] RRC Segmentation capability for UE capability report (Huawei)

Scope: allow time and discussion to check. Collect comments on the CR solution(s)

Intended outcome: Report

Deadline: CB W2 Friday (CRs by post meeting disc)

* [AT118-e][083][TEI17] Flexible gNB ID length (Ericsson)

Scope: Reply LS, and CRs. Offline only (if possible)

Intended outcome: LS out (approved), CRs (agreed)

Deadline: W2 Friday, CB only if needed (Can be extended to post meeting disc if needed)

* [AT118-e][084][IOT NTN] UE capabilities (Nokia)

Scope: Take into account LSin, address remaining points if any, capture agreements in CRs, make an LS to SA2 on TN NTN cap separation.

Intended outcome: CR to 36306 (agreed), TP to 36331 (merge with 331 CR), LS out to SA2 (approved).

Deadline: EOM (CR can continue in a post meeting discussion if needed)

[031][080] is Modified

# 1 Opening of the meeting

**This e-Meeting**

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

- RAN2 118 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

[R2-2204400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204400.zip) Agenda for RAN2#118-e Chairman agenda

## 2.2 Approval of the report of the previous meeting

[R2-2204401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204401.zip) RAN2#117-e Meeting Report MCC report Late

[R2-2204402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204402.zip) RAN2 Rel-17 ASN.1 AdHoc Meeting Report MCC report Late

## 2.3 Reporting from other meetings

## 2.4 Others

Rel-17 CR Instructions (pl read)

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 118-e, and R2 119 (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.
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. Big open issues can be discussed with contributions with CR/TP in the appendix of the contribution, or draft CR.
5. For WI that has been declared 100% complete only essential corrections should be submitted. Other corrections may be deprioritized.

ASN.1 review CRs / draft CRs etc:

1. Documents that relate to ASN.1 review should indicate the RIL number in the document title (unless the list is unpractically long). Companies shall coordinate to avoid multiple tdocs for an issue. All NR RRC corrections shall be registered with the ASN.1 review file (RIL status to be consistent with CRs etc, to avoid double work or non-addressed issues)
2. CRs and tdocs related to RRC ASN.1 review may use the late submission deadline.
3. Rapporteurs of Rel-17 WI RRC CRs are asked to address Class 1 and Class 2 issues for their WI, at least for those RIL issues with favourable decision at ASN.1 ad-hoc meeting, and at least for RIL issues for which it is not indicated that the RIL company will provide a tdoc. RRC CR Rapporteur resolutions has priority to be treated over other tdocs if any. If RILs need discussion, an accompanying discussion document can be provided.
4. Rapporteurs of Rel-17 WI RRC CRs are further asked to address Class 0 issues for their WI to the extent reasonable (Rapporteur need to assess which issues to include). Class 0 issues are assumed to not impact protocol operation and can in principle also be fixed at a later time.
5. Rapporteurs of Rel-17 WI RRC CRs are asked to indicate which Class 1 2 RILs are intended to be addressed ASAP, and use a [Pre118-e]-discussion for this communication and for the initial informal check of the Issue resolutions etc in the CR (or in the discussion doc if applicable).
6. GEN RILs are addressed by the RRC TS rapporteur, if not otherwise stated. Multi-WI RILs can be handled by a tdoc by the submitter. AI 6.0.1 and AI 7.0.1 are for general or multi-WI issues. Multi-WI RIL issues can also just be coordinated offline among Rapporteurs regarding who shall handle it / in which WI session it is better handled (e.g. for issues impacting related WIs such as SL relay and SL enh).

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).

- ASN.1 review: Max 1 tdoc per RIL issue (class 1,2) for RIL company (if there is RIL overlap or closely related RILs, companies shall coordinate to avoid multiple tdocs for one topic, including coordination with WI CR Rapporteur, who has priority for treatment). Tdoc for a RIL issue is expected if it is indicated in the RIL that a tdoc will be provided.

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-17 UE capabilities

For R2 118-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: Aim to 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 (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.

5. At the end of R2 118, 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.

Rapporteur Changes

Spec Former Rapporteur Proposed New Rapporteur

37.324 Hao Bi (Futurewei) Yunsong Yang (Futurewei)

Chair: Rapporteur Change is proposed Approved

[R2-2204403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204403.zip) RAN2 Handbook 05-22 MCC discussion

[R2-2204404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204404.zip) Check-in procedure in 3GPP meetings MCC discussion Rel-17

# 3 Incoming liaisons

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

Rel-18 LSin’s will not be treated at current meeting. Rel-18 LSin’s will be treated in Q3. In case some LS is particularly urgent and treatment is not complex, it could be considered for Q2.

[R2-2204417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204417.zip) LS response to 3GPP RAN on Location Services for Drones (LI(21)P59034r1; contact: ETSI TC LI) ETSI TC LI LS in To:RAN, RAN2 Cc:SA3-LI

Chair: TSG RAN replied, no need to reply from RAN2, Propose Noted [000]

[R2-2204514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204514.zip) LS response to ETSI TC LI on Location Services for Drones (RP-220954; contact: Ericsson) RAN LS in To:ETSI TC LI Cc:RAN2, SA3 LI

Chair: RAN2 is cc’ed. Propose Noted [000]

[R2-2204512](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204512.zip) LS on presentation of EUWENA and involvement in 3GPP on Non Public Network (contact: Novamint) EUWENA LS in To:SA, RAN, CT Cc:SA1, SA2, SA6, RAN1, RAN2, RAN3, RAN4, CT1, CT6

Chair: RAN2 is cc’ed. Propose Noted [000]

Rel-18

Chair: All proposed postponed [000]. If something is urgent pl contact Chair

Low Latency

[R2-2204438](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204438.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

[R2-2205502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205502.zip) Discussion on RAN feedback for low latency Ericsson discussion

[R2-2205018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205018.zip) Proposed response to SA2 LS R2-2203930 on low latency Nokia, Nokia Shanghai Bell discussion Rel-18 FS\_5TRS\_URLLC

XR

[R2-2204523](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204523.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

[R2-2205998](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205998.zip) Discussion of SA2 LS on UE Power Saving for XR and Media Services Ericsson discussion

[R2-2204439](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204439.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

[R2-2206337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206337.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

Misc

[R2-2204515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204515.zip) UE capabilities for MBS (S2-2203020; contact: Qualcomm) SA2 LS in Rel-18 FS\_5MBS\_Ph2 To:RAN1 Cc:RAN, RAN2, RAN3

[R2-2204530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204530.zip) LS on Rel-18 WI related to vehicular distributed antenna systems (S-220026; contact: LGE) 5GAA WG4 LS in Rel-18 S4SEM To:RAN1; Cc:RAN, RAN2, RAN4

# 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 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 WIs are in scope but not listed explicitly (long list). Documents in this agenda item will be handled in a break out session. Common NB-IoT/eMTC parts treated jointly with 4.2.

## 4.2 eMTC corrections Rel-16 and earlier

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

Documents in this agenda item will be handled in a break out session. Common NB-IoT/eMTC parts treated jointly with 4.1.

[R2-2205877](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205877.zip) Correction on calculating number of TBs for multi-TB scheduling Oy LM Ericsson AB CR Rel-16 36.321 16.7.0 1539 - F LTE\_eMTC5-Core

[R2-2205879](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205879.zip) Correction on calculating number of TBs for multi-TB scheduling Oy LM Ericsson AB CR Rel-17 36.321 17.0.0 1540 - A LTE\_eMTC5-Core

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

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

Documents in this agenda item will be handled in a break out session.

## 4.4 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.

## 4.5 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 corrections and issues that do not fit under any other topic.

Including outcome of [Post117-e][209][QoE] Correction to application layer measurement and reporting for LTE (Google)

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.

[R2-2205199](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205199.zip) Minor changes collected by Rapporteur Samsung CR Rel-16 36.331 16.8.0 4790 - F LTE\_euCA-Core

[R2-2205200](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205200.zip) Clarifications on CQI-ReportPeriodicScell Samsung discussion LTE\_euCA-Core

[R2-2205201](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205201.zip) Correction on the CQI-ReportPeriodicScell Samsung CR Rel-15 36.331 15.17.0 4791 - F LTE\_euCA-Core

[R2-2205202](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205202.zip) Correction on the CQI-ReportPeriodicScell Samsung CR Rel-16 36.331 16.8.0 4792 - A LTE\_euCA-Core

[R2-2205203](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205203.zip) Correction on the CQI-ReportPeriodicScell Samsung CR Rel-17 36.331 17.0.0 4793 - A LTE\_euCA-Core

[R2-2205427](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205427.zip) Correction on evaluation of conditional reconfiguration CATT CR Rel-16 36.331 16.8.0 4800 - F LTE\_feMob-Core

[R2-2205544](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205544.zip) Discussion on application layer measurement and reporting for LTE during full configuration Intel Corporation discussion Rel-17 LTE\_QMC\_Streaming-Core

R2-2205545 Correction to application layer measurement and reporting for LTE during full configuration Intel Corporation CR Rel-17 36.331 17.0.0 4802 - A LTE\_QMC\_Streaming-Core Late

[R2-2205731](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205731.zip) Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-15 36.331 15.17.0 4775 1 F LTE\_QMC\_Streaming-Core R2-2203661

[R2-2205733](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205733.zip) Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-16 36.331 16.8.0 4776 1 A LTE\_QMC\_Streaming-Core R2-2203662

[R2-2205741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205741.zip) Correction to application layer measurement and reporting Google Inc., Qualcomm CR Rel-17 36.331 17.0.0 4806 - A LTE\_QMC\_Streaming-Core

[R2-2206003](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206003.zip) Correction to application layer measurement and reporting for LTE during full configuration Intel Corporation CR Rel-15 36.331 15.17.0 4816 - F LTE\_QMC\_Streaming-Core

# 5 NR Rel-15 and Rel-16

Essential corrections only.

Tdoc Limitation: 18 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 Organisational

Incoming LSs, etc.

New LS in

[R2-2206470](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206470.zip) Reply LS on PDCCH Blind Detection in CA (R1-2205320; contact: Huawei)

Chair: Topic was postponed last meeting awaiting R1 reply, but proposals not resubmitted

LSin without R2 impact

All proposed Noted [000]

[R2-2204433](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204433.zip) Reply LS on NR-U channel information and procedures (R1-2202673; contact: Samsung) RAN1 LS in Rel-16 NR\_unlic-Core To:RAN3 Cc:RAN2

Chair: R2 is cc’d

[R2-2204434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204434.zip) Reply LS on UE capability for supporting single DCI transmission schemes for multi-TRP (R1-2202691; contact: Apple) RAN1 LS in Rel-16 NR\_eMIMO-Core To:RAN4 Cc:RAN2

Chair: R2 is cc’d

[R2-2204503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204503.zip) Reply LS on power control for NR-DC (R4-2206566; contact: OPPO & vivo) RAN4 LS in Rel-16 LTE\_NR\_DC\_CA\_enh-Core To:RAN1 Cc:RAN2

Chair: R2 is cc’d

[R2-2204452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204452.zip) Reply LS on Intra UE Prioritization Scenario (R1-2202734; contact: vivo) RAN1 LS in Rel-16 NR\_IIOT-Core To:RAN2

Chair: Assume this reply involves no further change as it just confirms R2 assumptions.

### 5.1.2 Stage 2 corrections

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

* [AT118-e][013][NR1516] Stage-2 (ZTE)

Scope: Treat [R2-2205923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205923.zip), [R2-2205924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205924.zip), [R2-2206110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206110.zip), [R2-2206111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206111.zip), [R2-2205978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205978.zip), [R2-2205979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205979.zip), [R2-2205990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205990.zip)  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2205923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205923.zip) Correction for SCell activation Huawei, HiSilicon CR Rel-16 37.340 16.9.0 0323 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2205924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205924.zip) Correction for SCell activation Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0324 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2205950](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205950.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-16 37.340 16.9.0 0325 - F LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core, TEI16

=> Revised in [R2-2206110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206110.zip)

[R2-2206110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206110.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-16 37.340 16.9.0 0325 1 F TEI16, LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core

[R2-2205951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205951.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-17 37.340 17.0.0 0326 - F LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core, TEI16

=> Revised in [R2-2206111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206111.zip)

[R2-2206111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206111.zip) Rapporteur Clean-up ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-17 37.340 17.0.0 0326 1 F TEI16, LTE\_NR\_DC\_CA\_enh-Core, NR\_IAB-Core

[R2-2205978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205978.zip) Support of 1Tx-2Tx UL Tx switching for EN-DC Huawei, HiSilicon, China Telecom CR Rel-16 37.340 16.9.0 0327 - F NR\_RF\_FR1-Core

[R2-2205979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205979.zip) Support of 1Tx-2Tx UL Tx switching for EN-DC Huawei, HiSilicon, China Telecom CR Rel-17 37.340 17.0.0 0328 - A NR\_RF\_FR1-Core

[R2-2205990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205990.zip) Support of UL Tx switching for inter-band UL CA and SUL Huawei, HiSilicon, China Telecom CR Rel-16 38.300 16.8.0 0470 - F NR\_RF\_FR1-Core

### 5.1.3 User Plane corrections

* [AT118-e][014][NR1516] User Plane (Samsung)

Scope: Treat [R2-2204755](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204755.zip), [R2-2204756](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204756.zip), [R2-2204757](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204757.zip), [R2-2205682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205682.zip), [R2-2205717](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205717.zip), [R2-2205718](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205718.zip), [R2-2205715](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205715.zip), [R2-2205716](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205716.zip),  
Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2206468](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206468.zip) Offline 014: Rel-15/16 User Plane Samsung.

DISCUSSION W2 Monday

SR and PUSCH collision (only)

- Nokia think 1 is correct, think that for other UCI they can be in parallel.

- vivo think there is no overlap in the legacy between these two, think 2 is about two pucch transmission. Current MAC is correct.

- MTK agree with Nokia, and there are reasons for this.

- OPPO think option 2 is correct, think that any UCI and PUSCH can be in parallel. CATT also support option 2, believe some impl could interpret like this, think MAC prevents something that is possible in L1. Samsung agrees with understanding 2, but think no company has implemented this yet. PUCCH groups could be for FR1 and FR2.

- Apple think current TS allow understanding 2 already.

- LG think 1 is correct for R15 R16.

- QC has impl understanding 1.

- Chair: companies need to check whether they have impl multiple PUCCH groups, maybe no need to discuss for R15 R16. Can discuss for R17? ZTE agrees.

- Ericsson think that current TS says UL-SCH resources. If this means also retransmission resources, it is possible that new Info such a BSR has very long delay.

- HW think PUCCH group is not visible to MAC.

- Samsung think that we should send an LS to RAN1.

- Chair asks whether 2 can be agreed as the understanding for Rel-17, understand that there is significant support for this. . QC need time to check. MTK ZTE also whant to check.

- Nokia think that for Rel-17 the discussion should be related to IIOT URLLC.

* We don’t require change of R15 R16 implementations (i.e. accept UEs impl acc to understanding 1).
* For Rel-17 postpone the discussion to next meeting.

#### 5.1.3.1 MAC

[R2-2204755](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204755.zip) Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-15 38.321 15.13.0 1231 - F NR\_newRAT-Core

[R2-2204756](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204756.zip) Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-16 38.321 16.8.0 1232 - F NR\_newRAT-Core, NR\_IIOT-Core

[R2-2204757](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204757.zip) Clarification on SR and PUSCH collision OPPO, Samsung CR Rel-17 38.321 17.0.0 1233 - A NR\_newRAT-Core, NR\_IIOT-Core

[R2-2205682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205682.zip) CR for procedure level alignment of UL skipping Apple CR Rel-16 38.321 16.8.0 1192 1 D NR\_IIOT-Core R2-2202524

[R2-2205717](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205717.zip) Clarification on Duplication MAC CE Samsung CR Rel-16 38.321 16.8.0 1282 - F NR\_IIOT-Core

[R2-2205718](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205718.zip) Clarification on Duplication MAC CE Samsung CR Rel-17 38.321 17.0.0 1283 - A NR\_IIOT-Core

#### 5.1.3.2 RLC PDCP SDAP BAP

[R2-2205715](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205715.zip) CR for EHC decompression Samsung CR Rel-16 36.323 16.5.0 0300 - F NR\_IIOT-Core

[R2-2205716](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205716.zip) CR for EHC decompression Samsung CR Rel-17 36.323 17.0.0 0301 - A NR\_IIOT-Core

### 5.1.4 Control Plane corrections

#### 5.1.4.1 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.

Rapporteur CR

R2-2206086 Miscellaneous non-controversial corrections Set IX Ericsson CR Rel-15 38.331 15.17.0 3165 - F NR\_newRAT-Core

R2-2206087 Miscellaneous non-controversial corrections Set IX Ericsson CR Rel-16 38.331 16.8.0 3166 - F NR\_newRAT-Core

##### 5.1.4.1.1 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.

* [AT118-e][015][NR1516] p-MaxEutra and p-NR-FR1 (Huawei)

Scope: Treat [R2-2204411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204411.zip), [R2-2204648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204648.zip), [R2-2204453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204453.zip), [R2-2205404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205404.zip), [R2-2205513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205513.zip), [R2-2204649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204649.zip)

Ph1 Determine agreeable parts, Ph2 approve reply LS (offline, CB online only if necessary).

Intended outcome: Report, Approved LS out

Deadline: Schedule 1

Power limitation

[R2-2204411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204411.zip) LS on configuration of p-MaxEUTRA and p-NR-FR1 (R5-217995; contact: Huawei) RAN5 LS in Rel-15 NR\_newRAT-Core To:RAN1, RAN2, RAN4

[R2-2204648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204648.zip) Discussion on configuration of p-MaxEUTRA and p-NR-FR1 ZTE Corporation, Sanechips discussion Rel-15 NR\_newRAT-Core R2-2202655

[R2-2204453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204453.zip) Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R1-2202769; contact: Huawei) RAN1 LS in Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN2, RAN4

[R2-2204504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204504.zip) Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 (R4-2206567; contact: Huawei) RAN4 LS in Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN2

[R2-2205513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205513.zip) Draft reply LS on configuration of p-MaxEUTRA and p-NR-FR1 Huawei, HiSilicon LS out Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN4

[R2-2204649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204649.zip) [Draft] Reply LS on configuration of p-MaxEUTRA and p-NR-FR1 ZTE Corporation LS out Rel-15 NR\_newRAT-Core To:RAN5 Cc:RAN1, RAN4

* [AT118-e][016][NR1516] Connection Control I (Ericsson)

Scope: Treat [R2-2205965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205965.zip), [R2-2205966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205966.zip), [R2-2205967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205867.zip), [R2-2205406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205406.zip), [R2-2205407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205407.zip), [R2-2205868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205868.zip), [R2-2205614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205614.zip), [R2-2205586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205586.zip), [R2-2205599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205599.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2206476 [AT118-e][016][NR1516] Connection Control I (Ericsson) Ericsson

DISCUSSION W2 Monday

P1 sn-FieldLength, See below

* noted

L1 parameters

[R2-2205965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205965.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-15 38.331 15.17.0 3140 - F NR\_newRAT-Core, TEI16

[R2-2205966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205966.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-16 38.331 16.8.0 3141 - A NR\_newRAT-Core, TEI16

[R2-2205967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205967.zip) Correction of Need Code in IE SearchSpace Ericsson CR Rel-17 38.331 17.0.0 3142 - A NR\_newRAT-Core, TEI16

L2 parameters

[R2-2205406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205406.zip) CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-15 38.331 15.17.0 3079 - F NR\_newRAT-Core

[R2-2205407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205407.zip) CR on 38.331 for sn-FieldLength ZTE Corporation,Sanechips CR Rel-16 38.331 16.8.0 3080 - A NR\_newRAT-Core

DISCUSSION W2 Monday

* Huawei think this case should be considered release of a bearer + setup of a bearer. Apple agrees with Huawei.
* LGE think this is unclear.
* Nokia think we need to make the scenario clear. Nokia think that the network may need to do a reconfig with synch.
* ZTE think reestablishment is not reconfig with synch, ZTE think this issue applies to other scenarios.
* Ericsson would like to stick with the scenario the CR is describing. Ericsson assumes that the network suspend and resumes the DRB.
* ZTE think that bearer type change normally doesn’t require reconfig with synch.
* Chair wonder why reconfig with synch cannot be done, when MN doesn’t know. ZTE think reconfig with synch is not desirable due to additional RACH.
* Huawei think we can do DRB release and add. Think if we address the general case, can we then do this by release/add RLC bearer, can postpone. OPPO agrees to postpone.
* Postponed

n77

[R2-2205968](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205968.zip) WF for NS\_55 in NR CA Ericsson discussion Rel-16 NR\_RF\_FR1-Core, TEI16

DISCUSSION W2 Monday

* Ericsson think RAN4 is already working on this, and RAN4 will send an LS. Nokia agrees.
* We wait, can discuss CR when we have received input from R4, in [016]

SMTC configuration

[R2-2205614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205614.zip) SMTC configuration for target cell Lenovo CR Rel-16 38.331 16.8.0 3103 - F NR\_newRAT-Core, TEI16

[R2-2205586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205586.zip) SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-15 36.331 15.17.0 4804 - F NR\_newRAT-Core

[R2-2205599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205599.zip) SMTC configuration for target cell Lenovo (Beijing) Ltd CR Rel-16 36.331 16.8.0 4805 - F NR\_newRAT-Core

* [AT118-e][017][NR1516] Connection Control II (Huawei)

Scope: Treat [R2-2204920](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204920.zip), [R2-2204921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204921.zip), [R2-2206145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206145.zip), [R2-2206146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206146.zip), [R2-2204917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204917.zip), [R2-2204918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204918.zip), [R2-2204919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204919.zip), [R2-2205251](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205251.zip), [R2-2205252](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205252.zip), [R2-2205617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205617.zip), [R2-2205624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205624.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

CHO related

[R2-2204920](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204920.zip) Correction on the RRC reestablishment in CHO Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3018 - F NR\_Mob\_enh-Core

[R2-2204921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204921.zip) Correction on the RRC reestablishment in CHO Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3019 - A NR\_Mob\_enh-Core

[R2-2205850](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205850.zip) CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 38.331 16.8.0 3120 - F NR\_Mob\_enh-Core

=> Revised in [R2-2206145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206145.zip)

[R2-2206145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206145.zip) CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 38.331 16.8.0 3120 1 F NR\_Mob\_enh-Core

[R2-2205858](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205858.zip) CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 36.331 16.8.0 4809 - F LTE\_feMob-Core

=> Revised in [R2-2206146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206146.zip)

[R2-2206146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206146.zip) CHO configuration with SCG release Qualcomm Incorporated CR Rel-16 36.331 16.8.0 4809 1 F LTE\_feMob-Core

DAPS related

[R2-2204917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204917.zip) Discussion on RLC re-establishment issue upon DAPS fallback Huawei, HiSilicon discussion Rel-16 NR\_Mob\_enh-Core

[R2-2204918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204918.zip) Correction on UE behaviours for DAPS fallback\_Alt1 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3016 - F NR\_Mob\_enh-Core

[R2-2204919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204919.zip) Correction on UE behaviours for DAPS fallback\_Alt2 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3017 - F NR\_Mob\_enh-Core

IAB

[R2-2205251](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205251.zip) Corrections on BAP entity release in MR DC release procedure in TS 38.331 Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3060 - F NR\_IAB-Core

[R2-2205252](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205252.zip) Corrections on BAP entity release in MR DC release procedure in TS 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3061 - A NR\_IAB\_enh-Core

[R2-2205617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205617.zip) Correction to RRC reestablishment for IAB Google Inc. CR Rel-16 38.331 16.8.0 3104 - F NR\_IAB-Core

[R2-2205624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205624.zip) Correction to RRC reestablishment for IAB Google Inc. CR Rel-17 38.331 17.0.0 3105 - A NR\_IAB-Core

##### 5.1.4.1.2 RRM and Measurements

* [AT118-e][018][NR1516] RRM and measurements (Apple)

Scope: Treat [R2-2204483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204483.zip), [R2-2205678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205678.zip), [R2-2206093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206093.zip), [R2-2205294](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205294.zip), [R2-2205295](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205295.zip), [R2-2205296](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205296.zip), [R2-2205297](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205297.zip), [R2-2205313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205213.zip), [R2-2205314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205214.zip), [R2-2204611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204611.zip), [R2-2204612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204612.zip), [R2-2204613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204613.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

L3 filter

[R2-2204483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204483.zip) Reply LS to RAN2 on L3 filter configuration (R4-2207041; contact: Apple) RAN4 LS in Rel-15 NR\_newRAT-Core To:RAN2

[R2-2205678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205678.zip) Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-16 38.331 16.8.0 3111 - F NR\_newRAT-Core

[R2-2205961](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205961.zip) Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-16 38.331 16.8.0 3139 - A NR\_newRAT-Core Late

=> Revised in [R2-2206093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206093.zip)

[R2-2206093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206093.zip) Clarification on L3 filtering configuration (filterCoefficient) Apple, Ericsson CR Rel-17 38.331 17.0.0 3139 1 A NR\_newRAT-Core

[R2-2205294](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205294.zip) Discussion on L3 filtering Huawei, HiSilicon discussion Rel-15 NR\_newRAT-Core

[R2-2205295](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205295.zip) Correction to L3 filtering (R15) Huawei, HiSilicon CR Rel-15 38.331 15.17.0 3063 - F NR\_newRAT-Core

[R2-2205296](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205296.zip) Correction to L3 filtering (R16) Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3064 - A NR\_newRAT-Core

[R2-2205297](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205297.zip) Correction to L3 filtering (R17) Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3065 - A NR\_newRAT-Core

Misc

[R2-2205313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205313.zip) Correction on quantity configuration Xiaomi CR Rel-15 38.331 15.17.0 3067 - F NR\_newRAT-Core

[R2-2205314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205314.zip) Correction on quantity configuration Xiaomi CR Rel-16 38.331 16.8.0 3068 - A NR\_newRAT-Core

[R2-2204611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204611.zip) 38331CR Corrections on T321 and T322 timer start-R15 OPPO CR Rel-15 38.331 15.17.0 2981 - F NR\_newRAT-Core

[R2-2204612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204612.zip) 38331CR Corrections on T321 and T322 timer start-R16 OPPO CR Rel-16 38.331 16.8.0 2982 - A NR\_newRAT-Core

[R2-2204613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204613.zip) 38331CR Corrections on T321 and T322 timer start-R17 OPPO CR Rel-17 38.331 17.0.0 2983 - A NR\_newRAT-Core

##### 5.1.4.1.3 System Information and Paging

* [AT118-e][019][NR1516] CP Miscellanous (vivo)

Scope: Treat [R2-2204902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204902.zip), [R2-2205428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205428.zip), [R2-2205429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205429.zip), [R2-2204845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204845.zip), [R2-2204846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204846.zip), [R2-2205827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205827.zip), [R2-2204728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204728.zip), [R2-2204729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204729.zip), [R2-2204845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204845.zip), [R2-2204846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204846.zip), [R2-2205827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205827.zip), [R2-2204728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204728.zip), [R2-2204729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204729.zip), [R2-2205503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205503.zip), [R2-2205504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205504.zip), [R2-2205298](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205298.zip), [R2-2205299](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205299.zip), [R2-2205300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205300.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

##### 5.1.4.1.4 Inter-Node RRC messages

[R2-2204902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204902.zip) Confirmation for inter-MN HO without SN change NEC discussion Rel-15 NR\_newRAT-Core

[R2-2205428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205428.zip) Correction on FR1-FR1power control parameters of NR-DC CATT CR Rel-16 38.331 16.8.0 3083 - F LTE\_NR\_DC\_CA\_enh-Core Late

[R2-2205429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205429.zip) Correction on FR1-FR1power control parameters of NR-DC CATT CR Rel-17 38.331 17.0.0 3084 - A LTE\_NR\_DC\_CA\_enh-Core Late

##### 5.1.4.1.5 Other

[R2-2204845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204845.zip) Correction on rrc-ConfiguredUplinkGrant in Rel-15 vivo CR Rel-15 38.331 15.17.0 3000 - F NR\_newRAT-Core

[R2-2204846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204846.zip) Correction on rrc-ConfiguredUplinkGrant in Rel-16 vivo CR Rel-16 38.331 16.8.0 3001 - F NR\_newRAT-Core

[R2-2205827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205827.zip) Correction on rrc-ConfiguredUplinkGrant in Rel-17 vivo CR Rel-17 38.331 17.0.0 3119 - A NR\_newRAT-Core

[R2-2204728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204728.zip) Correction on T345 for UAI overheating OPPO CR Rel-16 38.331 16.8.0 2995 - F NR\_newRAT-Core

[R2-2204729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204729.zip) Correction on T345 for UAI overheating OPPO draftCR Rel-17 38.331 17.0.0 A NR\_newRAT-Core

[R2-2205503](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205503.zip) Need code correction for ReferenceTimeInfo Ericsson CR Rel-16 38.331 16.8.0 3091 - F NR\_IIOT-Core

[R2-2205504](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205504.zip) Need code correction for ReferenceTimeInfo Ericsson CR Rel-17 38.331 17.0.0 3092 - A NR\_IIOT-Core

Withdrawn

R2-2205948 Miscellaneous corrections Lenovo draftCR Rel-17 38.331 17.0.0 A 5G\_V2X\_NRSL-Core, TEI16 Withdrawn

#### 5.1.4.2 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.

[R2-2205298](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205298.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R15) Huawei, HiSilicon CR Rel-15 36.331 15.17.0 4795 - F NR\_newRAT-Core

[R2-2205299](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205299.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R16) Huawei, HiSilicon CR Rel-16 36.331 16.8.0 4796 - A NR\_newRAT-Core

[R2-2205300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205300.zip) Correction on NR serving frequency results reporting for event-triggered measurement (R17) Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4797 - A NR\_newRAT-Core

#### 5.1.4.3 UE capabilities

* [AT118-e][020][NR1516] UE capabilities I (NTT DOCOMO)

Scope: Treat [R2-2205118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205118.zip), [R2-2205119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205119.zip), [R2-2205121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205121.zip), [R2-2204472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204472.zip), [R2-2206063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206063.zip), [R2-2206064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206064.zip), [R2-2204419](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204419.zip), [R2-2204840](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204840.zip), [R2-2204841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204841.zip), [R2-2205451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205451.zip), [R2-2205452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205452.zip), [R2-2206000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206000.zip), [R2-2206001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206001.zip)

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R4 - Simu Rx/Tx

[R2-2205118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205118.zip) Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-15 38.306 15.16.0 0708 - F NR\_newRAT-Core

[R2-2205119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205119.zip) Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-16 38.306 16.8.0 0709 - A NR\_newRAT-Core

[R2-2205121](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205121.zip) Clarification on simultaneous Rx/Tx capability per band pair NTT DOCOMO, INC. CR Rel-17 38.306 17.0.0 0710 - A NR\_newRAT-Core

R4 - maxNumberCSI-RS

[R2-2204472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204472.zip) LS on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR (R4-2206828; contact: Apple) RAN4 LS in Rel-17 NR\_CSIRS\_L3meas To:RAN1, RAN2

Chair: The LS indicates a Rel-16 WI and Rel-17 applicability

[R2-2206063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206063.zip) Clarification on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR Apple Inc CR Rel-16 38.306 16.8.0 0740 - F NR\_CSIRS\_L3meas

[R2-2206064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206064.zip) Clarification on the applicability of mixed numerology on UE capability maxNumberCSI-RS-RRM-RS-SINR Apple Inc CR Rel-17 38.306 17.0.0 0741 - A NR\_CSIRS\_L3meas

L1

[R2-2204419](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204419.zip) LS on updated Rel-16 RAN1 UE features lists for NR after RAN1#108-e (R1-2202764; contact: NTT DOCOMO) RAN1 LS in Rel-16 TEI16, NR\_CLI\_RIM-Core, NR\_eMIMO-Core, NR\_Mob\_enh-Core, LTE\_NR\_DC\_CA\_enh-Core, NR\_unlic-Core, NR\_2step\_RACH-Core, NR\_IAB-Core, NR\_L1enh\_URLLC-Core, NR\_UE\_pow\_sav-Core, NR\_pos-Core, 5G\_V2X\_NRSL-Core, NR\_IIOT-Core To:RAN2 Cc:RAN4

[R2-2204840](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204840.zip) Correction to multi-DCI multi-TRP and new UE capability to limit PDCCH monitoring Intel Corporation CR Rel-16 38.306 16.8.0 0704 - F NR\_eMIMO-Core, TEI16

[R2-2204841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204841.zip) New UE capability to limit PDCCH monitoring Intel Corporation CR Rel-16 38.331 16.8.0 2999 - F NR\_eMIMO-Core, TEI16

[R2-2205451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205451.zip) Correction on the UE capability description of the overlapping PDSCH in Rel-17 Xiaomi Communications, Samsung CR Rel-17 38.306 17.0.0 0716 - F TEI16

[R2-2205452](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205452.zip) Correction on the UE capability description of the overlapping PDSCH in Rel-16 Xiaomi Communications, Samsung CR Rel-16 38.306 16.8.0 0717 - A TEI16

[R2-2206000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206000.zip) bwp-SwitchingDelay conditionally mandatory capability Qualcomm Incorporated CR Rel-15 38.306 15.16.0 0734 - F NR\_newRAT-Core

[R2-2206001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206001.zip) bwp-SwitchingDelay conditionally mandatory capability Qualcomm Incorporated CR Rel-16 38.306 16.8.0 0735 - F NR\_newRAT-Core

* [AT118-e][021][NR1516] UE capabilities II (Huawei)

Scope: Treat [R2-2206002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206002.zip), [R2-2204485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204485.zip), [R2-2205558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205558.zip), [R2-2205559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205559.zip), [R2-2205560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205560.zip), [R2-2205561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205561.zip), [R2-2205453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205453.zip), [R2-2205556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205556.zip), [R2-2205557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205557.zip), [R2-2205984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205984.zip), [R2-2205985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205985.zip),

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2206002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206002.zip) Clarification on configuredUL-GrantType1-v1650 Qualcomm Incorporated CR Rel-16 38.306 16.8.0 0736 - F NR\_newRAT-Core

Measurement

[R2-2204485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204485.zip) LS on UE capability for inter-frequency measurement without MG (R4-2207090; contact: Huawei) RAN4 LS in Rel-16 NR\_RRM\_enh-Core To:RAN2

[R2-2205558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205558.zip) Correction on UE capability for inter-frequency measurement without MG Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0720 - F NR\_RRM\_enh-Core

[R2-2205559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205559.zip) Correction on UE capability for inter-frequency measurement without MG Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0721 - A NR\_RRM\_enh-Core

[R2-2205560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205560.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0722 - F NR\_eMIMO-Core

[R2-2205561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205561.zip) Clarification on capabilities reported in different granularity with prerequisite Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0723 - A NR\_eMIMO-Core

[R2-2205453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205453.zip) Clarification on the rmtc-Config-r16 Xiaomi Communications, Apple, OPPO CR Rel-16 38.331 16.8.0 3087 - F TEI16

[R2-2205556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205556.zip) Correction on measurementEnhancement capability for high speed scenario Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0718 - F NR\_HST-Core

[R2-2205557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205557.zip) Correction on measurementEnhancement capability for high speed scenario Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0719 - A NR\_HST-Core

CHO and CPC

[R2-2205984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205984.zip) Clarifications on CHO and CPC UE capabilities Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0732 - F NR\_Mob\_enh-Core

[R2-2205985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205985.zip) Clarifications on CHO and CPC UE capabilities Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0733 - A NR\_Mob\_enh-Core

#### 5.1.4.4 Idle/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

* [AT118-e][022][NR1516] Idle/Inactive mode (Qualcomm)

Scope: Treat [R2-2205946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205946.zip), [R2-2205945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205945.zip), R2-2204482, R2-2204826, R2-2205476, R2-2205742, R2-2205743

Ph1 Determine agreeable parts, Ph2 for agreeable parts agree CRs (offline agreement, CB online only if necessary).

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2205946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205946.zip) Miscellaneous Editorial Corrections Qualcomm Incorporated CR Rel-16 38.304 16.7.0 0250 - D TEI16

[R2-2205945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205945.zip) Miscellaneous Editorial Corrections Qualcomm Incorporated CR Rel-17 38.304 17.0.0 0249 - D TEI17

Moved from AI6.0.3

[R2-2204482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204482.zip) Reply LS to RAN2 on RRM relaxation in power saving (R4-2207038; contact: CATT) RAN4 LS in Rel-16 NR\_UE\_pow\_sav-Core To:RAN2

[R2-2204826](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204826.zip) Correction on RRM relaxation in PowSav vivo CR Rel-16 38.304 16.7.0 0239 - F NR\_UE\_pow\_sav-Core

[R2-2205476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205476.zip) Correction on RRM relaxation in PowSav vivo CR Rel-17 38.304 17.0.0 0244 - A NR\_UE\_pow\_sav-Core

[R2-2205742](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205742.zip) Addressing inconsistency for RRM measurement rules Ericsson, CATT CR Rel-16 38.304 16.7.0 0247 - F NR\_UE\_pow\_sav-Core

[R2-2205743](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205743.zip) Addressing inconsistency for RRM measurement rules Ericsson, CATT CR Rel-17 38.304 17.0.0 0248 - A NR\_UE\_pow\_sav-Core

Moved from 6.9

## 5.2 NR V2X

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

Documents in this agenda item will be handled in a break out session

Tdoc Limitation: See tdoc limitation for Agenda Item 5

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.

[R2-2204454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204454.zip) Reply LS to RAN4 on PEMAX for NR-V2X (R1-2202816; contact: Huawei) RAN1 LS in Rel-16 5G\_V2X\_NRSL-Core To:RAN4 Cc:RAN2

[R2-2204513](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204513.zip) LS on V2X PC5 link for unicast communication with null security algorithm (R5-222035; contact: HiSilicon) RAN5 LS in To:SA3, CT1, RAN2

[R2-2204516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204516.zip) Reply LS on how to receive the first PC5-S unicast message during PC5-S connection setup procedure (S2-2203024; contact: CATT) SA2 LS in Rel-16 eV2XARC, 5G\_V2X\_NRSL-Core To:RAN2

[R2-2204844](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204844.zip) Discussion on null security algorithm ZTE Corporation, Sanechips discussion Rel-16 5G\_V2X\_NRSL-Core

[R2-2204858](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204858.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

[R2-2205108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205108.zip) (draft)reply LS on null security algorithm ZTE Corporation, Sanechips LS out Rel-16 5G\_V2X\_NRSL-Core To:RAN5 Cc:SA3,CT1

### 5.2.2 Control plane corrections

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

[R2-2204572](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204572.zip) Correction on field description of sl-DefaultTxConfigIndex OPPO CR Rel-16 38.331 16.8.0 2973 - F 5G\_V2X\_NRSL-Core

[R2-2204573](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204573.zip) Correction on field description of sl-DefaultTxConfigIndex OPPO CR Rel-17 38.331 17.0.0 2974 - A 5G\_V2X\_NRSL-Core

[R2-2204645](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204645.zip) Correction on per-FS capability OPPO CR Rel-16 36.331 16.8.0 4782 - F 5G\_V2X\_NRSL-Core

[R2-2204646](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204646.zip) Correction on per-FS capability OPPO CR Rel-17 36.331 17.0.0 4783 - A 5G\_V2X\_NRSL-Core

[R2-2204855](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204855.zip) Summary of Rel-16 control plane corrections Huawei, HiSilicon discussion Rel-16 5G\_V2X\_NRSL-Core Late

[R2-2204856](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204856.zip) Miscelleneous corrections Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3002 - F 5G\_V2X\_NRSL-Core

[R2-2204857](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204857.zip) Miscelleneous corrections Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3003 - A 5G\_V2X\_NRSL-Core

[R2-2204859](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204859.zip) Clarification on PC5 AS security Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3004 - F 5G\_V2X\_NRSL-Core

[R2-2204860](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204860.zip) Clarification on PC5 AS security Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3005 - A 5G\_V2X\_NRSL-Core

[R2-2205109](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205109.zip) Clarification on power control parameter ZTE Corporation, Sanechips,vivo CR Rel-16 38.331 16.8.0 3050 - F 5G\_V2X\_NRSL-Core

[R2-2205577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205577.zip) Clarifying support of null security algorithm for SL-SRB2 and SL-SRB3 MediaTek Inc. CR Rel-16 38.331 16.8.0 3101 - F 5G\_V2X\_NRSL-Core

[R2-2205578](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205578.zip) Clarifying support of null security algorithm for SL-SRB2 and SL-SRB3 MediaTek Inc. CR Rel-17 38.331 17.0.0 3102 - A 5G\_V2X\_NRSL-Core

[R2-2205947](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2205947.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205947.zip) Miscellaneous corrections Lenovo draftCR Rel-16 38.331 16.8.0 F 5G\_V2X\_NRSL-Core, TEI16

Moved from 5.1.4.1.5

[R2-2205953](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205953.zip) Miscellaneous corrections Lenovo draftCR Rel-17 38.331 17.0.0 A TEI16, 5G\_V2X\_NRSL-Core

Moved from 5.1.4.1.5

[R2-2206043](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206043.zip) Correction on SUI message OPPO CR Rel-16 38.331 16.8.0 3153 F 5G\_V2X\_NRSL-Core

### 5.2.3 User plane corrections

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

[R2-2204774](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204774.zip) PDCPRLC Entity Maintenance for SL-SRBs CATT discussion Rel-16 5G\_V2X\_NRSL-Core

[R2-2204775](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204775.zip) Corrections on MAC filtering issue for the first unicast PC5-S signalling CATT CR Rel-16 38.321 16.8.0 1259 - F 5G\_V2X\_NRSL-Core

[R2-2204776](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204776.zip) Corrections on RLC entity establishment issue for the first unicast PC5-S signalling CATT CR Rel-16 38.322 16.2.0 0047 - F 5G\_V2X\_NRSL-Core

[R2-2204777](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204777.zip) Corrections on PDCP entity establishment issue for the first unicast PC5-S signalling CATT CR Rel-16 38.323 16.6.0 0089 - F 5G\_V2X\_NRSL-Core

R2-2204778 Correction on user plane aspects (Rapporteur CR) LG Electronics France CR Rel-16 38.321 16.8.0 1234 - F 5G\_V2X\_NRSL-Core Late

=> Withdrawn

[R2-2205125](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205125.zip) Corrections on SL configured grant and SL BSR ASUSTeK CR Rel-16 38.321 16.8.0 1255 - F 5G\_V2X\_NRSL-Core

[R2-2205126](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205126.zip) TB filtering in MAC ASUSTeK CR Rel-16 38.321 16.8.0 1256 - F 5G\_V2X\_NRSL-Core

[R2-2205127](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205127.zip) TB filtering in MAC ASUSTeK CR Rel-17 38.321 17.0.0 1257 - A 5G\_V2X\_NRSL-Core

R2-2205144 Summary of MAC corrections (Rapporteur) LG Electronics France discussion Rel-16 38.321 5G\_V2X\_NRSL-Core Late

=> Withdrawn

[R2-2205602](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205602.zip) Correction on PDCP SN setting for SLRB transmit operation Samsung CR Rel-16 38.323 16.6.0 0091 - F 5G\_V2X\_NRSL-Core

[R2-2205603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205603.zip) Correction on PDCP SN setting for SLRB transmit operation Samsung CR Rel-17 38.323 17.0.0 0092 - 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, and non-urgent documents may be postponed to next meeting.

Tdoc Limitation: See tdoc limitation for Agenda Item 5

### 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).

[R2-2204694](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204694.zip) Correction on the description of deferred MT-LR CATT CR Rel-16 38.305 16.7.0 0088 - F NR\_pos-Core

[R2-2204695](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204695.zip) Correction on the description of deferred MT-LR CATT CR Rel-17 38.305 17.0.0 0089 - A NR\_pos-Core

### 5.3.2 RRC corrections

Including impact to 36.331, 38.331, and 38.306.

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

### 5.3.3 LPP corrections

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

[R2-2205801](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205801.zip) Motivation to clarify LPP segmentation purpose Ericsson discussion

[R2-2205802](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205802.zip) Clarification on LPP segmentation Ericsson CR Rel-16 37.355 16.8.0 0334 1 F NR\_pos-Core R2-2203368

[R2-2205803](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205803.zip) Clarification on LPP segmentation Ericsson CR Rel-17 37.355 17.0.0 0346 - 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).

Documents in this agenda item will be handled in a break out session

Tdoc Limitation: See tdoc limitation for Agenda Item 5

### 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

[R2-2204548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204548.zip) Corrections to SON/MDT capabilities Lenovo CR Rel-16 38.306 16.8.0 0675 1 F NR\_SON\_MDT-Core R2-2202223

[R2-2204549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204549.zip) Corrections to SON/MDT capabilities Lenovo CR Rel-17 38.306 17.0.0 0699 - A NR\_SON\_MDT-Core

[R2-2204589](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204589.zip) Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE discussion

[R2-2204594](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204594.zip) Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE CR Rel-16 38.331 16.8.0 2976 - F NR\_SON\_MDT-Core

[R2-2204595](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204595.zip) Corrections on LTE UE RLF Report China Telecom, CATT, Ericsson, ZTE CR Rel-17 38.331 17.0.0 2977 - A NR\_SON\_MDT-Core

[R2-2204916](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204916.zip) Correction on delay value configuration description Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3015 - F NR\_SON\_MDT-Core

[R2-2204937](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204937.zip) Add TAC into Previous Cell Information of RLF Report CATT draftCR Rel-16 36.331 16.8.0 NR\_SON\_MDT-Core

[R2-2205660](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205660.zip) Addition of missing information into RA-InformationCommon-r16 Apple, Ericsson CR Rel-16 38.331 16.8.0 3108 - F NR\_SON\_MDT-Core

[R2-2205661](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205661.zip) Addition of missing information into RA-InformationCommon-r16 Apple, Ericsson CR Rel-17 38.331 17.0.0 3109 - A NR\_SON\_MDT-Core

[R2-2205760](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205760.zip) Discrepancy on inclusion of reconnectCellId Samsung Electronics Co., Ltd discussion Rel-16 38.331 NR\_SON\_MDT-Core

[R2-2205885](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205885.zip) On DAPS handover failure handling Ericsson CR Rel-16 38.331 16.8.0 3123 - F NR\_SON\_MDT-Core

[R2-2205886](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205886.zip) On sensor information configuration Ericsson CR Rel-16 38.331 16.8.0 3124 - F NR\_SON\_MDT-Core

[R2-2205887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205887.zip) On sensor information configuration Ericsson CR Rel-17 38.331 17.0.0 3125 - A NR\_SON\_MDT-Core

[R2-2205888](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205888.zip) On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-16 38.331 16.8.0 3126 - F NR\_SON\_MDT-Core

[R2-2205889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205889.zip) On including SSB and CSI-RS measurements in RLF report Ericsson CR Rel-17 38.331 17.0.0 3127 - A NR\_SON\_MDT-Core

[R2-2205890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205890.zip) On ObtainCommonLocation related configuration Ericsson CR Rel-16 38.331 16.8.0 3128 - F NR\_SON\_MDT-Core

[R2-2205891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205891.zip) On ObtainCommonLocation related configuration Ericsson CR Rel-17 38.331 17.0.0 3129 - A NR\_SON\_MDT-Core

[R2-2206106](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206106.zip) Add TAC into Previous Cell Information of RLF Report CATT CR Rel-17 36.331 17.0.0 4818 - A NR\_SON\_MDT-Core

[R2-2206107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206107.zip) Add TAC into Previous Cell Information of RLF Report CATT CR Rel-16 36.331 16.8.0 4819 - F NR\_SON\_MDT-Core

# 6 NR Rel-17

## 6.0 General

Please input to 6.0.x. These AIs includes General Aspects regarding Rel 17, both NR and LTE, organizational and planning, common aspects regarding UE caps, RRC parameters, running CRs, need for organized inter-WI coord etc. A main purpose of this AI is to provide opportunity for rapporteurs and other highly interested to illuminate important aspects for the finalization phases of Rel-17. Input to this AI is optional. Note that the multi-WI topic of RACH indication and partitioning is handled under a separate AI.

### 6.0.1 RRC

Including general or multi-WI aspects of ASN.1 review

LS in

[R2-2204418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204418.zip) LS on updated Rel-17 LTE and NR higher-layers parameter list (R1-2202760; contact: Ericsson) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_SL\_enh, NR\_DSS, NB\_IOTenh4\_LTE\_eMTC6, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_UE\_pow\_sav\_enh, NR\_MBS, LTE\_NR\_DC\_enh2, NR\_IAB\_enh, NR\_SmallData\_INACTIVE, NR\_RF\_FR1\_enh, NR\_pos\_enh, NR\_cov\_enh, NR\_redcap, LTE\_terr\_bcast\_bands\_part1, LTE\_NBIOT\_eMTC\_NTN, NR\_cov\_enh2 To:RAN2, RAN3 Cc:RAN4

Chair: to be taken into account in WI sessions in WI-specific CRs

* [AT118-e][023][NR17] RRC I (Ericsson)

Scope: Treat R2-2206084, R2-2206985. Take into account also other agreements that should be captured in the Rapporteur CR. Treat R2-2205969, R2-2205970, R2-2205971 to the extent needed to progress the CR. Take into account other meeting agreements to be captured in the Rapporteur general CR.

Intended outcome: initial endorsement of submitted CR, in the end agreed CR including updates for meeting agreements. Report.

Deadline: Rapporteur set

DISCUSSION W2 Monday

* Lenovo want to raise H589, scheduling of R17 SIBs also using the legacy method.
* Huawei think this need to be discussed. LG think indeed this shall be possible.

*Chair: to be discussed offline in [023]*

* Ericsson indicate that there are a number of RILs that need to be added.
* [AT118-e][024][NR17] RRC II (Nokia)

Scope: Treat [R2-2205434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205434.zip).

Intended outcome: Report, agreeable TPs for merge with rapporteur CR.

Deadline: Rapporteur Set

ASN.1 review Rapporteur CR

[R2-2206084](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206084.zip) ASN1 review general corrections Ericsson CR Rel-17 38.331 17.0.0 3164 - F TEI17

ASN.1 review General

[R2-2205419](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2205419.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205419.zip) On Rel-17 ASN.1 review process Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Late

DISCUSSION W2 Monday

* Chair is considering to flag UE caps as a potential area for NBC changes.
* Apple think that also for UE caps we can ensure BC.
* Intel has not seen critical issues with risk of NBC, think that also R1 open issues can be addressed with normal extensions, from ASN.1 level BC, possibly functional NBC. Chair is mostly worried about R1 restructure of UE caps as happened for Rel16.
* Lenovo generally agree with Nokia think the root cause is the load. Support the proposal how to improve this, e.g. how to improve the quality of the CRs.
* Huawei has similar opinion as Apple and Intel, think that due to R16 R1 and R4 are now a bit more careful. Cannot predict NBC for now. Agree some observations from Nokia.
* Nokia has also not seen concrete issues for Rel-17, but think still the risk is high, so we don’t need to freeze. Agree with Lenovo that the root cause is load. Still think we can do. Chair would be supportive to do a template plan to apply to future releases.
* Ericsson indeed think the time schedule was an issue. 2 days for the ASN.1 ad-hoc was too short. There was 35 CRs to implement, which was a lot.
* Vivo think we should discussion freeze et at TSG RAN. Think that bar for NBC would be high after freeze.
* QC think both ASN.1 and functional NBC are important. We didn’t follow the original plan, and RAN1 are still updating the parameters etc.
* Huawei think we should have two proper meetings in the quarter of the freeze. Chair is not sure this works.

Chair: Can work on a template plan for how the conclusion of a release should be planned in RAN2, and identify the critical parts of the plan (not at current meeting).

Chair: On whether to freeze Rel-17 ASN.1 or not, Chair will include parts of this discussion in the RAN2 report to TSG RAN. Cannot see strong arguments to block the freeze.

R2-2205969 NR Rel-17 ASN1 review file Ericsson discussion Rel-17 TEI17 Late

R2-2205970 NR Re-17 RIL list Ericsson discussion Rel-17 TEI17 Late

R2-2205971 NR Rel-17 Class0 issues Ericsson discussion Rel-17 TEI17 Late

General issues

Offline

[R2-2206085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206085.zip) RIL list General ASN1 issues Ericsson discussion Rel-17 TEI17

[R2-2205434](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205434.zip) [N104] Survey of Rel-17 Need S fields Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Late

Specific issues

Offline

* [AT118-e][025][NR17] RRC issues (Huawei)

Scope: Treat [R2-2205397](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205397.zip), [R2-2205196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205196.zip), [R2-2205684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205684.zip), [R2-2206131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206131.zip), [R2-2205015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205015.zip). Determine agreeable parts, for agreeable parts make agreeable TPs for merge with Rapporteur CR. If modifications from [R2-2205015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205015.zip) are needed also for Rel-16, this need to be a separate CR.

Intended outcome: Report, agreeable TPs for merge with rapporteur CR, agreeable CR(s) if applicable.

Deadline: Schedule 1

Search space switch + PDCCH skip

[R2-2205397](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205397.zip) Discussion on PDCCH adaptation IEs (related to N128/Z054/Z055) Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205196](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205196.zip) Discussion on RIL issue E133 Ericsson discussion Rel-17 NR\_ext\_to\_71GHz-Core Late

Ul-AccessConfigListDCI

[R2-2205684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205684.zip) Discussion on ul-AccessConfigListDCI (RIL A402, A405) Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core, NR\_ext\_to\_71GHz-Core

TDRA

[R2-2206131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206131.zip) PDSCH and PUSCH TDRA configuration (RIL: Q300, E057) Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_cov\_enh-Core

SL related

[R2-2205015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205015.zip) [H634] Correction for the need code and conditions for optional fields in PC5 RRC message Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3032 - F NR\_SL\_enh-Core, NR\_SL\_relay-Core

Chair: was discussed at ASN1 adhoc, maybe for Rel-16

Other

[R2-2204986](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204986.zip) [H585] Correction for new IE for TimeAlignmentTimer Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3024 - F NR\_pos\_enh-Core, NR\_SmallData\_INACTIVE-Core

Chair: Was already agreed in ASN1 ad-hoc, can just be taken into Acct by CR rapporteur

[R2-2205002](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205002.zip) [H581][Z141][M607] Correction for pre-configured MG for POS Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3029 - F NR\_pos\_enh-Core, NR\_MG\_enh-Core

Chair: Was already agreed in ASN1 ad-hoc, can just be taken into Acct by CR rapporteur

Moved late

[R2-2205392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205392.zip) [N129] Corrections to FR2 UL gaps Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core Late

Moved from 6.24

Withdrawn

R2-2205433 [N108] IE structures for L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Late

### 6.0.2 UE capabilities

Feature lists from other groups and UE cap Mega CRs will be treated under this AI, except for NR\_ext\_to\_71GHz-Core and NR\_pos\_enh-Core for which all UE caps are treated under WI specific AI. Specific issues may be reallocated to WI-specific AIs.

* [AT118-e][026][NR17] UE caps main (Intel)

Scope: Treat [R2-2204838](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204838.zip), [R2-2204839](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204839.zip), R2-2005657, R2-2005658. Treat incoming LSes. Merge agreed WI specific draft CRs.

Intended outcome: In the end agreed Mega CRs, Intermediate outcomes spec by Rapporteur.

Deadline: Rapporteur Set

New LS in

Take into account immediately in offline discussion(s)

[R2-2206440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206440.zip) LS on Rel-17 RAN4 UE feature list for NR (R4-2210437; contact: CMCC)

[R2-2206472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206472.zip) LS on updated Rel-17 RAN1 UE features list for NR (R1-2205328; contact: NTT DOCOMO, AT&T)

[R2-2206474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206474.zip) Reply LS on updated Rel-17 RAN1 UE features list for NR (R1-2205341; contact: vivo)

LS in

[R2-2204427](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204427.zip) LS on updated Rel-17 RAN1 UE features list for NR (R1-2202927; contact: NTT DOCOMO, AT&T)) RAN1 LS in Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_SL\_enh, NR\_DSS, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_UE\_pow\_sav\_enh, NR\_MBS, LTE\_NR\_DC\_enh2, NR\_IAB\_enh, NR\_SmallData\_INACTIVE, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_pos\_enh, NR\_cov\_enh, NR\_redcap To:RAN2, RAN4

[R2-2204471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204471.zip) LS on Rel-17 RAN4 UE feature list for NR (R4-2206572; contact: CMCC) RAN4 LS in Rel-17 To:RAN1 Cc:RAN1

Mega CRs

[R2-2204838](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204838.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.306) Intel Corporation CR Rel-17 38.306 17.0.0 0703 - 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, TEI17, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core

[R2-2204839](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204839.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.331) Intel Corporation CR Rel-17 38.331 17.0.0 2998 - 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, TEI17, LTE\_NR\_DC\_enh2-Core, NR\_slice-Core, NR\_RF\_FR2\_req\_enh2-Core

Specific Items

[R2-2205657](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205657.zip) Introduction of FR2 UL gap UE capability Apple, Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 B NR\_RF\_FR2\_req\_enh2

[R2-2205658](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205658.zip) Introduction of FR2 UL gap UE capability Apple, Huawei, HiSilicon draftCR Rel-17 38.306 17.0.0 B NR\_RF\_FR2\_req\_enh2

### 6.0.3 Gaps Coordination

Tdoc limitation: 1

This AI is complementary to other AIs.

* [AT118-e][027][NR17] Gap Coordination (MediaTek)

Scope: Treat [R2-2205290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205290.zip), [R2-2205768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205768.zip), [R2-2206011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206011.zip) and other relevant input if any.

Intended outcome: Report (expect to progress TPs W2 if applicable).

Deadline: W1 Friday (online CB W2 Monday if needed).

[R2-2205290](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205290.zip) Discussion on gap priority Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

[R2-2205768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205768.zip) Consideration on gap priorities ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core, NR\_NTN\_solutions-Core, LTE\_NR\_MUSIM-Core, NR\_pos\_enh-Core

[R2-2206011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206011.zip) Gaps coordination Ericsson discussion Rel-17

### 6.0.4 Other

E.g. cross WI coordination on MAC CEs.

* [AT118-e][028][NR17] Priority of MAC CEs (LGE)

Scope: Treat [R2-2204887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204887.zip), [R2-2205261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205261.zip), [R2-2206038](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206038.zip). Ph1 Determine agreeable parts. Ph2 For agreeable parts progress and agree a CR.

Intended outcome: Report, Agreed CR (if applicable)

Deadline: Schedule 1 (CB W2 if needed)

[R2-2204887](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204887.zip) LCP priority of MAC CEs LG Electronics Inc. discussion Rel-17 TEI17

[R2-2205261](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205261.zip) Discussion on LCP Priority of Rel-17 MAC CEs vivo discussion Rel-17 NR\_feMIMO-Core, NR\_IAB\_enh-Core, NR\_pos\_enh-Core, NR\_NTN\_enh-Core

[R2-2206038](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206038.zip) Cross WI coordination on LCP prioritization for UL MAC Ces Huawei, HiSilicon discussion Rel-17 Late

Not available

R2-2205853 Discussion on RAN2 signalling alternatives Ericsson discussion Late

## 6.1 NR Multicast

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

Tdoc Limitation: 8 tdocs

WI has been declared 100% complete

### 6.1.1 General

#### 6.1.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

New LS in

Take into account immediately in offline discussions

[R2-2206473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206473.zip) LS on NR MBS TP for TS 38.300 (R1-2205336; contact: Huawei)

LS in

[R2-2204497](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204497.zip) LS on further outstanding issues in TS 23.247 (R3-222867; contact: Ericsson) RAN3 LS in Rel-17 NR\_MBS-Core, 5MBS To:SA2, RAN2

* noted

[R2-2204517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204517.zip) Reply LS on maximum number of MBS sessions that can be associated to a PDU session (S2-2203050; contact: Ericsson) SA2 LS in Rel-17 5MBS To:CT1, RAN2, SA6 Cc:RAN3, SA4

* noted

[R2-2206338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206338.zip) Response LS on maximum number of MBS sessions that can be associated to a PDU session (S4-220567; contact: Ericsson) SA4 LS in Rel-17 5MBUSA, 5MBS To:SA2, CT1 Cc:SA6, RAN2

* noted

[R2-2204456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204456.zip) Reply LS on Multicast paging with TMGI (S3-220537; contact: Huawei) SA3 LS in Rel-17 5MBS To:SA2 Cc:RAN2

* noted

[R2-2204511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204511.zip) LS on parameters preconfigured in the UE to receive MBS service (CP-220398; contact: Qualcomm) CT LS in Rel-17 5MBS To:SA2 Cc:CT1, CT4, SA4, RAN2, CT6

* noted

#### 6.1.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

[R2-2206120](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206120.zip) Rapporteur proposed resolutions for MBS related RIL issues Huawei, HiSilicon other Rel-17 NR\_MBS-Core

* Confirm propAgreed/propModify and propReject RIL statuses as used to indicate what is expected to be treated/not treated at meeting

[R2-2205938](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205938.zip) MBS corrections for TS 38.331 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3138 - F NR\_MBS-Core Late

* QC think as baseline this is ok.
* Use as baseline

### 6.1.3 Corrections

Information: Known correction that may be needed: FFS whether CSI-mask for multicast OnDuration is needed; For Unicast DCP monitoring/WUS configured when Multicast DRX is configured, CSI reporting, SRS impact, and whether some restriction need to be captured is FFS; On HFN < 0, R2 assumes it is up to network implementation to ensure that HFN part of RX\_DELIV should be a positive value (TS impact if any is FFS, e.g. a NOTE in RRC or PDCP)

#### 6.1.3.1 Control Plane

* [AT118-e][029][MBS] CP Broadcast (Huawei)

Scope: Treat [R2-2204604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204604.zip), [R2-2204605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204605.zip), [R2-2205112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205112.zip), [R2-2205462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205462.zip), [R2-2205747](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205747.zip), [R2-2206091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206091.zip), [R2-2206108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206108.zip), [R2-2204608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204608.zip), [R2-2204682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204682.zip), [R2-2205174](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205174.zip), [R2-2205215](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205215.zip), [R2-2205671](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205671.zip), [R2-2204607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204607.zip), [R2-2204606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204606.zip), [R2-2204829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204829.zip), [R2-2205539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205539.zip), [R2-2205744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205744.zip), [R2-2205458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205458.zip), [R2-2204681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204681.zip), [R2-2205111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205111.zip), [R2-2206159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206159.zip), [R2-2206122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206122.zip), [R2-2205712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205712.zip),

1. Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), After on-line: 2.1 LS to RAN1 acc to on-line agreements, 2.2 Agree offline agreeable parts of remaining proposals.

Intended outcome: Report, approved LS out.

Deadline: For online CB W1 Friday, W2 Thursday

[R2-2206423](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206423.zip) Summary of offline discussion: [AT118-e][029][MBS] CP Broadcast (Huawei) Huawei, HiSilicon

P2

* Xiaomi wonder if SIB21 has to be provided. Huawei think yes, and it is an indication that gNB is capable to understand MII. Huawei think we agree this in the past that we don’t ghave an enabler for MII except the SIB21.

P3

* Ericsson wonder then some details. Huawei think we can clarify in P3 that this applies also if SIB20 si provided in dedicated signalling
* OPPO wonder about the time order, think MII will be provided first, before Scell is configured to the UE and before SIB20 is provided. Apple has same view as OPPO.
* Huawei think that MII can be provided multiple times.
* LGE wonder why the condition about SIB20 and TMGI, sufficient to have condition to MII.
* Huawei think TMGIs are not always available, i.e. when the service is ongoing. Huawei think the condition is just a natural consequence.
* Chair: so maybe TMGI is not needed in the condition, but will just be optionally provided when avaialble to the UE. Samsung think wed have the condition.
* Vivo are ok with all the proposals, but think most can be left to UE impl, and we need to impact to TS. HW think current TS is clear, can consider clarification in the description parts.
* CATT wonder if P3 will work. If SIB20 is not provided by pcell pcell cannot understand tmgi. Huawei think this is the same gNB so it can be understood

P8

* OPPO wonder if this also impact the MAC TS, Huawei also think that this is better in MAC,
* Xiaomi think that for the 2nd part the UE is not required to read MIB from Scell.
* Ericsson think that the UE can monitor SFN of Pcell and apply an offset etc. no need for Constantly, is thinking a configured offset.
* Lenovo wonder if the UE need to read the MIB of Scell at all, is this by dedicated signalling.
* OPPO think anyway that the UE will know the timing of the Scell, to calculate MCCH windows etc as well. OPPO think think that SFN is acquired by reading MIB of Scell and this is up to UE impl. Nokia agrees with OPPO, there is no point of providing the offset, UE anyway need to ream MIB for MCCH etc. ZTE and LGe agrees. QC Agrees

P9

* QC think there is a FFS on window duration. HW think there is no such FFS, right now duration = periodicity. QC think R1 didn’t agree this explicitly, left to Ran2. QC think that duration is good for TDM and power saving. HW think this was resolved. Chair: No support to continue for now to continue discuss the window duration (can CB if there is wider support).
* OPPO wonder what is the principle in which TS to capture. Huawei think there is no principle.

P18

* Ericsson wonder how this relates to Scell capabilities, think that UE can receive on multiple SCells. Further clarifications would be good. In any case the MII signalling and UE cap are not aligned.

Other proposals

P7

* Huawei allocated this to other proposals as this could be up to network impl .. Chair: continue offline
* P1: Capture in the specifications that a UE may initiate MII after handover completion. FFS how this is captured (proposal to be made by the RRC CR rapporteur).
* P2: UE can include, in MBS Interest Indication, the frequency provided in USD even if this frequency is not provided in SIB21.
* P3: Clarify in specifications that if *SIB20* for SCell is provided (by dedicated signalling), UE is allowed to initiate the transmission of MII message and include TMGIs when setting the contents of MII, under the condition that the UE’s PCell is providing *SIB21*. (detailed wording of the condition FFS).
* P6: Clarify in specifications that MCCH should be received from the cell upon reception of sCellSIB20. Exact wording to be discussed later.
* P8: Clarify in specifications that DRX control is always based on the SFN of the cell where the MBS broadcast service is provided [MAC TS]. (UE anyway read MIB of Scell to maintain knowledge of timing)
* P9: We keep in 38331, the principles of mapping between MTCH PDCCH occasions and SSBs.
* P10: Attempt to clarify the description of section “5.9.1.3 MCCH information validity and notification of changes” during the next rapporteur CR update.
* P14: It is up to UE implementation how to perform broadcast MRB modification. An attempt to capture such clarification/note can be done in the next rapporteur CR update.
* P16: Apply the TP proposed in R2-2206121 on rate matching resource patterns (text can be further improved if needed). Inform RAN1 about the assumption made by RAN2.
* P17: Apply the TP proposed in R2-2206122 on CORESET configuration. Inform RAN1 about the assumption made by RAN2
* P18: Confirm that:

FFS: maxFreqMBS-r17 = 16

maxNrofMRB-Broadcast-r17 = 4

* P19: In TS 38.304. change :”1) The cell reselected by the UE due to frequency prioritization for MBS is providing SIB20;” to “1) SIB1 scheduling information of the cell reselected by the UE due to frequency prioritization for MBS contains SIB20”;

Chair: Attempt converge on and decide the rest of the proposals offline

38331

Broadcast - MII

[R2-2204604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204604.zip) [RIL-O400]-MII reporting after Handover OPPO discussion Rel-17 NR\_MBS-Core

[R2-2204605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204605.zip) [RIL-O400]-38331CR-MII reporting after handover OPPO CR Rel-17 38.331 17.0.0 2978 - F NR\_MBS-Core

[R2-2205112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205112.zip) Frequency of interest in MBS Interest Indication Kyocera discussion Rel-17 R2-2202909

[R2-2205462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205462.zip) [O406], [H006] MII Reporting Samsung R&D Institute India discussion Rel-17 38.331

[R2-2205747](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205747.zip) MBS Interested Indication Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2206091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206091.zip) [H006]Discussion on MII for MBS broadcast reception on SCell Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2206108](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206108.zip) Discussion on MBS Interest Indication TCL Communication Ltd. discussion

Broadcast – Reception on Scell

[R2-2204608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204608.zip) [RIL-O406] Discussion on broadcast reception over Scell OPPO discussion Rel-17 NR\_MBS-Core Revised

[R2-2204682](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204682.zip) [C009][C010] On broadcast reception on SCell CATT discussion Rel-17 38.331 NR\_MBS-Core

[R2-2205174](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205174.zip) Discussion on broadcast reception over SCell OPPO Beijing discussion Rel-17 NR\_MBS-Core [R2-2204608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204608.zip)

[R2-2205215](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205215.zip) RIL406: Configuration restriction for broadcast reception on SCell OPPO Beijing CR Rel-17 38.331 17.0.0 3056 - F NR\_MBS-Core

[R2-2205671](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205671.zip) Broadcast MBS reception on SCell (RIL A021) Apple discussion Rel-17 NR\_MBS-Core

Broadcast - MTCH

[R2-2204607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204607.zip) [RIL-O404]-38331CR-MTCH reception in beam sweeping OPPO CR Rel-17 38.331 17.0.0 2979 - F NR\_MBS-Core

[R2-2204606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204606.zip) [RIL-O404]-38321CR-MTCH reception in beam sweeping OPPO CR Rel-17 38.321 17.0.0 1224 - F NR\_MBS-Core

Broadcast - MCCH

[R2-2204829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204829.zip) [V530]-[V532] Correction on MCCH Acquisition vivo discussion Rel-17 NR\_MBS-Core

[R2-2205539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205539.zip) [I201] MCCH modification period and notification Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2205744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205744.zip) Broadcast session start and MCCH Ericsson discussion Rel-17 NR\_MBS-Core

Broadcast - Misc

[R2-2205458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205458.zip) RIL(X305) Discussion on the number of MRBs mapped to a MBS session Xiaomi Communications discussion Rel-17 NR\_MBS-Core

[R2-2204681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204681.zip) [C003] Discussion on UE behavior for Broadcast MRB Modification CATT, CBN discussion Rel-17 38.331 NR\_MBS-Core

[R2-2205111](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205111.zip) Clarification of “providing SIB20” in TS38.304 Kyocera discussion Rel-17

[R2-2206159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206159.zip) SIB20 signalling issues including optionality for cfr-ConfigMCCH-MTCH-r17 Qualcomm Incorporated discussion Rel-17 NR\_MBS-Core

* Huawei think this can be ok. But some more changes are needed in the field descriptions.
* Agreed (but some further modifications are needed)

[R2-2206122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206122.zip) Discussion on configuration of additional common CORESET for MBS broadcast in RRC Connected mode (RIL: H009) Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2205712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205712.zip) Discussion on MRB Configuration Samsung discussion Rel-17 NR\_MBS-Core

* [AT118-e][030][MBS] CP other (CATT)

Scope: Treat [R2-2204669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204669.zip), [R2-2204827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204827.zip), [R2-2205749](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205749.zip), [R2-2204670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204670.zip), [R2-2204828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204828.zip), [R2-2205249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205249.zip), [R2-2205632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205632.zip), [R2-2206123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206123.zip), [R2-2205626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205626.zip), [R2-2206124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206124.zip), [R2-2204830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204830.zip), [R2-2205627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205627.zip), [R2-2204668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204668.zip), [R2-2205745](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205745.zip)

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points),

Intended outcome: Report

Deadline: For online CB W1 Thursday

[R2-2206380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206380.zip) Report of [AT118-e][030][MBS] CP other CATT

DISCUSSION

- ZTE wonder for P12, whether we should have exception for parts reflected

P5

- CATT think this is part of LS question but can be made an assumption

P8

- QC think this doesn’t work. Nokia think this is just left to network impl. Vivo think this is nw impl.

- Huawei think multicast bearers can be suspended, as unicast.

Chair: Not needed, we treat Mcast same as unicast, and it is up to network ho to control / manage the UE

P9

- Clairfication that priority in MII is not just related to unicast but also muiticast. Nokia think this is already in the TS, but maybe the wording in the TS need to be corrected.

* Postpone the discussion on whether INACTIVE UE should forward TMGIs to NAS in the case that RRC has triggered RRC resume procedure, before the NAS impact is confirmed with CT1.
* Send LS to CT1 to confirm the AS-NAS layer interactions for MBS. (Draft LS in R2-2206124, to be separately reviewed).
* Inactive UE may receive a RAN paging using TMGI or CN paging using TMGI.TP in R2-2204827 is not pursued.
* Need code N is used for pagingGroupList
* The following field description is used for the serviceID (similar as in LTE):

serviceId

Uniquely identifies the identity of an MBS service within a PLMN. The field contains octet 3- 5 of the IE Temporary Mobile Group Identity (TMGI) as defined in TS 24.008 [49]. The first octet contains the third octet of the TMGI, the second octet contains the fourth octet of the TMGI and so on.

* It is assumed in R2 (related to LS) Only when UE establishes an SDAP for a TMGI, UE informs the establishment of user plane resources for the TMGI, the corresponding TP in R2-2204828 to be considered.
* Group-Config structure is modified.TP in R2-2206123 is agreed on high level and to be revised for details.
* Confirmation: The conditionalReconfiguration for CHO or CPA is configured regardless of the existence of multicast MRB. No additional spec impact is expected.
* The priority in MII message means the reception of broadcast services is prioritized compared to unicast bearer and also multicast MRB.
* Update the field description of logicalChannelIdentityExt (i.e. for MBS multicast, it is only used for PTM reception). The TP in R2-2204830 is agreed.

Chair: On P9, It is agreeable to confirm that priority in MII is not just related to unicast but also muiticast, but this seems already the general understanding. Can consider TS text enhancements, the particularly worded proposal in P9 not needed.

Chair: also agreeable (but no need to capture negative agreements here) P12: The TP in R2-2205627 is not pursued (some part overlaps with other proposals and may be agreed based on those).

DISCUSSION 2 Continuation W2 TUE

P4

* ZTE think that in [034] there is a related proposal, and concerns were raised
* Chair: ok we briefly also discuss [034] now.

P13

* LGE are ok to clarify but think the examples in the TP is just from mLTE and the first example of DL only carrier is not applicable to NR and need to be removed.
* QC and Samsung and Ericsson think the Note with examples is not needed.
* Ericsson think we need to clarify whether UE can prioritize MBS such that it is not reachable for paging. Chair think we havent agreed to change paging requirements.
* CATT think that we have agreed to have non-MBS freq as lowest priority, but this need further clarification.

P14

* Xiaomi think the Note need no change, the old note is still valid
* For MRB ID change, TP in Annex A of R2-2205249 is adopted as baseline, further modification can be discussed in the CR discussion
* Add to 38304 in 5.2.4.1 a note (the following is the baseline) NOTE: Example scenarios in which the previous down-prioritisation may be needed includes the cases where camping is not possible on the MBS broadcast frequency, while the UE can receive the MBS broadcast service when camping on a subset of the possible cell reselection candidate frequencies, e.g. the MBS broadcast frequency belongs to a PLMN different from UE's registered PLMN.

Multicast - Start

[R2-2204669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204669.zip) [C006] Correction to UE Behavior on Group Paging Handling CATT CR Rel-17 38.331 17.0.0 2991 - F NR\_MBS-Core

[R2-2204827](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204827.zip) [V500] Clarification on Group Paging for INACTIVE UE vivo discussion Rel-17 NR\_MBS-Core

[R2-2205749](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205749.zip) Multicast session start and Paging Ericsson discussion Rel-17 NR\_MBS-Core

Multicast – MRB ID change

[R2-2204670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204670.zip) [C001] Modificaitons towards the MRB ID Change Procedure CATT CR Rel-17 38.331 17.0.0 2992 - F NR\_MBS-Core

[R2-2204828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204828.zip) [V503][V504][V508] Correction on MRB Handling vivo discussion Rel-17 NR\_MBS-Core

[R2-2205249](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205249.zip) [V503][H002] MRB identity change procedural text issue Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core Late

[R2-2205632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205632.zip) [C001, H002, v503, Z609] MRB ID scope and its modification on the fly ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

Multicast – misc

[R2-2206123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206123.zip) Corrections for GroupConfig structure (RIL: H091) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_MBS-Core

[R2-2205626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205626.zip) [H001, H005, Z608, C005] Discussion on multicast MRB and DRB in RRC ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

General

[R2-2206124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206124.zip) Draft LS on AS-NAS layer interactions for MBS Huawei, HiSilicon LS out Rel-17 NR\_MBS-Core

[R2-2204830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204830.zip) [V533] Correction on Logical Channel Setup for PTM Transmission vivo discussion Rel-17 NR\_MBS-Core

[R2-2205627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205627.zip) Miscellaneous correction to TS 38331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 3106 - F NR\_MBS-Core

38304

[R2-2204668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204668.zip) Correction to 38.304 for MBS CATT, CBN CR Rel-17 38.304 17.0.0 0237 - F NR\_MBS-Core

[R2-2205745](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205745.zip) Frequency prioritization Ericsson discussion Rel-17 NR\_MBS-Core

Further Enhancements

[R2-2204555](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204555.zip) MBS reception interruption problem in LTE and SFN in NR MBS TD Tech Ltd discussion

[R2-2204624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204624.zip) NR MBS UAC enhancement aspects Qualcomm Inc discussion Rel-17 NR\_MBS-Core R2-2202875

[R2-2204743](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204743.zip) Discussion on MBS UAC Enhancements Spreadtrum Communications discussion Rel-17

[R2-2205461](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205461.zip) UAC for MBS Samsung R&D Institute India discussion

Withdrawn

R2-2204671 [C003] Specify the UE Behaviour for Broadcast MRB Modification CATT CR Rel-17 38.331 17.0.0 2993 - F NR\_MBS-Core Withdrawn

#### 6.1.3.2 User Plane

MAC

* [AT118-e][031][MBS] MAC (OPPO)

Scope: Part 1. Treat [R2-2205483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205483.zip), [R2-2205129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205129.zip), [R2-2205122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205122.zip), [R2-2204609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204609.zip), [R2-2204833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204833.zip), [R2-2205457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205457.zip), [R2-2205218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205218.zip), [R2-2205437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205437.zip), [R2-2205447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205447.zip), [R2-2205540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205540.zip), [R2-2204667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204667.zip), [R2-2204744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204744.zip), [R2-2204832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204832.zip), [R2-2204969](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204969.zip), [R2-2205156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205156.zip), [R2-2205449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205449.zip), [R2-2205035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205035.zip), [R2-2205154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205154.zip), [R2-2205480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205480.zip), [R2-2204831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204831.zip), [R2-2204834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204834.zip), [R2-2204891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204891.zip), [R2-2204904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204904.zip), [R2-2204905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204905.zip), [R2-2205628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205628.zip), [R2-2205629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205629.zip), [R2-2205673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205673.zip), [R2-2205709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205709.zip), [R2-2205713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205713.zip), [R2-2205128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205128.zip), [R2-2205481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205481.zip), [R2-2205748](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205748.zip)

Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), Part 2, Capture agreements and finalize CR.

Intended outcome: Report, Part 2: CR (agreed) Offline

Deadline: For online CB W1 Friday, CR EOM (ext to post meeting disc if needed).

[R2-2206403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206403.zip) [AT118-e][031][MBS] MAC (OPPO) MAC

DISCUSSION

P1

* LGE doesn’t support. Think csi-masking cannot work for multicast.

P2

* ZTE think the wording shall be updated

P3

* Nokia think the UE Shall report
* LGE doesn’t support
* QC think this is needed and shall be supported. If we don’t agree with this, the IE will become useless. Ericsson agrees with QC.

P4

* ZTE think that this shall be configured per service

P8

* Xiaomi think this is not needed
* HW think DCI can enable disable HARQ feedback, so it is needed.

P9

* LGE doesn’t support, bec PTP retransmission case is not handled. LGE think PTP retransmission with MAC CE can be avoided for problem case but no need for other cases. LGE would like to add text to handle retransmission cases. OPPO think trhose can be handled by Network impl.
* LG can agree if we also state that PTP retransmission case need to be handled
* When allowCSI-SRS-Tx-MulticastDRX-Active and csi-Mask are configured, the UE does not report CSI on PUCCH when both drx-onDurationTimer and drx-onDurationTimerPTM are not running.
* DCP monitoring can be configured together with multicast DRX.
* If allowCSI-SRS-Tx-MulticastDRX-Active is configured, UE shall report CSI/SRS even when the conditions for DCP and unicast DRX in TS 38321 are satisfied, if multicast DRX is in Active Time.
* IE allowCSI-SRS-Tx-MulticastDRX-Active is configured per MAC (no spec change), not configured per multicast DRX.
* If allowCSI-SRS-Tx-MulticastDRX-Active is configured, UE does not report CSI in a DRX group if unicast DRX and all multicast DRXs of the DRX group are not in Active Time.
* If allowCSI-SRS-Tx-MulticastDRX-Active is configured, UE is allowed to report CSI if some of the multicasts are not configured with multicast DRX.
* When MAC PDU or PDCCH for unicast is received, stop both drx-RetransmissionTimerDL and drx-RetransmissionTimerDL-PTM in section 5.7 if multicast DRX is configured.
* Stopping drx-RetransmissionTimerDL always regardless of HARQ feedback enabling. FFS for drx-RetransmissionTimerDL-PTM.
* The changes propsed in [R2-2205156] can be agreed and captured in MAC running CR (as baseline), can discuss further changes, e.g. for PTP retransmission case (for DRX cmd MAC CE).
* The text about new transmision or retransmission handling for HARQ process of MCCH/MTCH reception is captured in 38.321. The following text can be as baseline for phase 2 discussion:

1. if the HARQ process is associated with a transmission indicated with a MCCH-RNTI for MBS broadcast, and this is the first received transmission for the TB according to the MCCH schedule indicated by RRC; or
2. if the HARQ process is associated with a transmission indicated with a G-RNTI for MBS broadcast, and this is the first received transmission for the TB according to the MTCH schedule indicated by RRC or according to the scheduling indicated by DCI as specified in TS 38.214 [7]; or

* The changes about MAC reset proposed in [R2-2205447] are agreed and captured in MAC running CR.
* The changes proposed in [R2-2205483] are agreed and captured in MAC running CR.

[R2-2206556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206556.zip) [AT118-e][031][MBS] MAC (OPPO) OPPO

DISCUSSION W2 THU

P1

- ZTE, Nokia, QC think O2 is cleaner.

- HW think the conditions to report CSI is easier handled in a single section. OPPO think O2 requires some association text between 5.7 and 5.7b to determine when to repot CSI.

- Samsung agrees that SRS and CSI need to be duplicated for multicast, so think the O1 structure is better.

- LGE think separate section usually is cleaner, but think that here we need to specify the UE shall not … etc, and with this reasoning, O2 will not become clean, prefer O1.

P2

- vivo think broadcast RNT doesn’t need to be mentioned. OPPO indicate that only vivo has concerns.

- Ericsson think we fix this in the CR phase anyway.

P4

- QC think we should clarify that this is for multicast,

P5

- LS also need update, the problem description is not clear (2nd paragraph). Nokia agrees, we can drop this paragraph.

P6

- LGE think O1 says that retransmission of DRX cmd MAC CE is only for PTM, LGE think it should be also for unicast.

- Samsung think RNTI identifies the purpose of the DRX cmd MAC CE, and for retransmissions by unicast, C-RNTI may be used. Think O1 is sufficient. Intel also support O1.

- Huawei think we nearly agreed O2, think O2 will be a clear solution, where we can handled multicast and unicast DRX separately.

- Nokia think O2 is unacceptable, Ericsson agrees.

* P1: Go with the O1 structure, Capture the text on CSI/SRS reporting related to multicast MBS in 5.7
* P2 handled in CR discussion
* P3 is agreed
* P4: MBS SPS for Multicast can be configured on one SCell or PCell.
* P5: Send LS to RAN1.
* P6: Will not define a new LCID for multicast DRX cmd. It is up to gNB implementation to ensure the retransmission of TB containing multicast DRX command MAC CE is via G-RNTI.

[R2-2206624](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206624.zip) MBS SPS configuration on SCell RAN2 (OPPO) LS out

DISCUSSION W2 THU

- Huawei think we don’t need to ask a question at all, just inform on agreement. CATT agrees with Huawei.

- QC think there is an obvious discrepancy so the question makes sense. Intel agrees.

- CATT think that if we ask question then we make P4 an assumption

* Remove 2nd paragraph,
* Change MBS SPS can be configured to MBS SPS for multicast can be configured.
* Update the RAN2 agreement to be the text agreed for P4 above (add or Pcell).
* Remove RAN2 would like to confirm the following question with RAN1 and Q1
* Change action text to: To RAN1:   
  RAN2 respectfully asks RAN1 to take the RAN2 agreement into account, and provide feedback in case RAN1 sees any issues and whether a new FG for it needs to be defined
* With the above changes, the LS is approved in R2-2206648

General

[R2-2205483](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205483.zip) Correction on the figures of MAC structure overview Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1272 - F NR\_MBS-Core

[R2-2205129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205129.zip) Handling of MAC PDU for MBS with Reserved LCID ASUSTeK discussion Rel-17 38.321 NR\_MBS-Core

[R2-2205122](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205122.zip) Clarification on MBS MAC subPDU discard LG Electronics Inc., Nokia, Nokia Shanghai Bell draftCR Rel-17 38.321 17.0.0 F NR\_MBS-Core

Broadcast

[R2-2204609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204609.zip) 38321CR-Corrections on MCCH and MTCH reception OPPO CR Rel-17 38.321 17.0.0 1225 - F NR\_MBS-Core

[R2-2204833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204833.zip) Correction on DL Data Transfer for MBS vivo discussion Rel-17 NR\_MBS-Core

[R2-2205457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205457.zip) Clarification on the HARQ process used for broadcast MBS Xiaomi Communications draftCR Rel-17 38.321 17.0.0 F NR\_MBS-Core

[R2-2205218](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205218.zip) [RIL406]The timing for broadcast DRX and SCell deactivation restriction OPPO Beijing CR Rel-17 38.321 17.0.0 1263 - F NR\_MBS-Core

[R2-2205437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205437.zip) HARQ Process Handling for MBS Broadcast Samsung R&D Institute India discussion Rel-17 38.321

[R2-2205447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205447.zip) MBS Broadcast Retention Samsung R&D Institute India discussion Rel-17 38.321

Multicast

[R2-2205540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205540.zip) Remaining MBS user plane open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2204667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204667.zip) Consideration on MAC Remaining Issues of MBS CATT discussion Rel-17 38.323 NR\_MBS-Core

[R2-2204744](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204744.zip) Corrections on MBS Spreadtrum Communications discussion Rel-17

[R2-2204832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204832.zip) Discussion on the Coexistence of DCP and Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

[R2-2204969](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204969.zip) Remaining issues on MBS user plane Lenovo discussion Rel-17

[R2-2205156](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205156.zip) DCP monitoring/WUS and MBS DRX and miscellaneous corrections to DRX Nokia, Nokia Shanghai Bell discussion Rel-17 38.321 NR\_MBS-Core

[R2-2205449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205449.zip) WUS and DCP monitoring for MBS Multicast Samsung R&D Institute India discussion Rel-17 38.321

[R2-2205035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205035.zip) Discussion on CSI and SRS reporting issues CMCC discussion Rel-17 NR\_MBS-Core

[R2-2205154](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205154.zip) CSI Mask for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

[R2-2205480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205480.zip) Remaining issues on CSI reporting for multicast Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2204831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204831.zip) Discussion on CSI-mask Configuration with Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

[R2-2204834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204834.zip) Correction on Multicast DRX vivo discussion Rel-17 NR\_MBS-Core

[R2-2204891](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204891.zip) Discussion on the impact of CSI and SRS due to multicast DRX NEC Europe Ltd discussion Rel-17 NR\_MBS-Core

[R2-2204904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204904.zip) The timing for broadcast DRX and editorial corrections for multicast DRX OPPO CR Rel-17 38.321 17.0.0 1241 - F NR\_MBS-Core

[R2-2204905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204905.zip) Corrections on CSI-mask and DCP coexistence for multicast DRX MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2205628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205628.zip) CSI and SRS reporting in MBS DRX ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

[R2-2205629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205629.zip) Correction on CSI and SRS reporting for multicast DRX to 38321 ZTE, Sanechips CR Rel-17 38.321 17.0.0 1276 - F NR\_MBS-Core

[R2-2205673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205673.zip) Leftover issues on multicast DRX mechanism Apple discussion Rel-17 NR\_MBS-Core

[R2-2205709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205709.zip) Discussion on CSI reporting due to multicast DRX LG Electronics Inc. discussion Rel-17 NR\_MBS-Core

[R2-2205713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205713.zip) Remaining Issues on Multicast DRX Samsung discussion Rel-17 NR\_MBS-Core

[R2-2205128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205128.zip) Discussion on unicast retransmission for MBS transmission ASUSTeK discussion Rel-17 38.321 NR\_MBS-Core

[R2-2205481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205481.zip) Clarification on DRX timers for multicast Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2205748](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205748.zip) Multicast and CSI, SRS and DCP Ericsson discussion Rel-17 NR\_MBS-Core

PDCP

* [AT118-e][032][MBS] PDCP (Xiaomi)

Scope: part 1 Treat [R2-2204626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204626.zip), [R2-2204683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204683.zip), [R2-2204906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204906.zip), [R2-2205714](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205714.zip), [R2-2205630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205630.zip), [R2-2205479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205479.zip), [R2-2205155](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205155.zip), [R2-2205454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205454.zip), Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), part 2 progress CR including Rapporteur Resolutions (R2-2205455), corrections and including agreements from current meeting (can be phased)

Intended outcome: part 1 Report, Part 2 CR

Deadline: part1 CB W1 Thu, part 2 Deadlines set by rapporteur, Final review can be by post meeting disc

R2-2206353 [AT118-e][032][MBS] PDCP (Xiaomi) Xiaomi

DISCUSSION W1

* Huawei think option 2 was discussed and it is difficult for GNB to set this, and results in packet loss. Option 1 is aligned with current, simpler and better. QC agrees.
* Samsung think the problem is that Option 2 is the simplest way. Think there is an issue with RX-NEXT with option 1. Conseq that some packets may be lost.
* LGE think this problem will not occur if the gNB will give the proper value of HFN. Think that option 2 is then the cleanest and clearest way. Option 1 will require further dissucssion to be fully clear. Ericsson Nokia CATT Intel support option 2.
* Go for Option 2

R2-2206587 Part 2 summary of [AT118-e][032][MBS] PDCP (Xiaomi) Xiaomi

DISCUSSION W2 THU

P6

* Xiaomi think we set to 0. HW think both works, setting to zero is simple. LGE agrees, Intel agrees.
* MTK think that RX\_Next shall not be smaller than RX\_deliv. Xiaomi think this is not required, if following the proc text there is no issue, RX\_Next will be immediately updated on reception.
* set initial RX\_NEXT to 0

Chair: confirm other P offline

[R2-2204626](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204626.zip) R17 MBS UP remaining issues Qualcomm India Pvt Ltd discussion Rel-17 NR\_MBS-Core

[R2-2204683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204683.zip) Consideration on PDCP Remaining Issues of MBS CATT discussion Rel-17 38.323 NR\_MBS-Core

[R2-2204906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204906.zip) Discussion on HFN negative value for multicast MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2205714](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205714.zip) Correction of PDCP for MBS Samsung discussion Rel-17 NR\_MBS-Core

[R2-2205630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205630.zip) Remaining issues in PDCP layer for NR MBS ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

[R2-2205479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205479.zip) Further discussion on how to prevent negative HFN Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2205155](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205155.zip) Setting of RX\_DELIV for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

[R2-2205454](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205454.zip) Discussion on the HFN issue for multicast Xiaomi Communications discussion Rel-17 NR\_MBS-Core

CR

[R2-2205455](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205455.zip) Miscellaneous corrections for MBS 38.323 Xiaomi Communications CR Rel-17 38.323 17.0.0 0090 - F NR\_MBS-Core

Moved here from 6.1.1.3

* LGE think there are many comments for these proposals.

Offline

### 6.1.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

* [AT118-e][033][MBS] UE capabilites (MediaTek)

Scope: Part 1 Treat [R2-2204625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204625.zip), [R2-2204907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204907.zip), [R2-2205541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205541.zip), [R2-2205746](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205746.zip), [R2-2205750](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205750.zip), [R2-2205855](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205855.zip), [R2-2205939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205939.zip), [R2-2206114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206114.zip). Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), Part 2, draft CRs (for merge w mega CRs)

Intended outcome: Report, endorsed Draft CRs (for merge)

Deadline: Part 1 CB W1 Thu, CB W2 Tue, Part 2: EOM (no post disc)

[R2-2206405](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206405.zip) [AT118-e][033][MBS] UE capabilities (MediaTek) MediaTek

DISCUSSION

P1

* QC think 15 is too high. 8 is better. Ericsson wonder whether this is just for Bcast, What about UEs that re both Mcast and Bcast. QC think Mcast and Bcast need to be separate.
* Intel think this is for Bcast MRB, not for UE. QC think this would be complex for the UE.
* Nokia think that the network cannot take this capability into account if ot is per UE.
* Lenovo think this is a general issue ..

*Chair: P1: 8 per UE seems an acceptable min capability. FFS whether to / how to phrase this to make it usable to the network (per MRB?).*

P4

* Huawei think we may need to specify a UE capability in any case. Huawei think MII would be used in this case.
* QC think this capability is needed. QC thought the network should know this.
* Ericsson think that the network would not know what to do.
* MTK agrees that this does not need network support, no MII signalling, or other signalling. May bring lots of new discussion.
* LGE think this capability is as for LTE, think that the network should configure a Scell for the UE.
* Chair: think there might be some confusion about what is allowed to be indicated in the MII.
* Nokia wonder what is the intention whith this capability.

Chair think the following is a source of confusion:

1. Assumption: A UE that need support (or may need support) from the network to receive Bcast in connected is assumed to use MII, and for such reception we assume there are UE cap.
2. Assumption: There may be UEs that need no support from the network to receive Bcast in connected and will not use the MII, and for such reception there is no need for UE caps.

* Huawei think we are discussing Assumption 1, i.e. that the network need to refrain from using certain configuration for connected mode configuration to allow UE to receive Bcast. e.g. that non-serving cell reception can only work for certain Band-combination configurations in connected.
* MTK think then the discussion may become difficult, Our previous assumption was that for R17, UEs with separate MBS receiver can receive MBS on non-serving cell, i.e. that we only support non-serving cell Bcast reception following assumption 2.

Chair: P4: continue discussion. Now there is a lot of support for the Huawei view, so lets continue the discussion along those lines, to see if something sufficiently simple can be found. it seems we need to both discuss Cap and MII. If too complex, we can revert to that Bcast reception on non-serving cell is only support acc to assumption 2 above.

P5

* QC think this is not related to P4. Agree with it.

P6

* Intel think we should just impl based on R1 feature list. Indicate that there is still some R1 FFS.
* ROHC with profiles 0x0000, 0x0001, 0x0002 is mandatory for UEs supporting MBS broadcast. Delete the editor’s note in 38.331 CR for FFS.
* The minimum number of MRBs is set to 4 for MBS broadcast UEs as the mandatory capability without signaling.
* Introduce the UE capability for MBS broadcast reception as an optional feature without capability signalling and add to chapter 5 in 38.306 (can be revisited if needed based on P4).

R2-2206580 Summary of Part 2 [AT118-e][033][MBS] UE capabilities MediaTek Inc.

DISCUSSION W2 WED

* QC think we should go further, make use of UE cap and MII,
* Huawei think we need to impact the TS anyway, has a compromise proposal to support both kind of UEs.
* Ericsson don’t understand how this can work, we would need further information and consider this.
* CATT agree with QC and Huawei tht this is necessary. Think that this is about CA band combinations. Think NR and LTE situation are the same. Think we can adopt the LTE mechanism.
* For Reception of non-serving cell: No UE cap / no MII (capture this in Stage-2, 331 impact FFS)

[R2-2204625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204625.zip) R17 MBS UE capabilities Qualcomm India Pvt Ltd discussion Rel-17 NR\_MBS-Core

[R2-2204907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204907.zip) Discussion on mandatory ROHC support for MBS broadcast MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2205541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205541.zip) Remaining MBS UE capability open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2205746](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205746.zip) Impact of MBS broadcast on paging and SIBs Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2205750](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205750.zip) UE capabilities for MBS Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2205855](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205855.zip) UE support for ROHC profiles and context sessions Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2205939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205939.zip) Discussion on UE capabilities for MBS Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2206114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206114.zip) UE capability discussion for MBS Xiaomi Communications discussion Rel-17 NR\_MBS-Core

Not Available

R2-2206109 Discussion on R17 MBS UE capability open issues TCL Communication Ltd. discussion Rel-17

### 6.1.5 Other

* [AT118-e][034][MBS] Other (ZTE)

Scope: Treat [R2-2205625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205625.zip), [R2-2205672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205672.zip), [R2-2205482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205482.zip), [R2-2205631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205631.zip), [R2-2205484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205484.zip), [R2-2205456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205456.zip).

1: Collect one round of comments, pave the way for on-line agreement (identify agreeable points, discussion points), 2: Agree agreeable points offline

Intended outcome: Report

Deadline: W2 Wednesday

[R2-2206517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206517.zip) [AT118-e][034][MBS] Other ZTE

DISCUSSION W2 TUE

* ZTE: MRB ID change may lead to packet loss. Why then introduce MRB ID Change?
* LGE agrees with ZTE, think there are also other complications and think the remapping of the MRB and LCID is not supported.
* Qc think we should not reverse. Xiaomi agrees and think in some cases MRB IDs cannot be synchronized, but think we don’t need to optimize for packet loss. ZTE think this is not over-optimizing. CATT think we keep the old agreement.
* Samsung think a note is not needed. Timing is under network control, nothing is needed (similar to QoS flow remapping).
* Huawei don’t understand why there is data loss for this case. Don’t understand why data loss happens, we can just change the MRB ID. LGE think that in any case this doesn’t work as MRB ID LCH ID cannot b e remapped currently. Huawei then think we just modify the condition and allow this reconfiguration. Apple agrees.
* QC think we don’t need the note there is no issue.
* Not enough support for proposed changes (e.g. the note in option1). In case some TS change (e.g. change of condition) is required in order to allow MRB ID reconfiguration (e.g. allow LCH ID mapped to a different MRB ID) such change can be addressed.

38300 related

[R2-2205625](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205625.zip) Miscellaneous correction to TS 38300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0463 - F NR\_MBS-Core

[R2-2205672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205672.zip) Clarification on the support of MBS in MR-DC Apple discussion Rel-17 NR\_MBS-Core

[R2-2205482](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205482.zip) Correction on Stage 2 specs Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0460 - F NR\_MBS-Core

[R2-2205631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205631.zip) [Z606, Z607] Discussion on SDAP for NR MBS ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

37340 related

[R2-2205484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205484.zip) Addition of MBS related clarifications in 37340 Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0318 - F NR\_MBS-Core

[R2-2205456](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205456.zip) Introduction of MBS for MRDC Xiaomi Communications CR Rel-17 37.340 17.0.0 0317 - B NR\_MBS-Core

Further Enhancement

[R2-2204647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204647.zip) R17 MBS power saving enhancement aspect Shanghai Jiao Tong University discussion

[R2-2205338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205338.zip) UE based PTM to PTP switch Sony discussion Rel-17 NR\_MBS-Core R2-2200905

## 6.2 MR DC/CA further enhancements

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

Tdoc Limitation: 8 tdocs

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

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

WI has been declared 100% complete

### 6.2.1 Organizational

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

[R2-2204435](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204435.zip) Reply LS on RAN2 agreements for TRS-based Scell activation (R1-2202706; contact: Huawei) RAN1 LS in Rel-17 LTE\_NR\_DC\_enh2 To:RAN2

[R2-2204479](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204479.zip) LS reply on UE behaviour for deactivated SCG and value range for measCycle (R4-2207019; contact: Ericsson) RAN4 LS in Rel-17 LTE\_NR\_DC\_enh2-Core To:RAN2

[R2-2204493](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204493.zip) Reply LS on CPAC (R3-222754; contact: Lenovo) RAN3 LS in Rel-17 LTE\_NR\_DC\_enh2-Core To:RAN2

[R2-2204546](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204546.zip) Corrections on TS 37.340 for DCCA enhancements ZTE Corporation, Sanechips, CATT CR Rel-17 37.340 17.0.0 0310 - F LTE\_NR\_DC\_enh2-Core

[R2-2205057](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205057.zip) MAC correction on eDCCA vivo CR Rel-17 38.321 17.0.0 1250 - F LTE\_NR\_DC\_enh2-Core

[R2-2205796](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205796.zip) [Z012] Value range for measCyclePSCell Ericsson, ZTE Corporation discussion LTE\_NR\_DC\_enh2-Core

[R2-2205925](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205925.zip) Introduction of further MRDC enhancements Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0362 2 B LTE\_NR\_DC\_enh2-Core R2-2204014

[R2-2205930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205930.zip) Issue list for 36.331 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2205931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205931.zip) Issue list for 38.331 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2205936](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205936.zip) Corrections on further MRDC enhancements Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4813 - F LTE\_NR\_DC\_enh2-Core Late

[R2-2205937](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205937.zip) Corrections on further MRDC enhancements Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3137 - F LTE\_NR\_DC\_enh2-Core Late

R2-2206142 Summary of [Pre118-e][203][DCCA] 38331 36331 CRs and rapporteur resolutions (Huawei) Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

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

Including essential corrections to of SCG activation/deactivation. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204621](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204621.zip) (TP for CR to TS 38.331) Efficient SCG deactivation/activation Qualcomm Incorporated discussion Rel-17

[R2-2204754](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204754.zip) Discussion on SCG activation Spreadtrum Communications discussion Rel-17

[R2-2204909](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204909.zip) Beam failure detection upon SCG deactivation Fujitsu draftCR Rel-17 38.321 17.0.0 F LTE\_NR\_DC\_enh2-Core

[R2-2204910](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204910.zip) [F001] Beam failure detection upon SCG deactivation Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2204956](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204956.zip) MAC related issues upon SCG activation and deactivation Lenovo discussion Rel-17

[R2-2205058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205058.zip) Discussion on MAC remaining issue vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205060](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205060.zip) Discussion on SCG activation/deactivation processing vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205061](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205061.zip) Discussion on PDCP duplication handling while SCG is deactivated vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205062.zip) Discussion on whether cause value is needed in the SCG deactivation preference reporting vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205245](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205245.zip) 37.340 corrections regarding deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.0.0 0314 - F LTE\_NR\_DC\_enh2-Core

[R2-2205246](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205246.zip) 38.331 corrections on deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3058 - F LTE\_NR\_DC\_enh2-Core

[R2-2205247](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205247.zip) Correction to deactivated SCG UL SRB3 handling Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3059 - F LTE\_NR\_DC\_enh2-Core

[R2-2205248](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205248.zip) 38.321 corrections on deactivated SCG Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1264 - F LTE\_NR\_DC\_enh2-Core

[R2-2205259](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205259.zip) Network behaviour at/while SCG deactivation Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205260](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205260.zip) Remaining issues on UL data arrival for SCG Fujitsu discussion Rel-17 LTE\_NR\_DC\_enh2-Core R2-2202282

[R2-2205273](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205273.zip) Remaining issues for BFD indication in deactivated SCG Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205274](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205274.zip) CR on 38.321 for Remaining issues for BFD indication in deactivated SCG Sharp CR Rel-17 38.321 17.0.0 1267 - F LTE\_NR\_DC\_enh2-Core

[R2-2205275](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205275.zip) Remaining issues for configured grant Type 1 in deactivated SCG Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205276](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205276.zip) CR on 38.321 for Remaining issues for configured grant Type 1 in deactivated SCG Sharp CR Rel-17 38.321 17.0.0 1268 - B LTE\_NR\_DC\_enh2-Core

[R2-2205277](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205277.zip) RACH-less SCG activation by SCG activation command with BFD RS change Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205278](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205278.zip) CR on 38.331 for RACH-less SCG activation by SCG activation command with BFD RS change Sharp CR Rel-17 38.331 17.0.0 3062 - F LTE\_NR\_DC\_enh2-Core

[R2-2205279](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205279.zip) CR on 38.321 for RACH-less SCG activation by SCG activation command with BFD RS change Sharp CR Rel-17 38.321 17.0.0 1269 - F LTE\_NR\_DC\_enh2-Core

[R2-2205280](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205280.zip) [J006] Correction of BFD procedure Sharp discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205367](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205367.zip) Corrections on eDCCA vivo CR Rel-17 37.340 17.0.0 0316 - F LTE\_NR\_DC\_enh2-Core

[R2-2205422](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205422.zip) Discussion on Beam Failure Information for Deactivated SCG CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205423](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205423.zip) Discussion on PDCP Duplication for SCG Deactivation CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205424](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205424.zip) Discussion on SCG Activation and Deactivation Indication to Lower Layer CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205797](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205797.zip) [E129] Stop/resume BFD at beam failure for deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2205798](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205798.zip) [E130] Cause values for UAI indicating preference for SCG deactivation Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2205799](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205799.zip) [E131] Handling of UAI for deactivated SCG Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2205800](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205800.zip) [E035] Define the content of TCI-Info Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2205926](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205926.zip) Corrections for SCG (de)activation Huawei, HiSilicon draftCR Rel-17 37.340 17.0.0 F LTE\_NR\_DC\_enh2-Core

[R2-2205928](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205928.zip) Discussion on the Editor notes of SCG(de)activation in 38.321 Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205929.zip) Correction on 38.321 Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1291 - F LTE\_NR\_DC\_enh2-Core

[R2-2205932](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205932.zip) [38.331 - H061] Performing SCG activation/deactivation at the right step Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2205949](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205949.zip) On RACH resources for SCG activation InterDigital discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 6.2.3 Conditional PSCell change / addition

Including essential corrections to of CPAC. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204623.zip) (TP for CR to TS 38.331) Conditional PSCell change/addition Qualcomm Incorporated discussion Rel-17

[R2-2204801](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204801.zip) Discussion RRCReconfiguration for CPC and CHO vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2204802](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204802.zip) Correction on full configuration in TS 37.340 vivo CR Rel-17 37.340 17.0.0 0312 - F LTE\_NR\_DC\_enh2-Core

[R2-2204903](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204903.zip) Clarifications on CPAC procedures NEC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2204957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204957.zip) Miscellaneous corrections to 37.340 CPAC Lenovo discussion Rel-17

[R2-2205164](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205164.zip) Further consideration on CPAC/CHO coexistence ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205165](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205165.zip) Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 37.340 17.0.0 LTE\_NR\_DC\_enh2-Core

[R2-2205166](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205166.zip) Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 LTE\_NR\_DC\_enh2-Core

[R2-2205167](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205167.zip) Clarification on CPAC/CHO coexistence ZTE Corporation, Sanechips draftCR Rel-17 36.331 17.0.0 LTE\_NR\_DC\_enh2-Core

[R2-2205168](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205168.zip) [E022] [V190] Discussion on conditional reconfiguration removal ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205169](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205169.zip) [Z007] Correction to CondReconfigToAddModList ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 LTE\_NR\_DC\_enh2-Core

[R2-2205170](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205170.zip) [Z003] Correction to CondReconfigurationToAddModList ZTE Corporation, Sanechips draftCR Rel-17 36.331 17.0.0 LTE\_NR\_DC\_enh2-Core

[R2-2205171](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205171.zip) [Z003][Z004] Discussion on applicable events for execution conditions ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205426](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205426.zip) Discussion on the Remaining Issues of CPAC CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205444](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205444.zip) Miscellaneous CPAC corrections related to RIL E022, E023, E024 and E029 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205445](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205445.zip) CPA and DAPS handover correction of RIL E050 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205446](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205446.zip) Correction CR for MR-DC Ericsson CR Rel-17 37.340 17.0.0 0320 - F LTE\_NR\_DC\_enh2-Core

[R2-2205485](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205485.zip) [E023] Introduction of UE variable for SN configured conditional Reconfigurations Samsung R&D Institute UK discussion

[R2-2205524](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205524.zip) Resolving incomplete CPAC issues Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205525](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205525.zip) Rel-17 CPAC corrections to 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3098 - F LTE\_NR\_DC\_enh2-Core

[R2-2205526](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205526.zip) Rel-17 CPAC corrections to 36.331 Nokia, Nokia Shanghai Bell CR Rel-17 36.331 17.0.0 4801 - F LTE\_NR\_DC\_enh2-Core

[R2-2205527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205527.zip) Rel-17 CPAC corrections to 37.340 Nokia, Nokia Shanghai Bell CR Rel-17 37.340 17.0.0 0319 - F LTE\_NR\_DC\_enh2-Core

[R2-2205665](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205665.zip) Introducing target cell ID to CPAC RRC Apple discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205831](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205831.zip) Corrections to 37.340 for CPAC and CHO co-existence InterDigital CR Rel-17 37.340 17.0.0 0321 - F LTE\_NR\_DC\_enh2-Core

[R2-2205927](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205927.zip) Corrections for CPAC Huawei, HiSilicon draftCR Rel-17 37.340 17.0.0 F LTE\_NR\_DC\_enh2-Core

[R2-2206116](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206116.zip) Miscellaneous CPAC corrections related to RIL E022, E023, E024 and E029 Ericsson discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2206139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206139.zip) [38.331 - H110] Applicable cell for a conditional reconfiguration Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2206140](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206140.zip) [38.331 - H111] Handling of conditional configurations Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2206141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206141.zip) [38.331 - H067] Update of candidate target cell and configuration Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 6.2.4 Temporary RS for SCell activation

Including essential corrections to of temporary RS for SCell activation. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204610.zip) [RIL-O405]-38331CR Corrections on TRS based SCell activation OPPO CR Rel-17 38.331 17.0.0 2980 - F LTE\_NR\_DC\_enh2-Core

[R2-2204978](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204978.zip) Leftover issues for TRS based SCell activation Samsung discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205059.zip) Discussion on Temporary RS activation for fast SCell activation vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205505.zip) [E067][E068] TRS-based SCell activation Ericsson discussion

### 6.2.5 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to RAN2-specific UE capabilities for SCG activation/deactvation, CPAC and temporary RS for SCell activation. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

[R2-2205425](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205425.zip) Discussion on UE Capability of CPAC CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2205934](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205934.zip) Clarification on inter-SN CPC UE capability Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0729 - F LTE\_NR\_DC\_enh2-Core Late

## 6.3 Multi SIM

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

Tdoc Limitation: 5 tdocs

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

WI has been declared 100% complete

### 6.3.1 Organizational

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

[R2-2204442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204442.zip) LS reply on RAN2 agreements for paging with service indication (S2-2201838 ; contact: vivo) SA2 LS in Rel-17 MUSIM, LTE\_NR\_MUSIM-Core To:RAN2 Cc:CT1, RAN3, SA3

[R2-2204481](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204481.zip) Reply LS on RAN2’s agreement for MUSIM gaps (R4-2207032; contact: vivo) RAN4 LS in Rel-17 LTE\_NR\_MUSIM-Core To:RAN2

[R2-2204542](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204542.zip) Introduction of Multi-USIM devices to 36.304 China Telecommunications CR Rel-17 36.304 17.0.0 0845 - B LTE\_NR\_MUSIM-Core

[R2-2204892](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204892.zip) Correction of NR RRC support for MUSIM vivo(Rapporteur) CR Rel-17 38.331 17.0.0 3014 - F LTE\_NR\_MUSIM-Core Late

[R2-2204893](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204893.zip) Comments on MUSIM NR RRC Editorial class 0 issues vivo(Rapporteur) other Rel-17 LTE\_NR\_MUSIM-Core Late

[R2-2204894](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204894.zip) RIL List comments on MUSIM NR RRC vivo(Rapporteur) other Rel-17 LTE\_NR\_MUSIM-Core Late

[R2-2205848](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205848.zip) Corrections on MUSIM in LTE Samsung Electronics Co., Ltd CR Rel-17 36.331 17.0.0 4808 - F LTE\_NR\_MUSIM-Core Late

[R2-2205854](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205854.zip) Discussion on Editorial class 0 issues and RIL issues for MUSIM in LTE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core Late

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

Including essential corrections to paging collision avoidance and paging with service indication. Proposals that do not provide Stage-3 details will not be treated.

Including discussion on whether something needs to be captured in RAN2 specifications on UE behavior for NAS-based busy indication in RRC\_INACTIVE (which was postponed in RAN2#117e)

[R2-2204617](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204617.zip) Paging cause handling for RRC-INACTIVE Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2204787](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204787.zip) Corrections on Paging Cause for 38.331 [O800] OPPO discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2204788](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204788.zip) Corrections on Paging Cause for 36.331 [O806] OPPO draftCR Rel-17 36.331 17.0.0 F LTE\_NR\_MUSIM-Core

[R2-2204789](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204789.zip) LS on NAS-AS interaction for paging cause OPPO LS out Rel-17 LTE\_NR\_MUSIM-Core To:CT1 Cc:SA2

[R2-2205172](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205172.zip) Discussion on the cross layer indication for paging cause Huawei, HiSilicon discussion Rel-17

[R2-2205173](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205173.zip) UE behaviour for NAS busy indication in RRC\_INACTIVE Huawei, HiSilicon discussion Rel-17

[R2-2205216](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205216.zip) Corrections to TS 38.300 spec for MUSIM Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 LTE\_NR\_MUSIM-Core

[R2-2205336](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205336.zip) Further Consideration on the Inactive State Busy Indication ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205542](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205542.zip) Specifying UE behaviour for Paging cause for RAN based Paging Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205762](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205762.zip) Clarification on UE behavior for NAS-based busy indication in RRC\_INACTIVE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core R2-2202239

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

Including essential corrections to procedures for NW switching for multi-SIM without leaving RRC\_CONNECTED. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204614](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204614.zip) Alternative ASN.1 for MUSIM Gap Configuration Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2204615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204615.zip) Alignment of text for MUSIM gap configuration Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2204895](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204895.zip) Discussion on handling of MUSIM gaps vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2204896](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204896.zip) Discussion on MUSIM gap priority vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205042](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205042.zip) Clarification on MAC behaviour during MUSIM gaps NEC CR Rel-17 38.321 17.0.0 1248 - F LTE\_NR\_MUSIM-Core

[R2-2205120](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205120.zip) Stop using of MUSIM Gap requested to be released Sharp discussion R2-2202770

[R2-2205197](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205197.zip) Corrections to NW switching procedure without leaving RRC\_CONNECTED Huawei, HiSilicon discussion Rel-17

[R2-2205312](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205312.zip) [H083] Corrections to NR RRC for MUSIM Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 LTE\_NR\_MUSIM-Core

[R2-2205322](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205322.zip) Further consideration on the MUSIM gaps ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205652.zip) Additional Issues related to MUSIM Apple discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205755](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205755.zip) Mandatory values for Multi-USIM gap patterns Ericsson discussion

[R2-2205758](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205758.zip) Alignment between RAN2 and RAN4 Multi-USIM gap Ericsson discussion

[R2-2205759](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205759.zip) IE harmonization for MUSIM UAI and gap configuration Ericsson discussion

[R2-2205763](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205763.zip) [S676] Further discussion on handling of musim-GapConfig in RRC\_INACTIVE Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205765](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205765.zip) [S676] Correction on handling of musim-GapConfig in RRC\_INACTIVE\_Opt 1 Samsung Electronics Co., Ltd CR Rel-17 38.331 17.0.0 3115 - F LTE\_NR\_MUSIM-Core

[R2-2205767](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205767.zip) [S676] Correction on handling of musim-GapConfig in RRC\_INACTIVE\_Opt 2 Samsung Electronics Co., Ltd CR Rel-17 38.331 17.0.0 3116 - F LTE\_NR\_MUSIM-Core

[R2-2205772](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205772.zip) [S677] Correction on the IE MUSIM-GapConfig in ASN.1 Samsung Electronics Co., Ltd discussion Rel-17 38.331 LTE\_NR\_MUSIM-Core

[R2-2205964](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205964.zip) Configuration of MUSIM Gaps Qualcomm Incorporated discussion

### 6.3.4 NW switching for multi-SIM with leaving RRC\_CONNECTED

Including essential corrections to procedures for NW switching for multi-SIM with leaving RRC\_CONNECTED. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204618.zip) On remaining issues for UAI related to MUSIM Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2204747](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204747.zip) Remaining issues about UE indication on switching Spreadtrum Communications discussion Rel-17

[R2-2205130](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205130.zip) Interaction between NAS and AS for network switching ASUSTeK discussion Rel-17 38.304 LTE\_NR\_MUSIM-Core

[R2-2205211](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205211.zip) Further clarification on the wait timer for NW switching with leaving RRC\_CONNECTED Huawei, HiSilicon discussion Rel-17

[R2-2205501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205501.zip) [L020] Correction for AS-based leaving when RAN paging in MUSIM LG Electronics Finland discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205729](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205729.zip) Further clarification on the waiting timer for leaving connected state [Z294][O802] ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205757](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205757.zip) Behaviour of wait timer Ericsson discussion

### 6.3.5 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to RAN2-specific UE capabilities for MUSIM. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

[R2-2204616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204616.zip) Editorial corrections for UE capability Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2205547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205547.zip) Need for UE capability for Paging cause for RAN ID based paging Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2205756](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205756.zip) Remaining aspects on UE capabilities for Multi-USIM and other issues Ericsson discussion

## 6.4 NR IAB enhancements

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

Time budget: 0.25 TU (for exception sheet)

Tdoc Limitation: 5 tdocs

### 6.4.1 General

WI completion

* WI is completed from R2 perspective

#### 6.4.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

New LS in

Take into account immediately in offline discussions

[R2-2206469](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206469.zip) Reply LS on eIAB MAC Ces (R1-2205293; contact: Qualcomm)

LS in

[R2-2204446](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204446.zip) LS on upper layers parameters for Rel-17 eIAB (R1-2202737; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh To:RAN2, RAN3 Cc:RAN4

[R2-2204430](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204430.zip) LS on upper layers parameters for Rel-17 eIAB (R1-2202947; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh To:RAN2, RAN3 Cc:RAN4

[R2-2204461](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204461.zip) LS on Rel-17 NR eIAB for TS 38.300 (R1-2202884; contact: Qualcomm) RAN1 LS in Rel-17 NR\_IAB\_enh-Core To:RAN2

[R2-2204460](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204460.zip) Reply LS on range of power control parameters for eIAB (R1-2202877; contact: Samsung) RAN1 LS in Rel-17 To:RAN4 Cc:RAN2

* All 4 LSes noted

LS out

[R2-2205163](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205163.zip) LS on eIAB MAC CEs Samsung R&D Institute UK LS out NR\_IAB\_enh-Core To:RAN1 Cc:RAN4

* Chair wonder if we can simply approve this (ignore that R1 just made some decisions)?
* Huawei think Q5c need to be updated due to agreement.
* Add in the beginning of Q5c info about the R2 agreement to Go for a split RRC / MAC CE approach and keep the rest of Q5c.
* With the change above the LS is approved in R2-2206358

#### 6.4.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

R2-2206346 Summary of [Pre118-e][009][eIAB] 38331 CR and rapporteur resolutions (Ericsson) Ericsson

* Chair proposes that we confirm all the propAgree, propReject and propModify states, in the attached RIL list.
* Huawei think that H044 H045 need to be considered in discussion and they are mow marked propReject
* all the propAgree, propReject and propModify states are confirmed, except H044 H045 which can be discussed

[R2-2205899](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205899.zip) Miscellaneous Rapporteur RRC corrections to IAB Ericsson CR Rel-17 38.331 17.0.0 3134 - F NR\_IAB\_enh-Core

* Ericsson reports that most of the RILs are covered in this CR already.
* Baseline for further update

[R2-2205268](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205268.zip) CR to 38.321 on Integrated Access and Backhaul for NR Rel-17 Samsung R&D Institute UK CR Rel-17 38.321 17.0.0 1266 - B NR\_IAB\_enh-Core

- Samsung explain that this CR includes all MAC CEs except Power adjustment and DSC, acc to status of last discussions.

Chair: part of discussion on way forward

[R2-2204897](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204897.zip) Miscilaneous Corrections to 37340 vivo(Rapporteur) CR Rel-17 37.340 17.0.0 0313 - B NR\_IAB\_enh-Core

[R2-2205253](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205253.zip) Miscellaneous CR for TS 38.340 Huawei, HiSilicon CR Rel-17 38.340 17.0.0 0024 - F NR\_IAB\_enh-Core

Email / Offline Discussions

Discussions should take into account info form other groups when it becomes available

* [AT118-e][063][eIAB] Support of requested MAC CEs (Ericsson, Samsung)

Scope: Based on the agreement to Go for a split RRC / MAC CE approach, Find a good solution (good enough) to support MAC CEs requested by RAN1, starting from baseline in R2-2205895, R2-2205896, R2-2205897. Take into account relevant RAN1 progress when available (LSes, R1 meeting decisions).

Intended outcome: Report, TPs. (merged with the RRC and MAC CRs in the end).

Deadline: Set by Rapporteur, Can CB multiple times.

R2-2206583 Summary of discussion [AT118-e][063][eIAB] Support of requested MAC CEs (Ericsson, Samsung) Samsung, Ericsson

I, ii, iii

* Ericsson are ok with this as a starting point. Ericsson think we will have many serving cell permutations (mt, DU) in MAC CE. Ericsson think this will be difficult to accommodate. Overhead is a concern, maintainability is another concern.
* LGE think proposal ii says that also RRC parameters may need to be by MAC CE. Samsung think proposal ii just acknowledge the R1 request, cannot always assume.
* QC think there will be multiple slotlist with multiple periodicities, can refer to these by index in MAC CE.

iv

* Ericsson think both A and B are ok but wonder about RRC impact of B, only in cell group configuration.
* i: Out of the parameters originally intended by RAN1 to be in MAC CE fields, RRC signaling will only include the list of slots and periodicity.
* ii: RAN2 agrees that we cannot always assume that certain parameters (even periodicity) are common across multiple MAC CEs in all scenarios.
* iii: Each of the applicable RRC configurations comprises a configuration index, to be used as a pointer by MAC CEs to identify relevant RRC configuration for each MAC CE.
* Cell group configuration impact in RRC is reused for both directions.
* iv: Agree Option B
* [AT118-e][064][eIAB] RRC (Ericsson)

Scope: 1. Address the remaining RRC issues from tdocs submitted under AI 6.4 (and below) and RILs (if needed), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the RRC CR, merge all RRC impacts into a single CR (except UE caps).

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

R2-2206570 Summary of [AT118-e][064][eIAB] RRC (Ericsson) Ericsson

DISCUSSION

P7

* LGE think this is discussed also for MAC, and there is no clear majority. Ericsson think the proposal is correctly reflecting the discussion outcome. QC support Ericsson, can decide based on RRC.
* Samsung are also not ok with P7, we need this.

P5

* QC think that this restriction is not needed and the restricted configuration is useful.
* Ericsson think the restriction follows RAN3 decisions.
* Chair think we don’t need to capture all restrictions in RAN2 TS, we can just leave this to RAN3. QC are ok

Chair P5 is not agreed (up to RAN3).

* P1, 2, 3, 4, 6, 8 are agreed

R2-2206347 Miscellaneous Rapporteur RRC corrections to IAB CR Rel-17 38.331 17.0.0 3134 1 F NR\_IAB\_enh-Core

* Huawei still have some wording comments on BAP config, can use this as baseline. Think this can be sorted out offline
* Seems mostly agreeable (only 1 company commenting)
* [AT118-e][065][eIAB] MAC (Samsung)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

R2-2206582 Summary of discussion [AT118-e][065][eIAB] MAC (Samsung) Samsung

DISCUSSION

3a

* Huawei think we can just keep the current text, no change needed. Samsung think if we keep pre-emptive, there will be requests for changes later.

P4

* Ericsson think that using the legacy short BSR is not problematic. Apple agrees.
* LGE think that the legacy short BSR is designed for one UE, and we need the updated short BSR for IAB. LGE think this is a regular BSR and it should be correct.
* The padding BSR procedure using the Extended formats is not modified.
* No contradiction found between 5.4.5 and 6.1.3.1, and no changes are introduced in the description of how to include the BS fields for the case of Long/Extended Truncated BSR.
* Instead of P3a, add “Extended Pre-emptive BSR or”
* P3 is agreed
* RRC: logicalChannelGroup-IAB-Ext-r17: 0 to 255, to support MAC: ext short BSR also for LCG 0..7

R2-2206581 corrections to 38.321 on Integrated Access and Backhaul for NR Rel-17 Rel-17 Samsung R&D Institute UK CR Rel-17 38.321 17.0.0 1300 - F NR\_IAB\_enh-Core

* Endorsed (but additions are still needed).
* [AT118-e][066][eIAB] BAP (Huawei)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed, 2 CR agreement is expected in Post meeting discussion

R2-2206530 Report of [AT118-e][066][eIAB] BAP Huawei, HiSilicon

* P1, P2, P3 P4 are agreed
* [AT118-e][067][eIAB] 38300 (Qualcomm)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed (CB only if needed, attempt offline agreement), 2 CR agreement is expected in Post meeting discussion

* [AT118-e][068][eIAB] 37340 (vivo)

Scope: 1. Address the remaining TS issues from tdocs submitted under AI 6.4 (and below), except those issues addressed in specific discussion. Review collect comments identify agreement points, points for online CB etc. 2. Progress the CR, merge all TS impacts into a single CR.

Intended outcome: Report, CR

Deadline: 1 for CB W2 Wed (CB only if needed, attempt offline agreement), 2 CR agreement is expected in Post meeting discussion

* [AT118-e][069][eIAB] UE caps (Intel)

Scope: Address the corrections / remaining issues from tdocs submitted under AI 6.4.5. 2. Progress UE caps draft CRs (38306, 38331). Identify new impact if any.

Intended outcome: Report (if needed), endorsed draft CRs (for merge with mega CRs

Deadline: CB W2 Wed (if needed), Endorsed Draft CRs ready at EOM

### 6.4.3 Open Issues

Issues listed in exception sheet, see RP-220519

[R2-2205139](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205139.zip) Slot index signalling options and way forward Samsung R&D Institute UK discussion

[R2-2205288](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205288.zip) Discussion on new MAC CEs in the exception sheet LG Electronics Inc. discussion Rel-17 NR\_IAB\_enh-Core

[R2-2205895](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205895.zip) Addressing the new Rel.17 IAB MAC CEs Ericsson discussion NR\_IAB\_enh-Core

DISCUSSION on the three tdocs above, high level - on the way forward

* Nokia think the main issue brought by split proposal is TS complexity and overhead, think that donor CU involvement is an issue with RRC involvement. Will donor CU have all the information? There will be additional delays. Will need to get RAN1 feedback on this. Nokia think that the DU-DU architecture is deliberate from R1 perspective and the reason for MAC CEs being used. QC think that the split approach can work and we have done it before, think we need to go the split approach. Huawei agrees that DU-DU-arch can be supported also if we use RRC.
* QC agrees with Ericsson. Using MAC CEs only is not so good. QC think RAN1 will not have time to look at architecture issue. Think we can inform RAN1 but RAN2 need to design.
* Samsung think RAN1 has made agreements today that reduces the complexity and has already answered a number of question. In the LS there is a question on which parameters can be sent by RRC.
* LG also noted that R1 has made progress. Think RAN2 can discuss and try to agree which parameters can be sent by MAC CE / RRC.
* Samsung think we cannot just split configurations arbitrarily and think the method used need to be confirmed by RAN1.
* Huawei agrees with the Ericsson solution, but wonder when can we finish?
* Go for a split RRC / MAC CE approach

[R2-2205896](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205896.zip) Corrections to IAB MAC CEs design in MAC specification Ericsson CR Rel-17 38.321 17.0.0 1290 - B NR\_IAB\_enh-Core

[R2-2205897](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205897.zip) Corrections to IAB MAC CEs design in RRC specification Ericsson CR Rel-17 38.331 17.0.0 3132 - B NR\_IAB\_enh-Core

### 6.4.4 Corrections

Stage-2

[R2-2205147](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205147.zip) Miscellaneous eIAB corrections to 38.300 Samsung R&D Institute UK CR Rel-17 38.300 17.0.0 0455 - F NR\_IAB\_enh-Core

[R2-2204794](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204794.zip) Miscellaneous IAB Corrections in 38.300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0444 - F NR\_IAB\_enh-Core

[R2-2205256](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205256.zip) Corrections on rerouting in TS 38.300 for eIAB Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0456 - F NR\_IAB\_enh-Core

[R2-2205902](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205902.zip) Miscellaneous corrections to IAB stage-2 specification Ericsson CR Rel-17 38.300 17.0.0 0468 - F NR\_IAB\_enh-Core

[R2-2204898](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204898.zip) Corrections to 38300 vivo CR Rel-17 38.300 17.0.0 0449 - B NR\_IAB\_enh-Core

[R2-2204977](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204977.zip) Correction on BH RLF detection indication Lenovo (Beijing) Ltd draftCR Rel-17 38.300 17.0.0 F NR\_IAB\_enh-Core

[R2-2205257](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205257.zip) Corrections on F1-C traffic transfer for eIAB in TS 37.340 Huawei, HiSilicon CR Rel-17 37.340 17.0.0 0315 - F NR\_IAB\_enh-Core

[R2-2204790](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204790.zip) Miscellaneous corrections on IAB in 37.340 ZTE, Sanechips CR Rel-17 37.340 17.0.0 0311 - F NR\_IAB\_enh-Core

[R2-2205900](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205900.zip) Corrections to IAB MR-DC procedures Ericsson CR Rel-17 37.340 17.0.0 0322 - F NR\_IAB\_enh-Core

#### 6.4.4.1 Control Plane

Misc

[R2-2204792](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204792.zip) Miscellaneous corrections on IAB in 38.331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 2997 - F NR\_IAB\_enh-Core

[R2-2205160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205160.zip) Miscellaneous eIAB corrections to 38.331 Samsung R&D Institute UK CR Rel-17 38.331 17.0.0 3054 - F NR\_IAB\_enh-Core

IP addressing

[R2-2204911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204911.zip) [F008] CR for 38.331 on deriving the topology of IP address configuration Fujitsu draftCR Rel-17 38.331 17.0.0 F NR\_IAB\_enh-Core

IABOtherInformation

[R2-2205500](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205500.zip) [S726][S727] Handling of IP address requestreport for IAB MR-DC scenarios Samsung R&D Institute UK discussion

[R2-2205521](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205521.zip) Inclusion of IABOtherInformation message in RRC Transfer procedure Samsung R&D Institute UK draftCR Rel-17 37.340 17.0.0 NR\_IAB\_enh-Core

[R2-2205898](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205898.zip) Corrections to IABOtherInformation [E144] Ericsson CR Rel-17 38.331 17.0.0 3133 - F NR\_IAB\_enh-Core

Availabilty combination

[R2-2206094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206094.zip) [H044] [H045] Corrections on the AvailabilityCombination for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3168 - F NR\_IAB\_enh-Core

BAP release clarification

[R2-2206095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206095.zip) [H041] Corrections on the BAP entity release for eIAB Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3169 - F NR\_IAB\_enh-Core

#### 6.4.4.2 User Plane

Misc

[R2-2204793](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204793.zip) Miscellaneous IAB Corrections on BAP in 38.340 ZTE, Sanechips CR Rel-17 38.340 17.0.0 0021 - F NR\_IAB\_enh-Core

[R2-2206040](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206040.zip) Miscellaneous corrections to 38.340 for eIAB Qualcomm Incorporated CR Rel-17 38.340 17.0.0 0026 F NR\_IAB\_enh

[R2-2204899](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204899.zip) Corrections to 38340 vivo CR Rel-17 38.340 17.0.0 0022 - B NR\_IAB\_enh-Core

[R2-2204912](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204912.zip) Miscellaneous corrections to TS 38.340 Fujitsu CR Rel-17 38.340 17.0.0 0023 - F NR\_IAB\_enh-Core

BAP issues

[R2-2204881](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204881.zip) Local congestion-based re-routing at divergence point of DL paths Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_IAB\_enh-Core

[R2-2205254](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205254.zip) Corrections on the handling of unknown, unforeseen, and erroneous protocol data for header rewriting case in TS 38.340 Huawei, HiSilicon CR Rel-17 38.340 17.0.0 0025 - F NR\_IAB\_enh-Core

SCG deactivation

[R2-2204913](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204913.zip) SCG deactivation impact on NR eIAB Fujitsu discussion Rel-17 NR\_IAB\_enh-Core

BSR

[R2-2204901](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204901.zip) On Padding BSR Procedure of IAB vivo discussion Rel-17 NR\_IAB\_enh-Core

[R2-2205255](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205255.zip) Corrections on the Extended BSR MAC CE and case-6 timing mode for eIAB Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1265 - F NR\_IAB\_enh-Core

[R2-2205287](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205287.zip) Correction on extended BSR procedure and RIL [S733] LG Electronics Inc. discussion Rel-17 NR\_IAB\_enh-Core

[R2-2205041](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205041.zip) Clarification on extended BSR of eIAB for TS 38.300 NEC CR Rel-17 38.300 17.0.0 0452 - F NR\_IAB\_enh-Core

### 6.4.5 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

[R2-2204791](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204791.zip) Correction on IAB-MT capability of header rewriting based re-routing ZTE, Sanechips CR Rel-17 38.306 17.0.0 0702 - F NR\_IAB\_enh-Core

[R2-2205258](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205258.zip) Corrections on the bapHeaderRewriting-Routing and lcg-ExtensionIAB for eIAB Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0711 - F NR\_IAB\_enh-Core

### 6.4.6 Other

## 6.5 NR IIoT URLLC

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

Tdoc Limitation: 3 tdocs

WI has been declared 100% complete

### 6.5.1 Organizational

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

[R2-2204416](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204416.zip) RE: LS on Time Synchronization IEEE 1588 WG LS in To:RAN, SA Cc:RAN2

=> Withdrawn (replaced by [R2-2206117](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206117.zip))

[R2-2204480](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204480.zip) Reply LS on propagation delay compensation (R4-2207021; contact: Huawei) RAN4 LS in Rel-17 NR\_IIOT\_URLLC\_enh-Core To:RAN1, RAN2

[R2-2204519](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204519.zip) Reply Time Synchronization support in 3GPP (S2-2203229; contact: Ericsson) SA2 LS in Rel-17 IIoT To:ITU-T SG-15 Cc:RAN2

[R2-2205506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205506.zip) Summary of [Pre118-e][502][IIoT URLLC] 38331 CR and rapporteur resolutions (Ericsson) Ericsson discussion Late

[R2-2205507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205507.zip) Correction for enhanced IIoT&URLLC support for NR Ericsson CR Rel-17 38.331 17.0.0 3093 - F NR\_IIOT\_URLLC\_enh-Core Late

[R2-2205683](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205683.zip) CR for procedure level alignment of UL skipping Apple CR Rel-17 38.321 17.0.0 1280 - D NR\_IIOT\_URLLC\_enh-Core

[R2-2205710](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205710.zip) Correction for Enhanced NR IIoT and URLLC in 38.321 Samsung CR Rel-17 38.321 17.0.0 1281 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2205732](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205732.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

[R2-2205734](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205734.zip) [DRAFT] Reply LS on RAN feedback for low latency ZTE Corporation, Sanechips LS out Rel-17 NR\_IIOT\_URLLC\_enh-Core To:SA2 Cc:RAN3

[R2-2206117](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206117.zip) RE: LS on Time Synchronization IEEE 1588 WG LS in

### 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

[R2-2204758](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204758.zip) [O500,O501] Clarification on the usage of sib9Fallback OPPO draftCR Rel-17 38.331 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

[R2-2204866](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204866.zip) Remaining issue of PDC calculation based on measurements for single pair of RSs Huawei, HiSilicon discussion Rel-17 38.331 NR\_IIOT\_URLLC\_enh-Core

[R2-2204867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204867.zip) Resolution of remaining issue of PDC calculation Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3006 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2204868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204868.zip) Miscellenous corrections to RRC spec for IIoT [H701] [H702] [H703] Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3007 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2205508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205508.zip) Multi-TB scheduling in UCE Ericsson discussion

[R2-2205509](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205509.zip) On unresolved RIL issues Ericsson discussion

[R2-2206006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206006.zip) Discussion on ta-PDC and sib9Fallback for IIoT ZTE Corporation, Sanechips discussion Rel-17 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

[R2-2204665](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204665.zip) Correction on Simultaneous PUCCH/PUSCH Transmission CATT discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2204666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204666.zip) Corrections on the description of simultaneous PUCCH/PUSCH transmission CATT CR Rel-17 38.321 17.0.0 1226 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2204759](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204759.zip) Correction on the simultaneous PUCCH PUSCH transmission OPPO, Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

[R2-2204760](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204760.zip) Open issues on the termination of the CGT OPPO discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2205019](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205019.zip) Correction on duplication activation for survival time state entry Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0450 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2205020](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205020.zip) Correction on duplication activation with UL retransmission grant reception Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1246 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2205021](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205021.zip) Corrections on HARQ feedback deferral Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1247 - F NR\_IIOT\_URLLC\_enh-Core

[R2-2205460](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205460.zip) Clarification on the SPS HARQ deferral Xiaomi Communications draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core Revised

[R2-2205510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205510.zip) correction for PDCP duplication with survivalTimeSupport Ericsson, Samsung draftCR Rel-17 38.321 17.0.0 NR\_IIOT\_URLLC\_enh-Core

[R2-2205680](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205680.zip) Impact of Rel-17 PHY prioritization on MAC Apple discussion Rel-17 NR\_IIOT\_URLLC\_enh-Core

[R2-2205681](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205681.zip) Draft CR for impact of Rel-17 PHY prioritization on MAC Apple draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core

R2-2205711 Correction of HARQ RTT Timer Handling Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core Late

[R2-2206028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206028.zip) Clarification on the SPS HARQ deferral Xiaomi Communications, Samsung draftCR Rel-17 38.321 17.0.0 F NR\_IIOT\_URLLC\_enh-Core [R2-2205460](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205460.zip)

## 6.6 Small Data enhancements

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

Tdoc Limitation: 3 tdocs

WI has been declared 100% complete

### 6.6.1 Organizational

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

[R2-2204431](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204431.zip) NAS's trigger for resume for SDT (C1-221891; contact: OPPO) CT1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2204445](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204445.zip) Reply LS on the physical layer aspects of small data transmission (R1-2202656; contact: ZTE) RAN1 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2

[R2-2204455](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204455.zip) Reply LS on Security of Small data transmission (S3-220463; contact: Intel) SA3 LS in Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN2 Cc:RAN3

[R2-2205552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205552.zip) [Draft] LS on the L1 related agreements for SDT ZTE Corporation (rapporteur) LS out Rel-17 NR\_SmallData\_INACTIVE-Core To:RAN1

[R2-2205834](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205834.zip) Corrections on SDT Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0465 - F NR\_SmallData\_INACTIVE-Core

[R2-2206017](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206017.zip) Introduction of Small Data Transmission into 38.304 vivo CR Rel-17 38.304 17.0.0 0251 - B NR\_SmallData\_INACTIVE-Core

[R2-2206065](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206065.zip) Alignment of DRX for Paging with RRC for SDT vivo CR Rel-17 38.304 17.0.0 0251 1 F NR\_SmallData\_INACTIVE-Core

[R2-2206475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206475.zip) LS on CG period values for small data transmission (R1-2205347; contact: ZTE)

### 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

[R2-2204533](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204533.zip) Corrections to RA Trigger during the ongoing CG-SDT procedure Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.0.0 NR\_SmallData\_INACTIVE-Core

[R2-2204534](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204534.zip) Corrections to UL TA handling upon Contention resolution during CG-SDT Samsung Electronics Co., Ltd draftCR Rel-17 38.321 17.0.0 NR\_SmallData\_INACTIVE-Core

[R2-2204836](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204836.zip) [V537]-[V540] L1 Parameter Correction for CG-SDT vivo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2204973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204973.zip) Consideration on UP Remaining Issues of SDT CATT discussion NR\_SmallData\_INACTIVE-Core

[R2-2204983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204983.zip) Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1243 - F NR\_SmallData\_INACTIVE-Core

=> Revised in [R2-2206066](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206066.zip)

[R2-2206066](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206066.zip) Editor's correction to MAC spec for Small Data Transmission Huawei, HiSilicon, Nokia, Nokia Shanghai Bell, ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1243 1 F NR\_SmallData\_INACTIVE-Core

[R2-2205045](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205045.zip) Remaining user plane issues of SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205152](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205152.zip) Consideration on Stored RSRP for CG-SDT TA validation CATT discussion NR\_SmallData\_INACTIVE-Core

[R2-2205214](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205214.zip) Remaining UP open issues for SDT Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205217](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205217.zip) TP for RNAU with CG Type 1 and PDCP control PDU transmission Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205243](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205243.zip) Remaining issues of SDT UP aspects Qualcomm Incorporated discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205270](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205270.zip) Discussion on remaining UP issues of SDT OPPO discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205271](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205271.zip) Correction for RACH triggered events OPPO draftCR Rel-17 38.300 17.0.0 NR\_SmallData\_INACTIVE-Core

[R2-2205289](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205289.zip) Correction to TA validation for CG-SDT Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1270 - F NR\_SmallData\_INACTIVE-Core

[R2-2205343](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205343.zip) Collison of PUCCH and PUSCH for SDT Sony discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205550.zip) User plane open issues for SDT ZTE Corporation, Sanechips discussion Rel-17

[R2-2205588](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205588.zip) CG timer use in CG-SDT procedure Ericsson discussion Rel-17 38.321 NR\_SmallData\_INACTIVE-Core

[R2-2205597](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205597.zip) Validation of CG-SDT occasions Ericsson discussion Rel-17 38.321 NR\_SmallData\_INACTIVE-Core

[R2-2205835](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205835.zip) MAC procedure issues Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1286 - F NR\_SmallData\_INACTIVE-Core

[R2-2205836](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205836.zip) UP procedure issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205940.zip) Stage-2 corrections for Small Data Transmission Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 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

[R2-2204532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204532.zip) Corrections for paging-emergency SIBs-RRCRelease duriing SDT Samsung Electronics Co., Ltd draftCR Rel-17 38.300 17.0.0 NR\_SmallData\_INACTIVE-Core

[R2-2204835](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204835.zip) [V534][V536] RRC Procedural Corrections for SDT vivo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2204972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204972.zip) Further considerations upon reception of RRC Release CATT discussion NR\_SmallData\_INACTIVE-Core Late

[R2-2204984](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204984.zip) [H549] Correction for restoring the logical channel configuration from UE context Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3022 - F NR\_SmallData\_INACTIVE-Core

[R2-2204985](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204985.zip) [H559] Correction for transitition to RRC\_CONNECTED for SDT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3023 - F NR\_SmallData\_INACTIVE-Core

[R2-2205043](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205043.zip) UAC upon non-SDT data arrival NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205044](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205044.zip) [W002][W005] Control plane issues of SDT NEC discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205221](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205221.zip) TP for the PDCP control PDU transmission and UAC with CG Type 1 Lenovo discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205244](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205244.zip) Remaining issues of SDT CP aspects Qualcomm Incorporated discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205354](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205354.zip) Discussion on the NAS aspects of Small Data Transmission Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205355](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205355.zip) [H562] Correction for internode message for SDT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3073 - F NR\_SmallData\_INACTIVE-Core

[R2-2205459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205459.zip) RIL(X304) Clarification on the cell configured for CG-SDT Xiaomi Communications discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205548](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205548.zip) Control plane open issues for SDT ZTE Corporation, Sanechips discussion Rel-17

[R2-2205549](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205549.zip) SDT RRC Corrections ZTE Corporation (rapporteur) CR Rel-17 38.331 17.0.0 3100 - F NR\_SmallData\_INACTIVE-Core Late

[R2-2205551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205551.zip) RRC RIL issue summary for SDT ZTE Corporation (rapporteur) report Late

[R2-2205590](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205590.zip) Actions on receiving indication of failure to perform SDT procedure Ericsson discussion Rel-17 38.331 NR\_SmallData\_INACTIVE-Core

[R2-2205668](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205668.zip) SDT related RIL Issues (RIL A000, A001, A002, A003, A004, A005,A007) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205669](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205669.zip) SDT TAT related RIL Issue (RIL A019) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205670](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205670.zip) UAC operation during the CG-SDT procedure (RIL A006) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205788](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205788.zip) SDT CP procedure issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SmallData\_INACTIVE

[R2-2205818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205818.zip) [I503] Reception of RRCRelease for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205819](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205819.zip) [I511] T319a maximum range Intel Corporation, Sony discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205820](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205820.zip) [I505] Search space for pdcch-Config of CG-SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205821](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205821.zip) [I508] Introduction of SDT in resume procedure Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205822](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205822.zip) [506] Signaling allowed during SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205823](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205823.zip) [I507] Clarify the reference to “part of the UE configuration” in the procedural text Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205824](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205824.zip) [I512] [I010] SRS Positioning configuration provided for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2205825](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205825.zip) [I513] Clarification of SRB1 configuration used for SDT Intel Corporation discussion Rel-17 NR\_SmallData\_INACTIVE-Core

[R2-2206125](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206125.zip) Discussion on Need S versus Need R for some SDT fields (RIL: H551, H556) Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core

R2-2206335 Actions on receiving indication of failure to perform SDT procedure Ericsson discussion Rel-17 38.331 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: 8 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.

[R2-2204436](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204436.zip) LS reply on support of RAN sharing and discovery signalling (S2-2201296; contact: Huawei) SA2 LS in Rel-17 5G\_ProSe To:RAN2 Cc:CT1

[R2-2204440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204440.zip) Reply LS on discovery and data associated to different L2 IDs (S2-2201298; contact: vivo) SA2 LS in Rel-17 5G\_ProSe, NR\_SL\_relay-Core To:RAN2 Cc:CT1

[R2-2204447](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204447.zip) LS on the SDU type used over user plane for NR PC5 reference point (C1-221835; contact: ZTE) CT1 LS in Rel-17 5G\_ProSe To:RAN2 Cc:SA2

[R2-2204584](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204584.zip) 38.300 CR Correction for SL Relay MediaTek Inc. CR Rel-17 38.300 17.0.0 0440 - F NR\_SL\_relay-Core

[R2-2204632](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204632.zip) Correction on SRAP for L2 U2N Relay OPPO CR Rel-17 38.351 17.0.0 0001 - F NR\_SL\_relay-Core

[R2-2204633](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204633.zip) Discussion on CT1 LS on SDU type (C1-221835) OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2204771](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204771.zip) Issues on the SDU Type Used over User Plane for NR PC5 Reference Point CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204798](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204798.zip) Discussion on the SDU type used over user plane for NR PC5 reference point ZTE, Sanechips discussion Rel-17 NR\_SL\_relay-Core

[R2-2204799](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204799.zip) Draft reply LS on SDU type used over user plane for NR PC5 reference point ZTE, Sanechips LS out Rel-17 NR\_SL\_relay-Core, NR\_SL\_enh To:CT1 Cc:SA2

[R2-2205607](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205607.zip) Correction on RLC for SL relay Samsung CR Rel-17 38.322 17.0.0 0048 - F NR\_SL\_relay-Core

[R2-2205608](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205608.zip) Correction on PDCP for SL relay Samsung CR Rel-17 38.323 17.0.0 0093 - F NR\_SL\_relay-Core

[R2-2205648](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205648.zip) Correction for sidelink relay in MAC Apple CR Rel-17 38.321 17.0.0 1277 - F NR\_SL\_relay-Core Late

[R2-2205880](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205880.zip) 38.306 CR for sidelink relay UE capabilities Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0728 - F NR\_SL\_relay-Core

[R2-2205986](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205986.zip) Miscellaneous RRC CR for SL relay Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3145 - F NR\_SL\_relay-Core Late

### 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 Control plane procedures

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

[R2-2204550](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204550.zip) Discussion on paging information management for a remote UE SHARP Corporation discussion NR\_SL\_relay-Core

[R2-2204551](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204551.zip) Discussion on cell change of remote UE due to relay UE's cell change SHARP Corporation discussion NR\_SL\_relay-Core

[R2-2204585](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204585.zip) General SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204586](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204586.zip) Positioning SIB forwarding for Remote UE [M119][H629] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204634.zip) Correction on [O006, O007, O008, O010, O011, O054, O900] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204674](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204674.zip) [E083][H593] Two copies of a same SIB and related remote UE behaviour vivo discussion

[R2-2204676](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204676.zip) OOC concept for remote UE vivo discussion

[R2-2204764](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204764.zip) [C121] Necessity of Releasing the Paging Request of Remote UE via SidelinkUEInformationNR CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204765](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204765.zip) [C122]Conditions of RemoteUEInformationSidelink Transmission CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204766](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204766.zip) Discussion on the LCIDs of SL-SCH for Uu Logical Channels of Remote UE CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204886](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204886.zip) Discussion on SI forwarding NEC Corporation discussion Rel-17 NR\_SL\_relay-Core

[R2-2204959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204959.zip) [B104] TP on stop condition of T300 Lenovo discussion Rel-17

[R2-2204960](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204960.zip) [B105] TP on setup request procedure Lenovo discussion Rel-17

[R2-2204961](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204961.zip) [B106] TP on re-establishment procedure Lenovo discussion Rel-17

[R2-2204989](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204989.zip) Discussion on inter layer interaction for NR sidelink relay OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2204991](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204991.zip) Correction to support L3 U2N Relay OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

[R2-2205014](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205014.zip) [H629] Correction for SI request for posSIB for SL remote UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3031 - F NR\_pos\_enh-Core, NR\_SL\_relay-Core

[R2-2205064](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205064.zip) Discussion on remote UE’s SIB(s) acquisition and paging monitoring ZTE, Sanechips discussion Rel-17 NR\_SL\_relay-Core

[R2-2205065](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205065.zip) Correction on remote UE’s SIB(s) acquisition and paging monitoring ZTE, Sanechips CR Rel-17 38.331 17.0.0 3037 - F NR\_SL\_relay-Core

[R2-2205115](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205115.zip) remaining issues for control plane procedure for relay operation LG Electronics France discussion Rel-17

[R2-2205131](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205131.zip) Connection establishment and resume failure occurrence to a L2 U2N Remote UE ASUSTeK CR Rel-17 38.331 17.0.0 3052 - F NR\_SL\_relay-Core

[R2-2205132](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205132.zip) Associating two sidelink RLC bearer configurations for bi-directional sidelink RLC bearer to support L2 U2N Relay ASUSTeK CR Rel-17 38.331 17.0.0 3053 - F NR\_SL\_relay-Core

[R2-2205319](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205319.zip) Discussion on how to support posSIB(s) forwarding Xiaomi discussion

[R2-2205321](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205321.zip) [X208] Discussion on remote UE’s on-demand SI in CONNECTED Xiaomi discussion

[R2-2205496](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205496.zip) Correction on cause value in sidelink relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205609](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205609.zip) Clarification of SI acquisition for RRC\_IDLE/RRC\_INACTIVE Remote UE (RIL#: E084, H593) Samsung discussion Rel-17 NR\_SL\_relay-Core

[R2-2205695](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205695.zip) [B100] SL Timer Broadcast in SIB1 Lenovo discussion NR\_SL\_relay-Core Revised

[R2-2205699](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205699.zip) [B212] RRC Connected Remote UE cannot acquire SIB1 Lenovo discussion NR\_SL\_relay-Core [R2-2205695](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205695.zip)

[R2-2205856](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205856.zip) Correction for RRC Reestablishment in Sidelink relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay\_enh-Core

[R2-2205905](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205905.zip) Draft CR on Corrections on Paging Reception by the Relay UE InterDigital draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

[R2-2205906](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205906.zip) [U455] Draft CR on Corrections to Paging DRX Cycle InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205907](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205907.zip) [U456][U473] Draft CR on Corrections to Trigger Conditions of RemoteUEInformationSidelink InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205908](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205908.zip) [U465] Draft CR on Corrections to Relay UE Uu SI Request InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205909](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205909.zip) [U482] Draft CR on Corrections to NotificationMessageSidelink InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205991](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205991.zip) Clarification on relay and remote UE behavior during failure handling Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2206042](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206042.zip) Discussion on [O090] OPPO discussion Rel-17 NR\_SL\_relay-Core

R2-2206339 Summary of [Pre118-e][608][Relay] Summary of AI 6.7.2.1 on CP (Lenovo) Lenovo discussion Rel-17 NR\_SL\_relay-Core

[R2-2205113](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2205113.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205113.zip) Cause value for Relay UE (38.331 running CR) LG Electronics France CR Rel-17 38.331 17.0.0 3051 - F NR\_SL\_relay-Core

Moved from 7.2.3.1

#### 6.7.2.2 Service continuity

Service continuity between Uu and relay paths, limited to intra-gNB cases.

[R2-2204635](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204635.zip) Correction on [O009, o017, O020, O022-O025] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204795](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204795.zip) Miscellaneous corrections for NR SL Relay in 38.300 ZTE, Sanechips CR Rel-17 38.300 17.0.0 0445 - F NR\_SL\_relay-Core

[R2-2204990](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204990.zip) Correction to support IDLE INACTIVE relay UE OPPO draftCR Rel-17 38.300 17.0.0 NR\_SL\_relay-Core

[R2-2205093](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205093.zip) 38.331 CR for SL relay events Samsung CR Rel-17 38.331 17.0.0 3047 - F NR\_SL\_relay-Core

[R2-2205320](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205320.zip) [X200] Discussion on path swith failure upon target relay UE Pcell change Xiaomi discussion

[R2-2205339](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205339.zip) Service continuity open issues in L2 NR sidelink relay Sony discussion Rel-17 NR\_SL\_relay-Core

[R2-2205375](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205375.zip) On the entry and leave conditions for path switch in SL relay Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 C NR\_SL\_relay-Core

[R2-2205633](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205633.zip) Discussion on how remote UE gets its local ID in direct-to-indirect path switch when target relay UE is in IDLE/INACTIVE state Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205987](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205987.zip) Clarification on Uu threshold handling when configured with measurements of L2 U2N Relay Ues Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3146 - F NR\_SL\_relay-Core

[R2-2206053](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206053.zip) Summary of 6.7.2.2 service continuity (Xiaomi) Xiaomi discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.3 Adaptation layer design

Including bearer mapping, remote UE identification, security aspects if any.

[R2-2204796](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204796.zip) Correction on BEARER ID determination ZTE, Sanechips CR Rel-17 38.351 17.0.0 0002 - F NR\_SL\_relay-Core

[R2-2204797](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204797.zip) Correction on the DL bearer mapping ZTE, Sanechips CR Rel-17 38.351 17.0.0 0003 - F NR\_SL\_relay-Core

[R2-2205133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205133.zip) Corrections on SRAP PDU handling and ID field determination ASUSTeK CR Rel-17 38.351 17.0.0 0004 - F NR\_SL\_relay-Core

[R2-2205431](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205431.zip) Correction on the handling of unknown, unforeseen, and erroneous protocol data and other miscellaneous in SRAP Huawei, HiSilicon CR Rel-17 38.351 17.0.0 0005 - F NR\_SL\_relay-Core

#### 6.7.2.4 QoS

Mechanisms for E2E QoS management.

[R2-2204993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204993.zip) Correction for sequential rule of destination index OPPO draftCR Rel-17 38.321 17.0.0 NR\_SL\_relay-Core

#### 6.7.2.5 Discovery and re/selection

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

[R2-2204564](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204564.zip) [V353][Z652] Discussion and corrections on CBR measurements for NR SL discovery vivo discussion

[R2-2204587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204587.zip) Relay selection requirement conflict [M112][v208] MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core

[R2-2204636](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204636.zip) Correction on [O042, O047-O049, O058-O060] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204675](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204675.zip) [V410][O058] Dedicated pool for discovery reception vivo discussion

[R2-2204767](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204767.zip) Discussion on Resource Pool Selection for Discovery Message CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2204768](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204768.zip) Correlation on Resource Pool Selection for Discovery Message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

[R2-2204769](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204769.zip) Introduction of LCID for discovery message CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

[R2-2204992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204992.zip) Correction to support non-relay discovery OPPO draftCR Rel-17 38.304 17.0.0 NR\_SL\_relay-Core

[R2-2205063](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205063.zip) Correction on the Sidelink discovery transmission ZTE, Sanechips CR Rel-17 38.331 17.0.0 3036 - F NR\_SL\_relay-Core

[R2-2205114](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205114.zip) Reduction of some parts of selection of logical channels in SL Relay (38.321 running CR) LG Electronics France CR Rel-17 38.321 17.0.0 1254 - F NR\_SL\_relay-Core

[R2-2205345](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205345.zip) Sidelink discovery operation - monitoring and transmission Beijing Xiaomi Mobile Software draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205356](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205356.zip) Discussion on MAC functionality for discovery Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2205357](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205357.zip) Assisting L2 Remote UE to correctly evaluate threshold condition Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2205610](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205610.zip) Correction on SL discovery and UL prioritization Samsung discussion Rel-17 NR\_SL\_relay-Core

[R2-2205963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205963.zip) Correction on Groupcast transmission mode support for sidelink discovery Qualcomm Incorporated draftCR Rel-17 38.322 17.0.0 C NR\_SL\_relay-Core

[R2-2206056](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206056.zip) Summary of AI 6.7.2.5 on Discovery and (re)selection vivo discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.6 UE capabilities

[R2-2204637](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204637.zip) Correction on UE capability for discovery BC list (38.331) OPPO draftCR Rel-17 38.331 17.0.0 B NR\_SL\_relay-Core

[R2-2204638](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204638.zip) Correction on UE capability for discovery BC list (38.306) OPPO draftCR Rel-17 38.306 17.0.0 B NR\_SL\_relay-Core

[R2-2204770](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204770.zip) Further discussion on UE capability CATT discussion Rel-17 NR\_SL\_relay-Core

[R2-2205988](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205988.zip) Clarification on supported BC of Uu and sidelink discovery Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

#### 6.7.2.7 ASN.1 issues

Any contributions related only to the details of relay-specific ASN.1 in 38.331.

[R2-2204677](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204677.zip) [V202][V205] PC5 RRC connection establishment and release trigger vivo discussion

[R2-2204678](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204678.zip) [V207][V208] L2 U2N Remote UE RRC re-establishment procedure vivo discussion

[R2-2204679](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204679.zip) [V213] Discussion on timers related issues vivo discussion

[R2-2204680](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204680.zip) [Z684] Max destination index and resource allocation impact vivo discussion

[R2-2204958](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204958.zip) [B103] TP for initiation condition of notification message Lenovo discussion Rel-17

[R2-2204962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204962.zip) [B107] TP on unsuitable relay during re-establishment Lenovo discussion Rel-17

[R2-2204994](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204994.zip) Correction on the definition of suitable relay UE OPPO draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2205066](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205066.zip) Correction on PC5 RLC channel configuration ZTE, Sanechips CR Rel-17 38.331 17.0.0 3038 - F NR\_SL\_relay-Core

[R2-2205092](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205092.zip) 38.331 CR for allow and exclude list on eventX1 (RIL#:S776) Samsung CR Rel-17 38.331 17.0.0 3046 - F NR\_SL\_relay-Core

[R2-2205186](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205186.zip) Correction on RIL issue E132 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2205187 Correction on RIL issues (E041, E043, E044 and E045) Ericsson discussion Rel-17 38.331 NR\_SL\_relay-Core Withdrawn

[R2-2205228](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205228.zip) Correction on RIL issues (E041, E043, E044 and E045) Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205634](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205634.zip) Discussion on whether UE dedicated PC5 configuration can be configured in RRCReestablishment message (RIL A308, A906) Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205635](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205635.zip) Discussion on definition of U2N remote UE (RIL A304, A305, A307, A311) Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205645](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205645.zip) [A903] Discussion on SIB12 configuration for relay support Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205646](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205646.zip) [A309] Discussion on relay UE notification upon Uu RLF Apple discussion Rel-17 NR\_SL\_relay-Core

[R2-2205685](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205685.zip) [B207][B208] Correction in NR sidelink U2N Remote UE operation Lenovo Mobile Com. Technology CR Rel-17 38.331 17.0.0 3112 - F NR\_SL\_relay-Core

[R2-2205690](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205690.zip) [B209][B10][B211] Various corrections for Paging monitoring and System Information acquisition Lenovo CR Rel-17 38.331 17.0.0 3113 - F NR\_SL\_relay-Core

[R2-2205773](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205773.zip) [E080] Correction on UE states and state transitions for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205774](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205774.zip) [E082] Correction on receiving short message by remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205775](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205775.zip) [E084][E085] Correction on on-demand SIB for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205776](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205776.zip) [E086] Correction on cell barring for SL relay Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205777](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205777.zip) [E087] Correction on paging reception by the remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205778](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205778.zip) [E090] Correction on reconfigurationWithSync handling during path switch Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205779](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205779.zip) [E093] Correction on new UE timers for remote UE Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205780](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205780.zip) [E104][E112] Correction on handling on timer T420 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2205826](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205826.zip) [M116, A906, I012, I046] SL information in RRC Setup and Reestablishment messages Intel Corporation discussion Rel-17 NR\_SL\_relay-Core Late

[R2-2205962](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205962.zip) RIL#Q539 - Correction on Groupcast and unicast transmission modes support for sidelink discovery Qualcomm Incorporated draftCR Rel-17 38.331 17.0.0 C NR\_SL\_relay-Core

[R2-2206072](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206072.zip) [H810][M106][O075][O076][B207][B208] On term of OoC, suitable cell, serving cell Huawei, HiSilicon discussion Rel-17 NR\_SL\_relay-Core

[R2-2206073](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206073.zip) [H808][X200] Identification of target Relay UE‘s serving cell change Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3158 - F NR\_SL\_relay-Core

[R2-2206074](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206074.zip) [H811][N005]Change SetupRelease to optional for L2 remote configuration in RRCSetup/Resume/Reestablishment Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3159 - F NR\_SL\_relay-Core

[R2-2206075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206075.zip) [H812][O94][I012] SRB1 SRAP configuration and defaut RLC configuration at PC5 hop Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3160 - F NR\_SL\_relay-Core

[R2-2206076](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206076.zip) [H809][A304, A305, A307, A311] Clarification on the meaning of acting as/capable of/is a relay UE/remote UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3171 - F NR\_SL\_relay-Core

[R2-2206077](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206077.zip) Draft CR for SL relay class1/2 RIL issues (Output of Pre118-e #602) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2206078](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206078.zip) Report of Pre118-e #602 Huawei, HiSilicon report Rel-17 NR\_SL\_relay-Core

### 6.7.3 Other

Any other topics on NR sidelink relay.

[R2-2204772](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204772.zip) Correciton on PDCP for SL relay CATT draftCR Rel-17 38.323 17.0.0 F NR\_SL\_relay-Core

[R2-2204773](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204773.zip) Miscellaneous Corrections on SL Relay CATT draftCR Rel-17 38.321 17.0.0 F NR\_SL\_relay-Core

[R2-2204800](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204800.zip) TP to introduce Rel-17 sidelink relay and discovery in TR 37.985 ZTE, Sanechips draftCR Rel-17 37.985 17.1.1 NR\_SL\_relay-Core

[R2-2205432](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205432.zip) Corrections on stage2 specification for sidelink relay Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0459 - F NR\_SL\_relay-Core

[R2-2205611](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205611.zip) Support of non-IP PDU type in PDCP protocol Samsung discussion Rel-17 NR\_SL\_relay-Core

[R2-2205781](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205781.zip) Misc correction on 38.300 for SL relay Ericsson draftCR Rel-17 38.300 17.0.0 F NR\_SL\_relay-Core

[R2-2205989](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205989.zip) Clarification on NR sidelink relay related configuration Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4814 - F NR\_SL\_relay-Core

## 6.8 RAN slicing

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

Tdoc Limitation: 5 tdocs

This WI has approved exception sheet in RP-220940 and contributions should prioritize solving the issues listed in the exception sheet. Contributions that are not essential corrections may be deprioritized.

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

### 6.8.1 Organizational

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

Including rapporteur input on WI finalization based on SA2 progress on slice group definition and slice group prioritization.

[R2-2204526](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204526.zip) Reply LS on Slice list and priority information for cell reselection (S2-2203597; contact: ZTE) SA2 LS in Rel-17 TEI17, NR\_slice-Core To:RAN2, RAN3, CT1, CT4

[R2-2205082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205082.zip) Discussion on RIL list for RAN slicing Huawei, HiSilicon discussion Rel-17 NR\_slice-Core Late

[R2-2205083](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205083.zip) Discussion on Editorial issues for RAN slicing Huawei, HiSilicon discussion Rel-17 NR\_slice-Core Late

[R2-2205084](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205084.zip) Corrections to TS 38.331 for RAN slicing Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3040 - F NR\_slice-Core Late

R2-2205491 Updates for RAN Slicing from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0462 - F NR\_slice-Core Late

### 6.8.2 Cell reselection

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

Including discussion on how the network control works for slice-specific cell reselection and any corrections to the principles of slice-specific cell reselection.

Including discussion slice group handling and slice group prioritization based on SA2 progress.

[R2-2204554](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204554.zip) Considerations on the slice info configured by RRCRelease for cell reselection Beijing Xiaomi Software Tech discussion Rel-17

[R2-2204571](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204571.zip) Slice based cell reselection priorities handling for equal priority slice groups Beijing Xiaomi Software Tech discussion Rel-17

[R2-2204583](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204583.zip) Corrections on the slice based cell reselection priorites Beijing Xiaomi Software Tech draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

[R2-2204590](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204590.zip) Corrections on slice based cell reselection configured by RRCRelease Beijing Xiaomi Software Tech draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

[R2-2204603](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204603.zip) Discussion on slice group handling NTT DOCOMO INC. discussion Rel-17

[R2-2204746](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204746.zip) Discussion on remaining issues for slice based cell reselection Spreadtrum Communications discussion Rel-17

[R2-2204761](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204761.zip) Clarification on reselection priorities for slice-based cell reselection OPPO, Xiaomi discussion Rel-17 NR\_slice-Core

[R2-2204762](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204762.zip) Open issues on slice-specific cell reselection OPPO discussion Rel-17 NR\_slice-Core

[R2-2205032](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205032.zip) Discussion on open issues for slice based cell reselection CMCC discussion Rel-17 NR\_slice-Core

[R2-2205077](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205077.zip) Corrections on TS 38.300 for RAN Slicing Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0454 - F NR\_slice-Core

[R2-2205078](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205078.zip) Corrections on TS 38.304 for RAN Slicing Huawei, HiSilicon CR Rel-17 38.304 17.0.0 0241 - F NR\_slice-Core

[R2-2205079](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205079.zip) Discussion on Slice Information Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2205080](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205080.zip) Discussion on UE behaviours during slice group specific cell reselection Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2205124](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205124.zip) Equal priority cases for Slice Specific Cell Reselection Kyocera discussion

[R2-2205151](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205151.zip) Clarification on slice-based cell reselection based on SA2 conclusion Qualcomm Incorporated discussion NR\_slice-Core

[R2-2205157](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205157.zip) Clarification on slice-based cell re-selection based on SA2 conclusion Qualcomm Incorporated draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

[R2-2205464](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205464.zip) Discussion on the impacts of LS from SA2 on RAN2 CATT discussion Rel-17 NR\_slice-Core

[R2-2205465](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205465.zip) Consideration on issues of RRCRelease CATT discussion Rel-17 NR\_slice-Core

[R2-2205466](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205466.zip) The impact of re-sorting on RRM requirement CATT discussion Rel-17 NR\_slice-Core

[R2-2205467](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205467.zip) Draft CR to TS 38.304 on the remaining RRC Open issues for slicing CATT draftCR Rel-17 38.304 17.0.0 F NR\_slice-Core

[R2-2205468](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205468.zip) [C154] Create a new IE for SliceGroupID CATT discussion Rel-17 NR\_slice-Core Late

[R2-2205492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205492.zip) Clarifications on slice groups and other corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.300 17.0.0 NR\_slice-Core

[R2-2205493](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205493.zip) Clarifications on slice groups and other corrections Nokia, Nokia Shanghai Bell draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

[R2-2205494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205494.zip) Clarifications on slice groups and other corrections [N031, N032] Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 NR\_slice-Core

[R2-2205495](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205495.zip) Considerations on reselection information priorities Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

[R2-2205543](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205543.zip) Remaining open issue on interaction with legacy dedicated priority and broadcast slice based cell reselection Intel Corporation discussion Rel-17 NR\_slice-Core

[R2-2205568](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205568.zip) [Z325] Discussion on the FreqPriorityListNRSlicing ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

[R2-2205569](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205569.zip) Discussion on the slice group and slice priority ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

[R2-2205570](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205570.zip) draft LS on slice group ZTE corporation, Sanechips LS out Rel-17 NR\_slice-Core To:SA2 Cc:RAN3

[R2-2205576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205576.zip) Remaining open points on slice group and slice priority Samsung R&D Institute UK discussion

[R2-2205587](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205587.zip) Text Proposal for corrections for TS 38.304 on RAN slicing Samsung R&D Institute UK discussion

[R2-2205615](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205615.zip) [B204][B205][B206] Some RRC corrections Lenovo discussion NR\_slice-Core

[R2-2205616](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205616.zip) Resolving FFS on slice Information in RRC Release and SIB Samsung discussion

[R2-2205619](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205619.zip) [S254] Correction for FreqPriorityNRSlicing Samsung discussion

[R2-2205662](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205662.zip) Discussion on SA2 LS on RAN Slicing Apple discussion Rel-17 NR\_slice-Core

[R2-2205663](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205663.zip) Discussion on leftover issues in RAN slicing Apple discussion Rel-17 NR\_slice-Core

[R2-2205693](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205693.zip) Remaining FFS points in RAN Slicing Lenovo discussion NR\_slice-Core

[R2-2205737](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205737.zip) Information Provided in RRCRelease (partially relevant to RIL#H502) NEC Telecom MODUS Ltd. discussion

[R2-2205739](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205739.zip) CR to 38.304 Clarification on slice-specific cell reselection NEC Telecom MODUS Ltd. CR Rel-17 38.304 17.0.0 0246 - F NR\_slice-Core

[R2-2205972](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205972.zip) [E140] Freq list in SIB16 for slicing Ericsson discussion Rel-17 NR\_slice-Core Late

[R2-2205973](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205973.zip) RAN Slicing enhancements in shared RAN Ericsson discussion Rel-17 NR\_slice-Core

[R2-2205974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205974.zip) Discussion and way forward on Slice based Cell re-selection Ericsson discussion Rel-17 NR\_slice-Core

[R2-2205975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205975.zip) Resolving open issues Ericsson draftCR Rel-17 38.300 17.0.0 NR\_slice-Core

[R2-2205976](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205976.zip) Resolving open issues Ericsson draftCR Rel-17 38.304 17.0.0 NR\_slice-Core

[R2-2206097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206097.zip) [H505] Slice cell list in RRCRelease message Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

R2-2206336 Comparison of slice group solutions Ericsson discussion Rel-17 NR\_slice-Core

### 6.8.3 RACH

Including discussion based on remaining open issues for RAN slicing-specific RACH prioritization that are not discussed as part of the common RACH prioritization agenda (if any)

NOTE: The common discussion on Rel-17 RACH partitioning will be discussed under AI 6.18. This AI will only consider RACH partitioning from slicing perspective.

[R2-2204763](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204763.zip) Open issues on slice-specific RACH OPPO discussion Rel-17 NR\_slice-Core

[R2-2204785](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204785.zip) Consideration on slice specific RACH and another issue Purple Mountain Laboratories discussion

[R2-2204873](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204873.zip) Correction to RA initialization for slicing Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1239 - F NR\_slice-Core

[R2-2205081](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205081.zip) Discussion on slice group specific RACH Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2205365](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205365.zip) [X802 X804] Considerations on the slice based RA prioritization parameters configuration Beijing Xiaomi Software Tech discussion Rel-17

[R2-2205612](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205612.zip) Clarification on RACH configuration for slice Samsung discussion Rel-17 NR\_slice-Core

### 6.8.4 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to UE capabilities related to RAN2-defined features for RAN slicing. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

[R2-2205546](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205546.zip) Remaining open issues on UE Capability for slice based cell reselection Intel Corporation discussion Rel-17 NR\_slice-Core

[R2-2205977](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205977.zip) UE Capabilities for Slice-based Cell re-selection and RA Ericsson discussion Rel-17 NR\_slice-Core

## 6.9 UE Power Saving

(NR\_UE\_pow\_sav\_enh-Core; leading WG: RAN2; REL-17; WID: RP-212632)

Tdoc Limitation: 5 tdocs

WI has been declared 100% complete

### 6.9.1 General

#### 6.9.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

LS in

[R2-2204466](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204466.zip) LS reply on PDCCH skipping (R1-2202905; contact: vivo) RAN1 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2

[R2-2204484](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204484.zip) ReplyLS to RAN2 on RLM/BFD relaxation for ePowSav (R4-2207087; contact: vivo) RAN4 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2 Cc:RAN1

[R2-2204499](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204499.zip) Reply LS on paging subgrouping and PEI (R3-222874; contact: ZTE) RAN3 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2 Cc:SA2, CT1, RAN1

[R2-2204522](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204522.zip) Reply LS out on PEI and UE Subgrouping (S2-2203252; contact: Qualcomm) SA2 LS in Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN2, RAN3 Cc:CT1

* All noted

LS out

[R2-2204803](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204803.zip) [V149] Discussion on reply LS on signaling for RLM BFD relaxation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

DISCUSSION

- MTK think that R4 agreements are a mix of things, and the current R2 design is the one that makes sense.

- Xiaomi support 1a, NEC also support 1a.

- Chair think current R2 design fulfils all R4 requests.

- CATT think we don’t need an LS. Vivo prefer to send LS but think there is some discrepancy. Ericsson think in most cases R4 should refer to R2 but ok to inform R4.

- Chair think R4 might not capture the configuration in their TS (as it is in R2 TS), but we can send informational LS to ensure R4 doesn’t create TS inconsistencies.

* Keep the current configuration for serving cell quality criterion as per-serving cell basis in RRC specification.
* Send an LS to inform R4.

* [AT118-e][070][ePowSav] reply LS on signaling for RLM BFD relaxation (vivo)

Scope: LS out according to agreements for R2-2204803

Intended outcome: Approved LS out (offline only, no CB)

Deadline: W2 Wednesday

New CR

[R2-2204602](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204602.zip) 37.340 Draft CR for ePowSav Xiaomi Communications,Nokia, Nokia Shanghai Bell,ZTE Corporation, Sanechips draftCR Rel-17 37.340 17.0.0 B NR\_UE\_pow\_sav\_enh-Core

- MTK think this was not in the list of impacted TS

- Ericsson don’t see what is DC-specific

- HW and LG vivo Apple Samsung think 38300 covers this.

- QC think most of these procedures are single MAC entity procedures, and think if we need reference to another MAC entity in 38321 it can be in MAC without mentioning 37340.

- CATT think there are a number of RILs on the non-clarity how to configure low mobility, and inter node coord may be needed, and this is the reason for DC stage-2.

Chair: we wait until we have discussed inter node coord, to see whether anything there need to explained in 37340 Stage-2.

#### 6.9.1.3 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

[R2-2206054](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206054.zip) Report of [Pre118-e][008][ePowSav] 38331 CR and rapporteur CATT discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

DISCUSSION

- Chair (no need for formal agreement): As proposed in the tdoc RAN2 May Discuss the following RILs in RAN2#118-e: E133, J005, M001, N128, 0356, O357, S1000, V137, V139, V140, V141, V142, V143, V146, V149, X107, X117, X118, Z054, Z055.

- Nokia point out that E133, N128, Z054, Z055 are listed to be discussed in [025].

* Agree the RILs B002, C181, C182, C183, C184, H039, H040, N010, N011, O375, V130, V131, V132, V133, V134, V135, V136, V138, V144, V148, V150, X103, X104, X105, Z051, Z053.
* Agree the RILs N103, 0370, X113, with the modifications suggested by the Rapporteur.

[R2-2206055](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206055.zip) ePowSav corrections for 38.331 CATT CR Rel-17 38.331 17.0.0 3154 F NR\_UE\_pow\_sav\_enh-Core

* Agree the CR in R2-2206055 as baseline (can still make updates).
* [AT118-e][071][ePowSav] RRC (CATT)

Scope: 1. For TRS/CSI-RS Address remaining issues, from tdocs under 6.9.3.3. not already addressed, Identify agreements, discussion points, etc. 2a. Allow further checking of the RRC Rapporteur resolutions in the RRC CR. 2b. Update the CR acc to meeting agreements

Intended outcome: 1. Report. 2 Agreed CR (in the end)

Deadline: CB W2 Tuesday, CR agreement expected by Post meeting discussion.

R2-2206493 Report of [AT118-e][071][ePowSav] RRC (CATT) CATT

DISCUSSION

P3

* CATT think this is for a stable configuration, for which there is no need to frequently re-activate.
* Xiaomi prefer R1 decision, but no strong concerns.
* QC want to add the comment that it doesn’t override the validity timer.

P1

* Xiaomi want to make further clarifications.
* add the “infinity” value to the field *validityDuration (not intended to override the SIB validity timer).*
* RAN2 understands there is no possible conflict or ambiguity between TRS/CSI-RS configuration broadcasted in SIB17 for idle/inactive UEs and TRS/CSI-RS configuration provided via dedicated signaling for connected UEs. No specification change is required.

Chair: P1 (or variant thereof) for email/offline agreement.

[R2-2204804](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204804.zip) Miscellaneous CR on TS 38.304 for ePowSav vivo CR Rel-17 38.304 17.0.0 0238 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2205353](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205353.zip) Corrections for UE power saving enhancements In 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0458 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2205022](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205022.zip) Stage 2 correction on power saving Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0451 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2205023](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205023.zip) 38304 corrections on power saving Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.0.0 0240 - F NR\_UE\_pow\_sav\_enh-Core

Chair: corrections to 38300 and 38304 are expected to be handled by Post meeting discussion.

### 6.9.3 Corrections

Known issues that may need resolution or correction: <List>

#### 6.9.3.1 PEI and Subgrouping

* [AT118-e][072][ePowSav] PEI and Subgrouping (Mediatek)

Scope: Address remaining issues, not already addressed by CR rapporteurs, from tdocs under 6.9.3.1. Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc.

Intended outcome: Report

Deadline: for CB W2 Tuesday

R2-2206458 Report of [AT118-e][072][ePowSav] PEI and Subgrouping (Mediatek) MediaTek Inc.

DISCUSSION

P1 / P2

* Xiaomi think it is better to specify how the UE can consider this is the last used cell. Chair think this is P2. Intel agrees with Xiaomi. Think P1 is not sufficient. Think that for SDT transmission there are additional issues, Intel wonder if we then resolve it by P2. MTK confirms that this is the intention.
* Intel think that for SDT the mismatch may happen every time. Vivo Huawei agree with Intel

P4

* Vivo think there is no specification impact.
* MTK think this is similar to the previously discussed PO mismatch issue

P5

* ZTE think the R2 agreement should be kept. Think there is no need for clarification. MTK think the current FD says that we support no subgrouping in stage-3.
* Nokia, vivo agree.

P6

* Ericsson are ok. ZTE think this may be ok.

P7

* Ericsson think the R3 reply is inline with this proposal.
* HW would like to know what the network need to do.
* Intel think we wait for R3.
* MTK wonder if we need to send LS to other groups if we assume uniform. Ericsson think no need. Chair think we can consider some small stage-2 text. CATT would be ok for stage-2, no stage-3 impact. Apple agrees as well.
* Xiaomi think there are uniformity assumptions already in SA2 TS.

P8ab

* Xiaomi and ZTE think we wait until Redcap is finished. Chair think we might not have the possibility to CB online, any major objections?
* QC think we can make these working assumptions.
* P1 P2 P7 Postpone until R3 reply (discuss offline immediately when LS is available).
* In multi-beam operations, the UE assumes that the same PEI is repeated in all transmitted beams and thus the selection of the beam(s) for the reception of the PEI is up to UE implementation.
* For PEI indication bit determination, UE in RRC INACTIVE uses the same iPO as that in RRC IDLE (determine TS impact if any during CR discussion).
* Define PEI-RNTI as 0xFFFC in MAC specifications and agree the corresponding CR in R2-2205212. (TS 38.321 CR needed)
* Keep RAN2 agreement that “PEI without subgrouping” can only be implemented by configuring PEI plus UEID subgrouping with one subgroup. Clarify that there is always at least one subgroup whenever PEI is configured. Consider to rephrase the field descriptions of *subgroupsNumPerPO* and *subgroupsNumForUEID* to reflect this (details for CR discussion).
* RAN2 confirms that it is possible to configure *subgroupsNumPerPO* = 1 while *subgroupsNumForUEID* is absent (no need to prevent this).

*Chair: Observation that pei related configuration may need to be modified to support redcap UEs, e.g. move of* ***pei-SearchSpace-r17****,* ***firstPDCCH-MonitoringOccasionOfPEI-O-r17****. This will be considered in detail when Redcap details has been decided.*

An additional case

[R2-2204537](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204537.zip) [S1000] PEI Monitoring in Redcap Specific BWP Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

DISCUSSION W1

- Chair think that RedCap and PowerSaving is a good match and it would be good if it could work together.

- Xiaomi think that RedCap paging search space is in the general initial BWP. Samsung think this is not correct as the paging search space is in the Redcap specific initial BWP, think this is a valid case.

- MTK think this is not needed, and if it is then it should be discussed in R1.

- Vivo think initial BWP for Redcap is not for paging.

- OPPO think we should first decide if PEI is applicable to RedCap.

- HW support that redcap UE can use PEI.

- QC think that BWP used for paging for RedCap is currently being discussed.

Chair: We wait (companies can check), not clear if anything is needed to support this (most companies seems to think not).

Corrections

[R2-2206044](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206044.zip) PEI and subgrouping Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

DISCUSSION W1

- Ericsson proposes: On last cell inconsistency with Core Network and providing lastcellupdate in RRC relase, wait for RAN3

P1

- Nokia think there is no impact, already agreed last meeting that we can have 1. ZTE agree etc.

- Ericsson think this need to be clarified as it otherwise introduces a case that doesn’t make sense.

P2

- ZTE think R1 discuss this. Not needed. MTK confirms that R1 are fixing this.

* P2: R2 assumes that 38.213 is updated e.g. such that *subgroupsNumPerPO* is always present when PEI is configured (i.e. no need to update R2 TS)

[R2-2204722](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204722.zip) [O356] correction on signalling for indication of not supporting subgrouping OPPO draftCR Rel-17 38.331 17.0.0 F NR\_UE\_pow\_sav\_enh-Core

[R2-2204786](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204786.zip) [X107][O357]Discussing on the misalignment of RAN1\_RAN2 on PEI without subgrouping Xiaomi Communications discussion

[R2-2204536](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204536.zip) PEI Monitoring in last cell Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204538](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204538.zip) Selective Monitoring of PDCCH monitoring occasions of PEI Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204730](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204730.zip) Discussion on PEI indication determination in RRC INACTIVE OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204805](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204805.zip) Discussion on remaining issues on paging subgrouping and PEI vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

38304

[R2-2204539](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204539.zip) Corrections for PEI Monitoring Samsung Electronics Co., Ltd draftCR Rel-17 38.304 17.0.0 NR\_UE\_pow\_sav\_enh-Core

38321

[R2-2205212](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205212.zip) Introduction of PEI-RNTI MediaTek Inc., Huawei CR Rel-17 38.321 17.0.0 1262 - F NR\_UE\_pow\_sav\_enh-Core

Not available

R2-2205198 Draft LS on PEI without subgrouping Xiaomi Communications discussion Late

#### 6.9.3.2 RLM and BFD relaxation

Including continuation of TSG RAN discussion whether (and how) impact of signalling restriction (prohibit timer) to consistency of the state understanding between UE and gNB.

* [AT118-e][073][ePowSav] RLM and BFD relaxation (vivo)

Scope: Address remaining issues, from tdocs under 6.9.3.2. not already addressed, e.g. by CR rapporteurs, Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc.

Intended outcome: Report

Deadline: for CB W2 Tuesday

R2-2206532 Report of [AT118-e][073][ePowSav] RLM and BFD relaxation (vivo) vivo

DISCUSSION

P5

* CATT want to add no TS change, Nokia agrees.
* QC wonder if the UE will report pingpong state changes during prohibit timer. CATT think the UE will report. QC has a different view. ZTE FW vivo agree with QC,
* Vivo think the current TS is clear.
* Chair think the current TS text need to be understood.

P10

* Chair wonder if the addition of SCell is really significant.
* CATT think we skip this proposal and just discuss detailed wording of the LS.

P12

* Xiaomi wonder R4 is discussing. Vivo think they are consistent.

P13

* HW would support capture in R2 TS

P15

* Xiaomi wonder of this would be captured in 37340. ZTE Nokia CATT agrees. Vivo think 331.

P4

* ZTE, Xiaomi agree w P4

P13

* CATT can compromise as long as this do not contradict R4.
* [RIL: X117] and [RIL: X118] are not agreed.
* Regarding the handling of potential state changes during the prohibit timer running: UE will initiate the report of relaxation state after the expiration of prohibit timer, if the relaxation state at this point in time is different to the last report.
* The proposal 3 in [R2-2205408] and proposal 1 in [R2-2205575] are not agreed.
* Remove the “*Editor’s NOTE: Whether serving cell quality criterion is configured per Scell for BFD needs RAN4 confirmation.*” in RRC specification, which is already implemented in the latest RRC CR.
* For low mobility criterion, reuse the values of Rel-16 s-SearchDeltaP and t-SearchDeltaP for Rel-17 *s-SearchDeltaP-Connected* and *t-SearchDeltaPConnected*, respectively. Remove “*Editor's NOTE: Values and range of SearchDeltaP-Connected and t-SearchDeltaP-Connected are still FFS in RAN4.*”.
* For the R17 low mobility criterion, the UE considers the relaxed measurement criterion is fulfilled only when the defined criterion formula is fulfilled for a period of TSearchDeltaP-Connected. (Assume this is consistent with RAN4 decisions).
* V140 is agreed.
* MN informs SN when low mobility criterion has been configured in NR PCell. How to capture it could be further discussed in CR (assume impact to 38331 and 37340)
* P2, P3-1, P3-2, P3-3 on whether RLM/BFD relaxation and SCG deactivation with bfd-and-RLM configuration can be configured simultaneously, and related consequences, are postponed
* RAN2 understand UAI reporting for BFD relaxation state should not be initiated for a deactivated SCell. Current specification could cover this case.
* Agree with the TP provided in R2-2205351, i.e. capture TSearchDeltaP-Connected for low mobility criterion in RAN2 specification (as long as this does not contradict R4).

*Chair: LS to R4, approval offline.*

General

[R2-2205095](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205095.zip) [M001][N103][V138] Open Issues for RLM/BFD Relaxation MediaTek Inc. discussion

[R2-2205408](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205408.zip) Considerations On [RIL]s For BFR&RLM Relaxation ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

RLM/BFD relaxation reporting

Prohibit timer

[R2-2204807](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204807.zip) Discussion on prohibit timer for RLM/BFD relaxation reporting vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2206045](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206045.zip) Relaxed RLM and BFD measurements Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205575.zip) Further considerations on RLM BFD relaxation CMCC discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

DISCUSSION W1

Only: Prohibit timer aspects of the three tdocs above

Alt 0: Do nothing (just remove the editors note) the network need to configure the prohibit timer properly.

Alt 1: To make state transition dep on prohibit timer

Alt 2: Prohibit timer only applies in one state-transition direction

- IDT think both Alt1 and Alt2 can and should work together.

- Chair: SOH show a clear majority prefer alt 0.

- QC think that the Alt1 proposal goes against plenary agreement, so it is not acceptable. Chair: some other companies also express negative views in Alt1.

* Do nothing (just remove the editors note for prohibit timer). R2 expect that the network need to configure the prohibit timer properly.

[R2-2205591](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205591.zip) RLM/BFD Relaxation Reporting Interdigital, Inc. discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204731](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204731.zip) Discussion on UAI for relaxation state for RLM and BFD OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204745](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204745.zip) Discussion on UE relaxation status reporting Spreadtrum Communications discussion Rel-17

[R2-2205653](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205653.zip) Enhanced NR UE Power Save - RLM/BFD Measurement Relaxation Indication Apple discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205213](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205213.zip) Discussion on remaining issues on prohibit timer of UAI Xiaomi Communications discussion

[R2-2205348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205348.zip) Remaining issues on the prohibit timer for RLM/BFD relaxation Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205409](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205409.zip) Considerations On the RLM&BFD Relaxation Indication to NW ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204888](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204888.zip) Discussion on UE reporting for RLM BFD relaxation NEC Europe Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204974.zip) UE assistance information for RLM/BFD relaxation CATT discussion NR\_UE\_pow\_sav\_enh-Core

[R2-2205410](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205410.zip) CR in 38.331 For indication of RLM&BFD relaxation to NW ZTE Corporation,Sanechips CR Rel-17 38.331 17.0.0 3085 - F NR\_UE\_pow\_sav\_enh-Core

[R2-2205349](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205349.zip) Correction for the prohibit timer for RLM/BFD relaxation Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3071 - F NR\_UE\_pow\_sav\_enh-Core

other

[R2-2205286](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205286.zip) [J005] Clarification on the state report of RLM/BFD relaxation Sharp discussion Rel-17

[R2-2205219](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205219.zip) [X118]Correction on the UAI reporting for RLM\_BFD relaxation Xiaomi Communications draftCR Rel-16 38.331 16.8.0 NR\_UE\_pow\_sav\_enh-Core

Inter node coord

[R2-2204975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204975.zip) [V137]Low mobility criterion in NR-DC CATT discussion NR\_UE\_pow\_sav\_enh-Core

[R2-2205412](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205412.zip) Further Considerations On the RLM&BFD relaxation in DC Mode ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Criteria

[R2-2205351](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205351.zip) Discussion on the fulfilment condition for low mobility criterion Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Configuration

[R2-2204806](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204806.zip) [V135-V139, V141-143] Remaining issues on configuration for RLM/BFD relaxation vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204721](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204721.zip) [O375] correction on RLM/BFD relaxation OPPO draftCR Rel-17 38.331 17.0.0 F NR\_UE\_pow\_sav\_enh-Core

[R2-2205350](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205350.zip) Correction for the criteria configuration for RLM and BFD Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3072 - F NR\_UE\_pow\_sav\_enh-Core

#### 6.9.3.3 Other

FFS points: For the case when the UE ignores PDCCH skipping on all serving cells of the corresponding CG while SR is pending, FFS if “all” can be further restricted.

PDCCH Skipping

* [AT118-e][074][ePowSav] PDCCH skipping (Samsung)

Scope: Address remaining issues, from tdocs under 6.9.3.3. not already addressed, e.g. by CR rapporteurs, Identify agreements, discussion points, agreeable TPs/draft CRs when applicable etc. agreeable LS out, if found needed.

Intended outcome: Report, LS out

Deadline: for CB W2 Tuesday

[R2-2206487](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206487.zip) Report of [AT118-e][074][ePowSav] PDCCH skipping (Samsung) Samsung

DISCUSSION

* MTK has sympathy for further enh but no more time.
* QC think it si unfortunate that companies cannot converge, as this has power consumption conseq for FR1 FR2 case. E,g, voice on lower freq, and SR related to voice lead to PDCCH skip being ignored also on FR2. QC think we just “ignore PDCCH skip on allowed serving cells”. MTK have some sympathy for this. Apple and Nokia also agrees with QC.
* ZTE think that allowed serving cell is not stable, e.g. when used for CA duplication. QC think that PDCCH skipping is for a different use case, CA is for URLLC.
* Nokia wonder if we can consider that this is applicable for only cells with UL PUSCH. QC are ok with Nokia proposal. LGE think also this proposal will bring followup proposals.
* Ericsson think this timer is most of the time not running. In the case of voice short DRX is more applicable than skip commands. OK to go for the simple approach. Huawei agrees.
* ZTE think that a SR resource is applicable for multiple purposes.
* QC think that for R17 we have multiple PUCCH groups, inter band CA, inter FR CA ..
* LGE think this is a small optimization, not to be done in Rel17.

*Chair: Have sympathy for these proposals but given the comments provided expect this not to be immediately resolved.*

P3

* Nokia think O1 or O2 are both ok. QC think O2 or O3.
* Vivo think this is being discussed in R1.
* LGE, QC, ZTE, vivo think this is discussed in R1.

*Chair: then we leave it to RAN1*

* UE ignores PDCCH skipping on all serving cells of the corresponding Cell Group while SR is pending. Further enhancements on restricting the serving cells where UE skip PDCCH while SR is pending are not pursued.

Draft LS out

[R2-2205795](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205795.zip) [Draft] Reply LS to RAN1 on PDCCH skipping vivo LS out Rel-17 NR\_UE\_pow\_sav\_enh-Core To:RAN1

SR

[R2-2205352](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205352.zip) Discussion on PDCCH skipping while SR is pending Huawei, HiSilicon discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205751](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205751.zip) PDCCH monitoring adaptation Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204732](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204732.zip) Discussion on PDCCH skipping OPPO discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205435](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205435.zip) Discussion on PDCCH skipping while SR is pending LG Electronics Deutschland discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205411](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205411.zip) Considerations On the Left Issue For PDCCH Skipping ZTE Corporation,Sanechips discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204535](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204535.zip) PDCCH skipping in RRC\_CONNECTED and SR Samsung Electronics Co., Ltd discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204808](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204808.zip) Discussion on issues for PDCCH skipping vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2205024](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205024.zip) Remaining issues on PDCCH adaptation Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2206031](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206031.zip) Discussion on PDCCH skipping with pending SR Qualcomm Incorporated discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

TRS CSI-RS

[R2-2204809](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204809.zip) Discussion on TRS availability when SI change vivo discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

[R2-2204908](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204908.zip) TRS/CSI-RS configuration in RRC\_CONNECTED DENSO CORPORATION discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core R2-2203068

[R2-2206046](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206046.zip) TRS and CSI-RS exposure Ericsson discussion Rel-17 NR\_UE\_pow\_sav\_enh-Core

Withdrawn

R2-2205025 Correction on PDCCH adaptation IEs Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3034 - F NR\_UE\_pow\_sav\_enh-Core Withdrawn

### 6.9.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

[R2-2205752](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205752.zip) UE capabilities for UE power saving 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)

RAN2 parts of the WI has been declared 100% complete. The exception sheet in RP-220209 contains RAN4 impacts.

Tdoc Limitation: 8 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.

[R2-2205027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205027.zip) Discussion on CT1 LS about NR satellite RAT type in UE NAS CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205028](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205028.zip) [DRAFT] Reply LS on NR satellite RAT type in UE NAS CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1 Cc:RAN3, SA2

[R2-2205448](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205448.zip) NTN ASN1 RIL list Ericsson discussion NR\_NTN\_solutions-Core Late

#### 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.

[R2-2204450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204450.zip) LS on introducing the list of PLMNs not allowed to operate at the present UE location (C1-222096; contact: CMCC) CT1 LS in Rel-17 5GSAT\_ARCH-CT To:RAN2

[R2-2204468](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204468.zip) Reply LS on NTN-specific SIB (R1-2202843; contact: Huawei) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

[R2-2204470](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204470.zip) Reply LS to RAN2 on NR NTN Neighbour Cell and Satellite Information (R1-2202873; contact: Thales) RAN1 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2

[R2-2204496](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204496.zip) Reply LS on UE location during initial access in NTN (R3-222861; contact: Thales RAN3 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN2 Cc:CT1, SA3, SA2

[R2-2204520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204520.zip) Reply LS on RAN Initiated Release due to out-of-PLMN area condition (S2-2203242; contact: Samsung) SA2 LS in Rel-17 NR\_NTN\_solutions-Core To:RAN3 Cc:CT1, RAN2

[R2-2205158](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205158.zip) Impact on Cell selection/re-selection by the new PLMN list from CT1 CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205159](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205159.zip) draft Reply LS on introducing the list of PLMNs not allowed to operate at the present UE location CMCC LS out Rel-17 NR\_NTN\_solutions-Core To:CT1

[R2-2206041](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206041.zip) Discussion on ambiguity of cell-specific K\_offset Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

[R2-2204627](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204627.zip) Support of UE location in Non-Terrestrial Networks THALES draftCR Rel-17 38.300 17.0.0 NR\_NTN\_solutions

[R2-2204628](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204628.zip) SAN for NTN based NG-RAN THALES discussion Rel-17 38.300 NR\_NTN\_solutions

[R2-2205463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205463.zip) Correction for NR NTN WI Ericsson CR Rel-17 38.331 17.0.0 3088 - F NR\_NTN\_solutions-Core Late

[R2-2206088](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206088.zip) Summary of NTN RIL resolutions pre118 Ericsson discussion NR\_NTN\_solutions-Core

### 6.10.2 User Plane

#### 6.10.2.1 Known Corrections

Corrections/clarifications for already known issues, e.g. details of support for blind Msg3 retransmission, details of TA reporting during RA (e.g. on when to send TA report if RA triggered by upper layers), implementation of HARQ RTT Timer extension (coordination with RRC spec), UE behaviour upon validity timer expiry (confirmation of WA)

[R2-2204556](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204556.zip) Corrections on the TAR triggers based on RRC procedures in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204557](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204557.zip) On corrections on random access procedure in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204558](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204558.zip) On corrections to DRX procedure and TA reporting procedure in TS 38.321 vivo discussion NR\_NTN\_enh-Core

[R2-2204656](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204656.zip) TA report trigger in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2984 - F NR\_NTN\_solutions-Core

[R2-2204657](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204657.zip) Handling the loss of UL synchronization Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2985 - F NR\_NTN\_solutions-Core

[R2-2204733](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204733.zip) Discussion on ra-ContentionResolutionTimer in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204734](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204734.zip) left issue on TA report triggered SR OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204735.zip) Further discussion on validity timer impacts in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204748](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204748.zip) MAC operations about the validity timer expiry Spreadtrum Communications discussion Rel-17

[R2-2205134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205134.zip) Corrections for TA report ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205135.zip) Discussion on TP for blind Msg3 retransmission ASUSTeK discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205232](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205232.zip) UE Behavior upon Validity Timer Expiry CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205240](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205240.zip) Discussion on remaining issues LG Electronics Inc. discussion NR\_NTN\_solutions-Core

[R2-2205358](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205358.zip) Clarification on contention Resolution timer behavior ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205359](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205359.zip) Consideration on RTT timer extension implementation ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205403](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205403.zip) Remaining issues related to NTN validity timer Xiaomi discussion Rel-17

[R2-2205477](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205477.zip) Discussion on Contention Resolution timer expiry Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205478](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205478.zip) Further consideration on TA report MAC CE Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205596](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205596.zip) Further consideration on TA report ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205694](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205694.zip) Discussion on MAC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205702](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205702.zip) Consideration on validity timer related issues ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205720](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205720.zip) Discussion on user plane known issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205721](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205721.zip) CR for Contention Resolution failure, SR and TA MAC CE report Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1284 - F NR\_NTN\_solutions-Core

[R2-2205954](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205954.zip) HARQ RTT timer extention InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205955](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205955.zip) TA Reporting during Random Access InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205956](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205956.zip) UE behaviour upon validity timer expiry InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205994](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205994.zip) Known NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.2.2 Other

Contributions on any other UP issues.

[R2-2204559](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204559.zip) Miscellaneous corrections on TS 38.321 for NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2205231](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205231.zip) The Modification of TA Reporting Triggering Condition CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205340.zip) CG enhancements in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core R2-2200911

[R2-2205360](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205360.zip) Discussion on co-existence of Msg3 repetition and NTN ZTE Corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205722](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205722.zip) On other user plane issues for NR NTN Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205995](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205995.zip) Other NR NTN user plane issues Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205999](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205999.zip) Correction to NR NTN epoch time definition Sequans Communications discussion Rel-17 NR\_NTN\_solutions-Core

### 6.10.3 Control Plane

[R2-2205110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205110.zip) Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core Revised

[R2-2206035](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206035.zip) Remaining issues on idle/inactive mode and RRC aspects LG Electronics France discussion Rel-17 NR\_NTN\_solutions-Core [R2-2205110](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205110.zip) Late

#### 6.10.3.1 Idle/inactive mode aspects

##### 6.10.3.1.1 Known Corrections

Corrections/clarifications for already known issues, e.g. location based cell reselection, access barring (UE behavior), SIBxx processing (details on UE operation)

[R2-2204563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204563.zip) Remaining issue on access barring for NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204592](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204592.zip) Discussion on remaining issue of NTN idel/inactive mode Transsion Holdings discussion Rel-17

[R2-2204658](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204658.zip) TN NTN barring mechanism Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2986 - F NR\_NTN\_solutions-Core

[R2-2204709](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204709.zip) Discussion on location-based cell reselection in NTN OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205094](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205094.zip) Remaining issue on idle/inactive mode ITL discussion Rel-17

[R2-2205234](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205234.zip) Discussion on the parameters influencing SI modification procedure CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205236](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205236.zip) Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

[R2-2205237](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205237.zip) Discussion on the access barring in NTN CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205301](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205301.zip) Discussion on SIB19 processing and updating Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205302](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205302.zip) Discussion on access barring Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205371](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205371.zip) Discussion on remaining issues on RRC idle mode Xiaomi discussion

[R2-2205405](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205405.zip) Further Discussion on Cell Reselection CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205528](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205528.zip) Resolving open NTN issues for IDLE mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205530](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205530.zip) Assistance information for UE-based SMTC adjustment in idle and inactive mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205531](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205531.zip) Rel-17 NTN corrections to 38.304 Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.0.0 0245 - F NR\_NTN\_solutions-Core

[R2-2205533](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205533.zip) Cell reselection with distance threshold Samsung discussion

[R2-2205571](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205571.zip) Left over issues in idle and inactive mode in NTN ZTE corporation, Sanechips discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205573](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205573.zip) Reporting UE location to the Network in NTN Samsung R&D Institute UK discussion

[R2-2205691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205691.zip) Adding SMTC4 for idle/inactive state Apple CR Rel-17 38.331 17.0.0 3114 - F NR\_NTN\_solutions-Core

[R2-2205696](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205696.zip) Open issues on acquiring SIB Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205740.zip) Distance based cell reselection NEC Telecom MODUS Ltd. discussion

[R2-2205753](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205753.zip) NTN Access barring and UE behaviour NEC Telecom MODUS Ltd. discussion

[R2-2205754](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205754.zip) RIL# H803/TS38.300: Clarification on SIB19 Provisioning NEC Telecom MODUS Ltd. discussion

[R2-2205865](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205865.zip) NR NTN idle mode issues Ericsson discussion NR\_NTN\_solutions-Core

[R2-2206029](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206029.zip) UE based SMTC adjustment LG Electronics Inc. discussion Rel-17

##### 6.10.3.1.2 Other

Contributions on any other idle/inactive mode issues.

[R2-2205029](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205029.zip) Discussion on cell reselection CMCC discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205303](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205303.zip) [H803] Discussion on on-demand SIB for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205471.zip) RIL V313 and PLMN aspects Ericsson discussion NR\_NTN\_solutions-Core Late

#### 6.10.3.2 RRC aspects

##### 6.10.3.2.1 Known Corrections

Corrections/clarifications for already known issues, e.g. RRC signaling for: HARQ RTT timer extension, assistance information (e.g., differential propagation delay) for SMTC configuration and neighbor cell satellite information; further details for measurement/location reports; CHO configuration after T2 expiry

[R2-2204560](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204560.zip) [V320] CGI reporting in R17 NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204561](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204561.zip) [V319][V305][V310] Remaining issues on signalling design and corresponding procedures for neighbour cell assistance information in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204562.zip) [V313] On the issue for RAN area code configuration in NR NTN vivo discussion NR\_NTN\_enh-Core

[R2-2204659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204659.zip) Time-based CHO after T2 Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2987 - F NR\_NTN\_solutions-Core

[R2-2204660](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204660.zip) Assistance information for IDLE mode measurements in NTN Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2988 - F NR\_NTN\_solutions-Core

[R2-2204663](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204663.zip) SMTC and MG configuration Qualcomm Incorporated discussion Rel-17 NR\_NTN\_solutions-Core R2-2202564

[R2-2204713](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204713.zip) Discussion on implementing HARQ RTT timer extension OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204714](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204714.zip) Discussion on neighbour cell's epoch time and Koffset's ambiguity issue OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204715](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204715.zip) Discussion on assistance information for IDLE mode and CONNECTED mode measurement OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2204717](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204717.zip) [O358] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204718](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204718.zip) [O355] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204719.zip) [O354] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204720](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204720.zip) [O350] NTN RRC correction OPPO draftCR Rel-17 38.331 17.0.0 F NR\_NTN\_solutions-Core

[R2-2204749](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204749.zip) Discussion on SIB X acquiring procedure Spreadtrum Communications discussion Rel-17

[R2-2204750](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204750.zip) Acquiring the ephemeris of neighbour cell Spreadtrum Communications discussion Rel-17

[R2-2204963](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204963.zip) Remaining issues of provisioning neighbor cell satellite information Lenovo discussion Rel-17

[R2-2204964](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204964.zip) Remaining details of UE assistance reporting and CHO Lenovo discussion Rel-17

[R2-2205224](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205224.zip) [X704] Correction for Event D1 Xiaomi Communications discussion Rel-17

[R2-2205225](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205225.zip) Remaining issues of NTN CHO Xiaomi Communications discussion Rel-17

[R2-2205230](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205230.zip) Correction on HARQ RTT Timer extension in TS38.331 CATT draftCR Rel-17 38.331 17.0.0 NR\_NTN\_solutions-Core

[R2-2205233](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205233.zip) Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core Withdrawn

[R2-2205235](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205235.zip) Further Discussion on CHO CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205304](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205304.zip) Discussion on SMTC and gaps Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205305](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205305.zip) Discussion on time/location based mobility Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205341](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205341.zip) CHO configuration after T2 expiry Sony discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205342](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205342.zip) Event triggered location reporting in NTN Sony discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205372](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205372.zip) Assistance information for neighbour cell measurement Xiaomi discussion

[R2-2205401](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205401.zip) Further details for coarse location report for NR NTN Xiaomi discussion Rel-17

[R2-2205402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205402.zip) [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi discussion Rel-17

=> Revised in [R2-2206057](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206057.zip)

[R2-2206057](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206057.zip) [RIL]X601/O350/M403: Introducing NTN validity timer in RRC Xiaomi, MediaTek discussion Rel-17

[R2-2205404](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205404.zip) Discussion on Neighbor Cell Satellite Information CATT discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205436](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205436.zip) RIL: M404, V318, Z550 CHO configuration discarded or retained after T2 Ericsson discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205438](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205438.zip) SMTC for RRC\_IDLE and RRC\_INACTIVE state in NR NTN Ericsson discussion NR\_NTN\_solutions-Core

[R2-2205529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205529.zip) Resolving open NTN issues for CONNECTED mode Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205574.zip) Coarse location format Ericsson discussion NR\_NTN\_solutions-Core

[R2-2205589](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205589.zip) SMTC Offset and Change Rate Google Inc. discussion Rel-17

[R2-2205650](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205650.zip) Cell-specific K\_offset ambiguity Apple discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205651.zip) Epoch time and validity timer expiry Apple discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205697](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205697.zip) Discussion on CHO open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205698](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205698.zip) Discussion on SMTC open issues Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2205957](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205957.zip) Time-based CHO configuration after T2 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205958](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205958.zip) Configuration of Timing Advance reporting in TS 38.331 InterDigital discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2206030](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206030.zip) Propagation delay difference reporting LG Electronics Inc. discussion Rel-17 Late

[R2-2206090](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206090.zip) [O350][X601][L014][L015][M403]Correction on maintenance of validity timer Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3167 - F NR\_NTN\_solutions-Core

##### 6.10.3.2.2 Other

Contributions on any other RRC issues.

[R2-2204661](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204661.zip) Reporting SMTC issue in measurement results Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2989 - F NR\_NTN\_solutions-Core

[R2-2204716](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204716.zip) Discussion on connected mode measurement start OPPO discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205030](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205030.zip) Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core Revised

[R2-2205226](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205226.zip) Discussion on performing measurements for NTN CHO Xiaomi Communications discussion Rel-17

[R2-2205592](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205592.zip) Essential system information missing for NTN Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205621](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205621.zip) [L011] TP on MR triggered by event D1 LG Electronics France discussion

[R2-2205623](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205623.zip) [L014] TP on Ul sync assist info validity LG Electronics France discussion

[R2-2205700](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205700.zip) RILs on epoch time Samsung Research America discussion NR\_NTN\_solutions-Core

[R2-2206036](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206036.zip) Discussion on SMTC and MG configuration for connected mode in NTN CMCC discussion Rel-17 NR\_NTN\_solutions-Core [R2-2205030](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205030.zip) Late

[R2-2206068](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206068.zip) [H800] Discussion on condEventD1 Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2206069](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206069.zip) [H801] Corrections on eventD1 Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3155 F NR\_NTN\_solutions-Core

[R2-2206112](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206112.zip) [H024] Adding a conditional presence to ntn-UlSyncValidityDuration Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3172 - F NR\_NTN\_solutions-Core

### 6.10.4 UE capabilities

[R2-2205572](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205572.zip) On NTN capabilities Ericsson discussion NR\_NTN\_solutions-Core Late

#### 6.10.4.1 Known remaining issues

Corrections/clarifications for already known issues, e.g. structure, IoT bits, Fixed Dish type UE without GNSS module but with GNSS coordinates

[R2-2204662](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204662.zip) NTN UE capability signalling Qualcomm Incorporated CR Rel-17 38.331 17.0.0 2990 - F NR\_NTN\_solutions-Core

[R2-2204843](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204843.zip) Discussion on remaining issues on NTN UE capabilities Intel Corporation, THALES discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205306](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205306.zip) Discussion on UE capabilities for NTN Huawei, HiSilicon discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205593](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205593.zip) NTN-only UE Interdigital, Inc. discussion Rel-17 NR\_NTN\_solutions-Core

[R2-2205701](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205701.zip) Open issues on UE capabilities Samsung Research America discussion Rel-17 NR\_NTN\_solutions-Core

#### 6.10.4.2 Other

Contributions on any other issues.

[R2-2204842](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204842.zip) Clarification on TA reporting UE capability Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_NTN\_solutions-Core

## 6.11 NR positioning enhancements

(NR\_pos\_enh-Core; leading WG: RAN1; REL-17; WID: RP-210903)

WI has been declared 100% complete.

### 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.

[R2-2204420](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204420.zip) Reply LS on positioning issues needing further input (R1-2202849; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN3

[R2-2204424](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204424.zip) Reply LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R1-2202912; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2 Cc:RAN3, SA2

[R2-2204425](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204425.zip) LS on multiple measurement instances (R1-2202922; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN3

[R2-2204441](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204441.zip) Response LS on determination of location estimates in local co-ordinates (S2-2201545; contact: Ericsson) SA2 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2 Cc:RAN1, RAN3

[R2-2204464](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204464.zip) LS on frequency information of SRS for positioning resources (R1-2202847; contact: CATT) RAN1 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN3

[R2-2204477](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204477.zip) LS on lower Rx beam sweeping factor for latency improvement (R4-2206980; contact: Intel) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1 Cc:RAN2

[R2-2204478](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204478.zip) LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2

[R2-2204491](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204491.zip) Questions concerning the implementation of RAN1 agreements in NRPPa (R3-222721; contact: Ericsson) RAN3 LS in Rel-17 NR\_pos\_enh-Core To:RAN1, RAN2 Cc:RAN4

[R2-2204508](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204508.zip) Reply LS on latency improvement for PRS measurement with MG (R4-2207088; contact: Huawei) RAN4 LS in Rel-17 NR\_pos\_enh-Core To:RAN2, RAN1 Cc:RAN3

[R2-2204521](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204521.zip) Reply LS on Positioning in RRC\_INACTIVE State (S2-2203250; contact: Huawei) SA2 LS in Rel-17 5G\_eLCS\_ph2 To:RAN2 Cc:RAN3

[R2-2206150](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206150.zip) Response LS to RTCM SC134 on GNSS integrity (RTCM; contact: ESA) RTCM LS in Rel-17 NR\_pos\_enh-Core To:RAN2

[R2-2204684](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204684.zip) [Draft] Reply LS on the response of the positioning issues from RAN1(R1-2202849; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3

[R2-2204685](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204685.zip) Reply LS on the reply LS on Positioning Reference Units (PRUs) for enhancing positioning performance (R1-2202912; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3, SA2

[R2-2204686](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204686.zip) Reply LS on multiple measurement instances (R1-2202922; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3

R2-2204687 Reply LS on frequency information of SRS for positioning resources (R1-2202847; contact: CATT) CATT LS out Rel-17 To:RAN1 Cc:RAN3 Late

[R2-2204688](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204688.zip) Reply LS on the UE/TRP TEG framework (R4-2206998; contact: CATT) CATT LS out Rel-17 To:RAN4 Cc:RAN1,RAN3

[R2-2204930](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204930.zip) Open issues on TS38.305 Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2204931](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204931.zip) 38.305 CR for Positioning WI Intel Corporation draftCR Rel-17 38.305 17.0.0 F NR\_pos\_enh-Core

[R2-2204934](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204934.zip) Known corrections/issues for the correction phase on Rel-17 positioning WI Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2204995](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204995.zip) Corrections on stage 2 for path RSRP Huawei, HiSilicon CR Rel-17 38.305 17.0.0 0092 - F NR\_pos\_enh-Core

[R2-2205828](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205828.zip) Summary of LPP Updates and Open Issues Qualcomm Incorporated discussion

[R2-2205829](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205829.zip) LPP Updates Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

[R2-2205859](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205859.zip) Correction based upon Positioning RILs Ericsson CR Rel-17 38.331 17.0.0 3121 - F NR\_pos\_enh-Core Late

### 6.11.2 Essential corrections

No documents should be submitted to 6.11.2. Please submit to 6.11.2.x.

#### 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.

[R2-2204699](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204699.zip) Discussion on the positioning MG activation deactivation MAC CE CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204700](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204700.zip) Correction on the positioning MG activation deactivation MAC CE CATT CR Rel-17 38.321 17.0.0 1229 - F NR\_pos\_enh-Core

[R2-2204701](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204701.zip) Discussion on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204702](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204702.zip) Correction on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT CR Rel-17 38.321 17.0.0 1230 - F NR\_pos\_enh-Core

[R2-2204703](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204703.zip) Correction on the cancel conditions of the triggered UL positioning MG activation/deactivation MAC CE CATT CR Rel-17 38.331 17.0.0 2996 - F NR\_pos\_enh-Core

R2-2204704 Corrections on the TS38.305 CATT CR Rel-17 38.305 17.0.0 0090 - F NR\_pos\_enh-Core Late

[R2-2204742](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204742.zip) Corrections on the TS38.321 CATT CR Rel-17 38.321 17.0.0 1228 - F NR\_pos\_enh-Core

[R2-2204996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204996.zip) Corrections on MAC CE for Positioning Measurement Gap Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1244 - F NR\_pos\_enh-Core

[R2-2205309](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205309.zip) Correction on pre-configured MG procedure in 38.321 ZTE, Sanechips CR Rel-17 38.321 17.0.0 1271 - F NR\_pos\_enh-Core

[R2-2205311](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205311.zip) Discussion on the pre-configured MG signaling ZTE, Sanechips discussion Rel-17 NR\_pos\_enh-Core

[R2-2205579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205579.zip) Discussion on the handling of pre-MG for positioning vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205656](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205656.zip) Definition of positioning measurement gap activation/deactivation MAC CE Apple CR Rel-17 38.321 17.0.0 1278 - F NR\_pos\_enh-Core

[R2-2205764](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205764.zip) Issues with PRS Processing Window Procedures Qualcomm Incorporated discussion

[R2-2205766](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205766.zip) Assistance Data Request for Multiple Area IDs Qualcomm Incorporated discussion

[R2-2205804](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205804.zip) Text Proposal to address UE request of Area Info and Broadcast of Area Ericsson, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility discussion Rel-17

=> Revised in R2-2206331

R2-2206331 Text Proposal to address UE request of Area Info and Broadcast of Area Ericsson, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility discussion Rel-17

[R2-2205808](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205808.zip) Correction to activate pre-configured PPW Signaling Ericsson CR Rel-17 38.305 17.0.0 0097 - F NR\_pos\_enh-Core

[R2-2205809](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205809.zip) Correction of PPW Activation/Deactivation Command MAC CE size description Ericsson CR Rel-17 38.321 17.0.0 1285 - F NR\_pos\_enh-Core

[R2-2205810](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205810.zip) Clarification on PPW and MG configuration to the same UE and miscellaneous corrections Ericsson CR Rel-17 38.305 17.0.0 0098 - F NR\_pos\_enh-Core

[R2-2205812](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205812.zip) UL MAC CE for preconfigured MG Ericsson discussion Rel-17

[R2-2205814](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205814.zip) On PPW Configuration Release assistance info Ericsson discussion Rel-17

[R2-2206147](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206147.zip) Summary of AI 6.11.2.1 on latency ZTE Corporation discussion Rel-17 NR\_pos\_enh-Core

=> Revised in [R2-2206340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206340.zip)

[R2-2206340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206340.zip) Summary of AI 6.11.2.1 on latency ZTE, Sanechips discussion Rel-17 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.

[R2-2204691](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204691.zip) Further consideration on Periodic and Triggered 5GC-MT-LR Procedure in RRC INACTIVE state CATT discussion

[R2-2204692](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204692.zip) [Draft] Rely LS on Positioning in RRC\_INACTIVE CATT LS out Rel-17 To:SA2 Cc:RAN3

[R2-2204693](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204693.zip) Consideration on positioning SRS configuration for RRC\_INACTIVE CATT discussion

[R2-2205012](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205012.zip) Correction to beam consolidation for posSRS in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1245 - F NR\_pos\_enh-Core

[R2-2205013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205013.zip) [H572] Correction for beam consolidation for TA validation in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3030 - F NR\_pos\_enh-Core

[R2-2205368](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205368.zip) Corrections on Maintenance of Uplink Time Alignment Xiaomi discussion

[R2-2205580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205580.zip) Discussion on the remaining issue about positioning in RRC\_INACTIVE vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2206052](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206052.zip) Summary of AI 6.11.2.2 on RRC\_INACTIVE vivo discussion Rel-17 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.

[R2-2205007](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205007.zip) [H011] TRP config for on-demand PRS Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0342 - F NR\_pos\_enh-Core

[R2-2205011](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205011.zip) [H057] Discussion on UE-initiated on-demand PRS Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2205581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205581.zip) Discussion on the mismatch between the on-demand PRS procedure of RAN2 and RAN3 vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205805](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205805.zip) On UE measurements to allow On-Demand PRS Ericsson, Nokia, Fraunhofer IIS, Fraunhofer HHI, Lenovo, Motorola Mobility CR Rel-17 38.305 17.0.0 0095 - F NR\_pos\_enh-Core

[R2-2206058](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206058.zip) [Pre118-e][605][POS] Summary of AI 6.11.2.3 on on-demand PRS (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

#### 6.11.2.4 GNSS positioning integrity

Signalling and procedures to support GNSS positioning integrity determination.

[R2-2204997](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204997.zip) Draft LS to SA1/SA2 on GNSS integrity Huawei, HiSilicon LS out Rel-17 NR\_pos\_enh-Core To:RAN1

[R2-2205017](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205017.zip) Correction to stage2 on service level support for GNSS integrity Huawei, HiSilicon CR Rel-17 38.305 17.0.0 0093 - F NR\_pos\_enh-Core

[R2-2205488](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205488.zip) Corrections on Positioning Integrity parameter table Samsung R&D Institute UK draftCR Rel-17 38.305 17.0.0 NR\_pos\_enh-Core

[R2-2205815](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205815.zip) Remaining issues for integrity Ericsson discussion Rel-17

[R2-2206037](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206037.zip) [C002] Correction on the Note of the Protection Level (PL) CATT CR Rel-17 37.355 17.0.0 0348 - F NR\_pos\_enh-Core

=> Revised in [R2-2206067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206067.zip)

[R2-2206067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206067.zip) [C002] Correction on the Note of the Protection Level (PL) CATT CR Rel-17 37.355 17.0.0 0348 1 F NR\_pos\_enh-Core

[R2-2206092](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206092.zip) Summary of GNSS Positioning Integrity AI 6.11.2.4 Ericsson discussion Rel-17 NR\_pos\_enh-Core

#### 6.11.2.5 A-GNSS enhancements

Including support of BDS B2a and B3I signals and support of NavIC.

[R2-2204689](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204689.zip) Correction on the reference file of BDS Signal B3I CATT, CAICT CR Rel-17 36.305 17.0.0 0108 - F NR\_pos\_enh-Core

[R2-2204690](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204690.zip) Correction on the reference file of BDS Signal B3I CATT, CAICT CR Rel-17 38.305 17.0.0 0087 - F NR\_pos\_enh-Core

#### 6.11.2.6 Accuracy enhancements

Input on the accuracy enhancement objectives led by RAN1.

[R2-2204696](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204696.zip) Discussion on R17 positioning enhancement impacts on stage-2 specification CATT discussion Rel-17 NR\_pos\_enh-Core

[R2-2204697](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204697.zip) Introduction of R17 NRPPa related positioning enhancement to TS38.305 CATT CR Rel-17 38.305 17.0.0 0091 - F NR\_pos\_enh-Core

[R2-2204698](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204698.zip) [Draft] LS to RAN3 on introduction of R17 NRPPa related positioning enhancement to TS38.305 CATT LS out Rel-17 To:RAN3

[R2-2204705](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204705.zip) Discussion on the LS on the framework of UE/TRP Rx TEG CATT discussion Rel-17

[R2-2204706](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204706.zip) Discussion on the left issues on UE TxTEG report in RRC and LPP protocols CATT discussion

[R2-2204707](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204707.zip) [C243] Correction on the UE TxTEG report in TS 38.331 CATT CR Rel-17 38.331 17.0.0 2994 - F NR\_pos\_enh-Core

[R2-2204708](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204708.zip) [C013][C014][C015][C016][C017]Corrections on the UE TxTEG report in TS 37.355 CATT CR Rel-17 37.355 17.0.0 0335 - F NR\_pos\_enh-Core

[R2-2204987](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204987.zip) [C011] Correction on the beam antenna information for DL-AoD CATT CR Rel-17 37.355 17.0.0 0336 - F NR\_pos\_enh-Core

[R2-2204988](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204988.zip) [C012] Correction on the selected on-demand PRS configuration for hybrid positioning CATT CR Rel-17 37.355 17.0.0 0337 - F NR\_pos\_enh-Core

[R2-2205003](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205003.zip) [H028] Correction to measurement with multiple TEGs Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0338 - F NR\_pos\_enh-Core

[R2-2205004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205004.zip) [H026][H027][H029][H030] Correction to LOS-NLOS indication Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0339 - F NR\_pos\_enh-Core

[R2-2205005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205005.zip) [H006][H040] Correction to adjacent beam assistance data Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0340 - F NR\_pos\_enh-Core

[R2-2205008](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205008.zip) [H013] Correction to TRP beam antenna info Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0343 - F NR\_pos\_enh-Core

[R2-2205016](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205016.zip) [H060] Correction on DL-AoD additional measurement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3033 - F NR\_pos\_enh-Core

[R2-2205307](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205307.zip) [H026][H029][Z004]Discussion on LOS NLOS indicator in LPP spec ZTE, Sanechips CR Rel-17 37.355 17.0.0 0344 - F NR\_pos\_enh-Core

=> Revised in [R2-2206051](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206051.zip)

[R2-2206051](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206051.zip) [H026][H029][Z004]Discussion on LOS NLOS indicator in LPP spec ZTE, Sanechips CR Rel-17 37.355 17.0.0 0344 1 F NR\_pos\_enh-Core

[R2-2205308](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205308.zip) [Z003][H025]Signaling of measurement instances ZTE, Sanechips CR Rel-17 37.355 17.0.0 0345 - F NR\_pos\_enh-Core

[R2-2205369](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205369.zip) Discussion on the Periodic Tx TEG reporting and preconfigured MG Xiaomi discussion

[R2-2205370](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205370.zip) Remaining issues on positioning reference unit Xiaomi discussion

[R2-2205582](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205582.zip) Discussion on remaining issue about accuracy enhancements vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205654.zip) On periodic UE Tx TEG reporting Apple discussion Rel-17 NR\_pos\_enh-Core

[R2-2205730](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205730.zip) Discussion on UE TX TEG association reporting InterDigital, Inc. discussion Rel-17

[R2-2205806](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205806.zip) Remaining Issues on TEG reporting; failure Handling Ericsson discussion Rel-17

[R2-2205807](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205807.zip) Update of signalling in stage 2 to align with NRPPa Ericsson CR Rel-17 38.305 17.0.0 0096 - B NR\_pos\_enh-Core

[R2-2206083](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206083.zip) [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

=> Revised in [R2-2206333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206333.zip)

[R2-2206333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206333.zip) [Pre118-e][607][POS] Summary of AI 6.11.2.6 on accuracy (CATT) CATT discussion Rel-17

#### 6.11.2.7 UE capabilities

[R2-2204933](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204933.zip) Positioning UE capabilities Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2205009](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205009.zip) [H022] Summary of R2-agreed capabilities for R17 POSenh Huawei, HiSilicon CR Rel-17 38.822 16.3.0 0010 - B NR\_pos\_enh-Core

[R2-2206330](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206330.zip) On Resolving PPW Capability discrepancy Ericsson discussion

#### 6.11.2.8 LPP ASN.1 issues

Any contributions related only to the details of ASN.1 in 37.355. CRs should not be submitted to this agenda item except by the specification rapporteur.

[R2-2204932](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204932.zip) I004 Validity area for preconfigured AD Intel Corporation discussion Rel-17 NR\_pos\_enh-Core

[R2-2205010](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205010.zip) [H042][H004][H012][H025] Draft LS to R1 for remaining issues Huawei, HiSilicon LS out Rel-17 NR\_pos\_enh-Core To:SA1, SA2

[R2-2205430](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205430.zip) Discussion of the need of the area ID for the pre-configured assistance data OPPO discussion Rel-17 NR\_pos\_enh-Core

[R2-2205583](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205583.zip) [V003] Discussion on the format of pre-configuration vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205584](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205584.zip) [V004][V006]Discussion on LPP ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205813](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205813.zip) LPP RIL E603 and 604 on associated TRP Ericsson discussion Rel-17 37.355 Late

[R2-2205843](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205843.zip) Rel-17 LPP RIL Qualcomm Incorporated discussion

=> Revised in [R2-2206326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206326.zip)

[R2-2206326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206326.zip) Rel-17 LPP RIL Qualcomm Incorporated discussion

[R2-2205844](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205844.zip) Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

=> Revised in [R2-2206327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206327.zip)

[R2-2206327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206327.zip) Rel-17 LPP ASN1 Review File Qualcomm Incorporated discussion

[R2-2205846](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205846.zip) Editorial Corrections Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

R2-2205847 LPP Updates and ASN.1 Corrections Qualcomm Incorporated CR Rel-17 37.355 17.0.0 0347 - F NR\_pos\_enh-Core Late

[R2-2206328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206328.zip) LPP Updates and ASN.1 Review Qualcomm Incorporated draftCR Rel-17 37.355 17.0.0 F NR\_pos\_enh-Core

#### 6.11.2.9 Positioning RRC ASN.1 issues

Any contributions related only to the details of positioning-specific ASN.1 in 38.331.

[R2-2204998](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204998.zip) [H568] Correction for periodic TEG reporting Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3025 - F NR\_pos\_enh-Core

[R2-2204999](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204999.zip) [H570] Correction for cell reselection for SRS in RRC\_INACTIVE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3026 - F NR\_pos\_enh-Core

[R2-2205000](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205000.zip) [H566][H567] Correction for Location Measurement Indication Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3027 - F NR\_pos\_enh-Core

[R2-2205001](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205001.zip) [H563]Correction for reception of RRCRelease by the UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3028 - F NR\_pos\_enh-Core

[R2-2205048](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205048.zip) [S854][S855][S856] Handling preconfigured gaps for POS upon a handover Samsung discussion Rel-17 NR\_pos\_enh-Core

[R2-2205049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205049.zip) [S851][S852][S853] Type and priority configuration of PPW Samsung discussion Rel-17 NR\_pos\_enh-Core

[R2-2205310](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205310.zip) Correction on pre-configured MG procedure in 38.331 ZTE, Sanechips CR Rel-17 38.331 17.0.0 3066 - F NR\_pos\_enh-Core

[R2-2205498](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205498.zip) [E066] Correction on structure of UEPositioningAssistInfo message contents for reducing unnecessary data transmission Samsung R&D Institute UK discussion

[R2-2205585](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205585.zip) Discussion on positioning RRC ASN.1 issues vivo discussion Rel-17 NR\_pos\_enh-Core

[R2-2205811](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205811.zip) [RILE064] Moving TEG Reporting Configuration from SRS-Config to RRCReconfig Ericsson CR Rel-17 38.331 17.0.0 3118 - F NR\_pos\_enh-Core

[R2-2205816](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205816.zip) [RIL E060] On removal of Editors' Note for SRS Inactive mode procedure during RRC Resume Ericsson discussion Rel-17 38.331 Late

[R2-2205817](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205817.zip) [RIL E060] Editors Note Discussion on RRC Procedure Structure on section Ericsson discussion Late

[R2-2205857](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205857.zip) RRC Positioning RIL Summary Ericsson discussion Rel-17 Late

### 6.11.3 Other

Any other topics on NR positioning enhancements.

[R2-2205006](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205006.zip) [H056] Correction to need code in posSIB\_R17 Huawei, HiSilicon CR Rel-17 37.355 17.0.0 0341 - F NR\_pos\_enh-Core

[R2-2205655](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205655.zip) Stage-2 positioning corrections Apple CR Rel-17 38.305 17.0.0 0094 - F NR\_pos\_enh-Core

## 6.12 Reduced Capability

(NR\_redcap-Core; leading WG: RAN1; REL-17; WID: RP-211574)

WI is considered as 100% complete from RAN2 perspective. Exception Sheet in RP-220965 contains RAN4 items.

Tdoc Limitation: 5 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.

[R2-2204410](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204410.zip) LS reply on the coordination between gNBs supporting RedCap UEs (R3-221396; contact: Ericsson) RAN3 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2204422](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204422.zip) LS on operation with and without SSB for RedCap UE (R1-2202886; contact: Ericsson) RAN1 LS in Rel-17 NR\_redcap-Core To:RAN2, RAN4

[R2-2204475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204475.zip) LS on configuring margin for 1 Rx RedCap UEs (R4-2206951; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2204476](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204476.zip) Reply LS on UE capabilities for RedCap from RRM perspective (R4-2206977; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

[R2-2204486](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204486.zip) LS on NCD-SSB issues for RedCap UE (R4-2207104; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2204487](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204487.zip) LS on RRM relaxation for Redcap (R4-2207109; contact: vivo) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2

[R2-2204502](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204502.zip) LS on FR2 RedCap UE (R4-2206545; contact: Ericsson) RAN4 LS in Rel-17 NR\_redcap-Core To:RAN2 Cc:RAN1

[R2-2204619](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204619.zip) Discussion on RAN4 LS on FR2 RedCap UE Futurewei Technologies discussion Rel-17 38.306 NR\_redcap-Core

[R2-2204620](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204620.zip) Discussion on RAN4 LS on RRM Relaxation for RedCap Futurewei Technologies, Xiaomi Communications, OPPO, Vivo, Ericsson, Qualcomm discussion Rel-17 NR\_redcap-Core

[R2-2204810](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204810.zip) [Draft] Reply LS to RAN4 on RRM relaxation vivo LS out Rel-17 NR\_redcap-Core To:RAN4

[R2-2206018](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206018.zip) [DRAFT] Reply LS on configuring margin for 1 Rx RedCap UEs Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

[R2-2206019](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206019.zip) [DRAFT] Reply LS on NCD-SSB issues for RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4

[R2-2206020](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206020.zip) [DRAFT] Reply LS on FR2 RedCap UE Ericsson LS out Rel-17 NR\_redcap-Core To:RAN4 Cc:RAN1

#### 6.12.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

[R2-2204811](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204811.zip) Miscellaneous CR on TS 38.321 for RedCap vivo CR Rel-17 38.321 17.0.0 1238 - F NR\_redcap-Core

[R2-2205784](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205784.zip) Corrections on RedCap in TS 38.300 Nokia, Nokia Shanghai Bell, Huawei CR Rel-17 38.300 17.0.0 0464 - F NR\_redcap-Core

[R2-2206021](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206021.zip) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.331 17.0.0 3151 - F NR\_redcap-Core Late

[R2-2206022](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206022.zip) RedCap WI ASN1 RIL list Ericsson discussion Rel-17 NR\_redcap-Core Late

[R2-2206023](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206023.zip) Miscellaneous corrections for RedCap WI Ericsson CR Rel-17 38.304 17.0.0 0252 - F NR\_redcap-Core

### 6.12.2 Control Plane

#### 6.12.2.1 NCD-SSB aspects

Corrections/clarifications on NCD-SSB aspects

[R2-2204544](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204544.zip) Handover to BWP without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2204547](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204547.zip) Discussion on serving cell measurements on NCD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2204812](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204812.zip) Discussion on NCD-SSB for RedCap UEs vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2205038](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205038.zip) Discussion on NCD-SSB aspects for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205285](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205285.zip) [J002] Clarification on reference value in connected RRM relaxation critrion Sharp discussion Rel-17

[R2-2205512](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205512.zip) Discussion on BWP operation without bandwidth restriction and NCD SSB Vodafone GmbH, Deutsche Telekom, Qualcomm discussion Rel-17

[R2-2205522](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205522.zip) Aspects related to the use of NCD-SSB MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2205636](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205636.zip) Discussion on NCD-SSB handling at handover Apple discussion Rel-17 NR\_redcap-Core

[R2-2205771](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205771.zip) About paging monitoring in BWP#0 without CD-SSB ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core Late

[R2-2206143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206143.zip) [Pre118-e][105][RedCap] Summary of AI 6.12.2.1 on NCD-SSB aspects ZTE Corporation report Rel-17 NR\_redcap-Core

#### 6.12.2.2 Other CP aspects

##### 6.12.2.2.1 Known Corrections

Corrections/clarifications for already known issues (non NCD-SSB related), eg. inter-RAT mobility from LTE to NR, capability for support for Rx branches inclusion in the UERadioPagingInformation inter-node message

[R2-2204723](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204723.zip) Discussion on inter-RAT mobility from LTE to NR OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204724](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204724.zip) Discussion on including RedCap UE’s capability in the UERadioPagingInformation inter-node message OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204725](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204725.zip) [O374] correction on RedCap UE’s cell barring OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

[R2-2204736](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204736.zip) [O372] Discussion on prohibit timer for UAI for RRM relaxation fulfilment indication OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204737](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204737.zip) [O377] Correction to 38.331 on UAI for RRM relaxation fulfilment indication OPPO draftCR Rel-17 38.331 17.0.0 F NR\_redcap-Core

[R2-2204813](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204813.zip) [V166] Including RedCap Capability in the UERadioPagingInformation Inter-Node Message vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204814](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204814.zip) [V170] Discussion on Inter-RAT Mobility from LTE to NR for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204929](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204929.zip) RRC open issues on Rel17 RedCap WI Intel Corporation discussion Rel-17 NR\_redcap

[R2-2205036](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205036.zip) Inter-RAT mobility from LTE to NR Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205037](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205037.zip) Paging capability and cell selection related to R4 LS Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

R2-2205047 Correction on the DRX cycle of the UE for eDRX NEC CR Rel-17 38.321 17.0.0 1249 - F NR\_redcap-Core Withdrawn

[R2-2205150](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205150.zip) Correction on DRX cycle of the UE for eDRX NEC CR Rel-17 38.304 17.0.0 0243 - F NR\_redcap-Core

[R2-2205770](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205770.zip) Consideration on RedCap access indication ZTE Corporation, Sanechips discussion Rel-17 NR\_redcap-Core

[R2-2205904](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205904.zip) Handover from E-UTRA from legacy eNB to legacy gNB Ericsson discussion Rel-17 NR\_redcap

[R2-2206032](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206032.zip) Further discussion on SI acquisition in RedCap-specific BWP Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

[R2-2206033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206033.zip) Measurement object configuration with NCD-SSB Qualcomm Incorporated discussion Rel-17 NR\_redcap-Core

[R2-2206059](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206059.zip) [X115]38.331 Corrections on UE's behaviour of getting SIB1 for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

[R2-2206060](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206060.zip) [X119][X114]Discussion on PDCCH-ConfigCommon for Redcap Xiaomi Communications discussion

[R2-2206061](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206061.zip) [X119][X114]38.331 Corrections on PDCCH-ConfigCommon for Redcap Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

[R2-2206062](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206062.zip) [X120]38.331 Corrections on Need code of RedCap-specific initial DL BWP for handover Xiaomi Communications draftCR Rel-17 38.331 17.0.0 NR\_redcap-Core

##### 6.12.2.2.2 Other

Contributions on any other CP issues.

[R2-2204541](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204541.zip) [S953] SI Request for RedCap UEs Samsung Electronics Co., Ltd discussion Rel-17 NR\_redcap-Core

[R2-2204815](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204815.zip) Coexistence of Rel-16 and Rel-17 RRM relaxation criteria vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204816](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204816.zip) Correction on RLM for RedCap vivo, Guangdong Genius CR Rel-17 38.300 17.0.0 0446 - F NR\_redcap-Core

[R2-2204819](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204819.zip) UE Capability and System Information for eDRX vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204928](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204928.zip) Draft 38.304 CR for the eDRX handling Intel Corporation draftCR Rel-17 38.304 17.0.0 F NR\_redcap

[R2-2204936](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204936.zip) I051 support of RedCap based on intraFreqReselectionRedCap Intel Corporation discussion Rel-17 NR\_redcap

[R2-2204979](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204979.zip) Cell reselection priority for RedCap (RIL#: S952) Samsung discussion Rel-17 NR\_redcap-Core

[R2-2205039](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205039.zip) [Draft] LS on the maximum PTW length of IDLE eDRX Huawei, HiSilicon LS out To:RAN3, CT1

[R2-2205089](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205089.zip) Co-existence of Rel-16 and Rel-17 RRM relaxation Samsung discussion Rel-17

[R2-2205090](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205090.zip) Corrections on eDRX Samsung CR Rel-17 38.304 17.0.0 0242 - F NR\_redcap-Core

[R2-2205091](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205091.zip) Correction on RRM relaxation in RRC\_CONNECTED (RIL#:951) Samsung CR Rel-17 38.331 17.0.0 3045 - F NR\_redcap-Core

[R2-2205284](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205284.zip) [J001] Correction on Srxlev in connected RRM relaxation critrion Sharp, Huawei, HiSilicon discussion Rel-17

[R2-2205337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205337.zip) Other CP aspects for DRX cycle LG Electronics Finland discussion NR\_redcap-Core

[R2-2205523](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205523.zip) SIB validity with eDRX MediaTek Inc. discussion Rel-17 NR\_redcap-Core

[R2-2205613](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205613.zip) 38.304 Corrections on Redcap UE's behavior on cellbar Xiaomi Communications,Huawei, HiSilicon draftCR Rel-17 38.304 17.0.0 NR\_redcap-Core

[R2-2205637](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205637.zip) RedCap UE power class 7 signaling Apple CR Rel-17 38.331 17.0.0 3107 - F NR\_redcap-Core

[R2-2205638](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205638.zip) RedCap UE power class 7 signaling Apple CR Rel-17 38.306 17.0.0 0724 - F NR\_redcap-Core

[R2-2205769](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205769.zip) Corrections on eDRX ZTE Corporation, Sanechips draftCR Rel-17 38.304 17.0.0 F NR\_redcap-Core

[R2-2205783](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205783.zip) Miscellaneous RedCap corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3117 - F NR\_redcap-Core

[R2-2205785](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205785.zip) HD-FDD RedCap support in system information Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2205786](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205786.zip) RSRP thresholds for 1 Rx RedCap Ues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2206024](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206024.zip) Configuring margin for 1 Rx RedCap UEs Ericsson discussion Rel-17 NR\_redcap-Core

[R2-2206080](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206080.zip) [H507] Corrections on cell re-selection measurements during RRC setup/resume Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3161 F NR\_redcap-Core

[R2-2206081](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206081.zip) [H511] Corrections on redcapAccessRejected Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3162 F NR\_redcap-Core

[R2-2206082](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206082.zip) [H513 H516 H520 H524 H525 H526 H527] Corrections on RedCap initial BWP Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3163 F NR\_redcap-Core

### 6.12.3 User Plane

#### 6.12.3.1 MAC aspects

[R2-2204817](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204817.zip) Discussion on MAC aspects for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2205040](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205040.zip) Discussion on MAC RACH related issues for RedCap UE Huawei, HiSilicon discussion Rel-17 NR\_redcap-Core

[R2-2205487](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205487.zip) Corrections on BWP operation for RedCap UE LG Electronics Inc. discussion Rel-17 NR\_redcap-Core

### 6.12.4 UE capabilities

#### 6.12.4.1 Known remaining issues

Corrections/clarifications for already known issues, e.g. those not concluded in the discussion for R2-2203563.

[R2-2204738](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204738.zip) Clarification on HD-FDD support for RedCap OPPO discussion Rel-17 NR\_redcap-Core

[R2-2204818](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204818.zip) Discussion on capability for RedCap vivo, Guangdong Genius discussion Rel-17 NR\_redcap-Core

[R2-2204925](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204925.zip) Open issues on RedCap capabilities Intel Corporation discussion Rel-17 NR\_redcap

[R2-2204926](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204926.zip) Draft 38.306 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.306 17.0.0 F NR\_redcap

[R2-2204927](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204927.zip) Draft 38.331 CR for the RedCap capablities Intel Corporation draftCR Rel-17 38.331 17.0.0 F NR\_redcap

[R2-2205787](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205787.zip) On RedCap UE capabilities Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_redcap-Core

[R2-2206025](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206025.zip) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.304 17.0.0 0253 - F NR\_redcap-Core

[R2-2206026](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206026.zip) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.306 17.0.0 0739 - F NR\_redcap-Core

[R2-2206027](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206027.zip) Introduction of FR2 RedCap UE Ericsson CR Rel-17 38.331 17.0.0 3152 - F NR\_redcap-Core

#### 6.12.4.2 Other

Contributions on any other issues.

## 6.13 SON/MDT

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: RP-201281)

Tdoc Limitation: 5 tdocs

WI is declared 100% complete

### 6.13.1 Organizational

Tdoc Limitation: 0

LS in etc

[R2-2204405](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204405.zip) Reply LS on UE context keeping in the source cell (R3-212944; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

[R2-2204406](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204406.zip) LS Reply on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (R3-214429; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh2 To:SA5, RAN2

[R2-2204407](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204407.zip) Reply LS on scenarios need to be supported for MRO in SCG Failure Report (R3-216159; contact: Samsung) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

[R2-2204408](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204408.zip) Reply LS on Area scope configuration and Frequency band info in MDT configuration (R3-221178; contact: Huawei) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

[R2-2204409](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204409.zip) Reply LS to SA5 on beam measurement reports (R3-221383; contact Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:SA5 Cc:RAN2

[R2-2204412](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204412.zip) Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (S5-213499; contact: Ericsson) SA5 LS in Rel-17 To:RAN3 Cc:RAN2

[R2-2204413](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204413.zip) Reply LS on Report Amount for M4, M5, M6, M7 measurements (S5-214523; contact: Nokia) SA5 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN3 Cc:RAN2

[R2-2204414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204414.zip) Reply LS on the details of logging forms reported by the gNB-CU-CP, gNB-CU-UP and gNB-DU under measurement pollution conditions (S5-215493; contact: Ericsson) SA5 LS in Rel-17 e\_5GMDT To:RAN3 Cc:RAN2

[R2-2204415](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204415.zip) Reply LS on the Beam measurement reports for the MDT measurements (S5-216628; contact: Ericsson) SA5 LS in Rel-17 e\_5GMDT To:RAN3 Cc:RAN2

[R2-2204448](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204448.zip) LS on UP measurements for Successful Handover Report (R3-212935; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2

[R2-2204498](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204498.zip) Reply LS on MDT M6 calculation for split bearers in MR-DC (R3-222868; contact: Ericsson) RAN3 LS in Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core To:RAN2, SA5

### 6.13.2 CRs and Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide input CRs, and Provide resolution proposals for smaller and editorial corrections.

[R2-2205903](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205903.zip) Miscellaneous rapporteur corrections for SON-MDT Ericsson CR Rel-17 38.331 17.0.0 3136 - F NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.3 SON Corrections

[R2-2204876](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204876.zip) [N030] Correction to conditions determining successful handover report Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3011 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204877](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204877.zip) [N028] Correction to SuccessHO-Config Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3012 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204878](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204878.zip) Correction to Mobility History Information setting [N094][N095][E122][H072] Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3013 - F NR\_ENDC\_SON\_MDT\_enh-Core Late

[R2-2204879](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204879.zip) Corrections on Rel-17 RLFreport Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204880](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204880.zip) Clarification on SHR for DAPS HO Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204883](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204883.zip) RIL: [S702] [S703] [S704] [S705] [S706] [S707] [S708] Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204884](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204884.zip) RIL: [S709][S710][S711][S712] Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204885](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204885.zip) RIL: [S713][S714][S715]Using ENUMERATED {true} instead of BOOLEAN Samsung discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204938](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204938.zip) [C320] Add SgNB RA Report related Information CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204939](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204939.zip) Addition of SON Features Enhancement in Stage 2 CATT draftCR Rel-17 38.300 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204940](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204940.zip) [C326] Clarification on CHO Candidate Cell List in SHR CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204941](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204941.zip) [C327] Correction on CHO Information Logging for Mobility from NR Failure CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204942.zip) [C328] Clarification on CHO Information Logging in Neighbour Cell Measurement in RLF Report CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204966](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204966.zip) [B180] TP for reporting CHO execution condition in RLF report Lenovo discussion Rel-17

[R2-2204967](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204967.zip) [B181] TP for reporting time information for SCG failure Lenovo discussion Rel-17

[R2-2205046](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205046.zip) [W006] Correction on the generation and discarding of SHR NEC CR Rel-17 38.331 17.0.0 3035 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205072](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205072.zip) Discussion on SON with DAPS [S704] Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205074](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205074.zip) Introduction of SHR in TS 38.300 Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0453 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205075](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205075.zip) Corrections on TS 37.320 for SON and MDT Huawei, HiSilicon CR Rel-17 37.320 17.0.0 0118 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205361](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205361.zip) [Z401][Z413] Consideration on multiple CEF report ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205362](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205362.zip) [Z421] Consideration on RA report ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205363](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205363.zip) [Z408] Consideration on RLF-report for CHO-DAPS ZTE Corporation, Sanechips discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205364](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205364.zip) Draft CR to 38331 on RLF-report ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205704](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205704.zip) HO related SON corrections Qualcomm Incorporated discussion Rel-17

[R2-2205892](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205892.zip) Corrections to 2-step RA Report [E076][E078] Ericsson CR Rel-17 38.331 17.0.0 3130 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205893](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205893.zip) Corrections to Mobility History Information [E120][E121][E122] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205894](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205894.zip) Corrections to mobility history information reporting [E120, E121, E122] Ericsson CR Rel-17 38.331 17.0.0 3131 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205901](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205901.zip) Including source-related RA-Information in SHR [E079] Ericsson CR Rel-17 38.331 17.0.0 3135 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206098](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206098.zip) [H070, H095, H105, H106, H107, H108] SON with CHO Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206099](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206099.zip) [H069] TAC for RLF report Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206100.zip) [H074] UP interruption time Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206101.zip) [H096] SN RACH reporting issue Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206102.zip) [H099, H100] 2-step RA related issues Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206103](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206103.zip) [H097] msgA-PUSCH-PayloadSize indication Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206104](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206104.zip) [H076] triggeredEvent related issues Huawei, HiSilicon discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2206132](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206132.zip) Issues with nested MHI [H098][N094][N095][E121][H071][E122] Nokia, Nokia Shanghai Bell discussion Rel-17

### 6.13.4 MDT Corrections

[R2-2204672](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204672.zip) [O700][O701] RRC corrections for MDT OPPO discussion Rel-17 NR\_SON\_MDT-Core

[R2-2204943](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204943.zip) The Correction on TS37.320 CATT discussion Rel-17 37.320 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205076](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205076.zip) Corrections on TS.38.314 for the delay measurement for split bearer Huawei, HiSilicon CR Rel-17 38.314 17.0.0 0023 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205686](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205686.zip) TP on signalling based logged MDT override protection in inter-PLMN scenarios [RIL number E069] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205687](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205687.zip) TP on IDC issues in logged MDT [RIL number E074] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205688](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205688.zip) TP on multiple CEF reports [RIL number E075 and E123] Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205689](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205689.zip) TP on L2 measurements for total RAN delay calculation Ericsson discussion NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205736](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205736.zip) [S716] Remaining issues on multiple CEF reports Samsung Electronics Co., Ltd discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205738](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205738.zip) [S701] Remaining issues on signalling based MDT protection Samsung Electronics Co., Ltd discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

### 6.13.5 UE Capabilities

Initial discussion on Features / UE caps developed in RAN2, if any. Note that this AI is complementary to AI 6.0.2.

[R2-2204944](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204944.zip) [C329] Add MDT related UE Capabilities of EMR CATT draftCR Rel-17 38.331 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2204945](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204945.zip) Add MDT related UE Capabilities of EMR CATT draftCR Rel-17 38.306 17.0.0 NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205073](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205073.zip) Corrections on TS 38.306 for UE capabilities for SON and MDT Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0707 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205705](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205705.zip) SON MDT UE Capabilities Qualcomm Incorporated discussion Rel-17

### 6.13.6 Other

[R2-2204664](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204664.zip) CR to 38314 on RA preamble measurement ZTE Corporation, Sanechips, CMCC CR Rel-17 38.314 17.0.0 0022 - F NR\_ENDC\_SON\_MDT\_enh-Core

[R2-2205222](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205222.zip) Discussion on PSCell MHI recording for RRC inactive state Sharp discussion R2-2202939

[R2-2205567](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205567.zip) Addition of Last Serving Beam in RLF Report Nokia, Nokia Shanghai Bell 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: 4 tdocs

WI is declared 100% complete

### 6.14.1 General

#### 6.14.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc. For LSes that need action: One tdoc by contact company (one company) to address the LS and potential reply is considered Rapporteur Input and may be provided.

[R2-2204449](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204449.zip) LS on the specification of AT commands for NR QoE (C1-222058; contact: Ericsson) CT1 LS in Rel-17 TEI17, NR\_QoE-Core To:RAN2, RAN3, SA5 Cc:SA4

[R2-2204500](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204500.zip) LS on RAN3 agreements for NR QoE (R3-222890; contact: China Unicom) RAN3 LS in Rel-17 NR\_QoE-Core To:RAN2, SA4, SA5

[R2-2204528](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204528.zip) Reply LS on UE capabilities for NR QoE (S4-220534; contact: Ericsson) SA4 LS in Rel-17 NR\_QoE-Core To:RAN2, CT1

* 3 LSes Noted

#### 6.14.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur.

* [AT118-e][078][QoE] RRC (Ericsson)

Scope: Take into account online progress, address offline FFSes non-treated proposals, and open RILs. Consider CR proposals, Review Rapporteur CR resolutions. Determine agreeable parts. Update CR to reflect agreeable part and agree CR. LS out acc to agreement

Consider: R2-2205439, R2-2206119, R2-2206130, R2-2205442, R2-2206129, R2-2205441, R2-2204874, R2-2204875, R2-2205443, R2-2205085, R2-2205087, R2-2205088, R2-2205086

Intended outcome: Report, LS out, Agreed CR (in the end)

Deadline: CB W2 Wed (and/or later), CR can be finally agreed in a post-meeting disc.

R2-2206604 Summary of [AT118-e][078][QoE] RRC (Ericsson) for 6.14 Ercisson

DISCUSSION W2 Wed

P1

* QC are ok if majority want to send LS, but think this is not critical.
* Apple think SA4 indicated this in their LS.
* CU are ok to send an LS.
* Huawei think we need to ask also how it is suposed to work if not specified.

P5 P6

* Huawei think is we remove we need to change the presence.
* Ericsson think that the network will configure this always.
* QC think R3 is clear, that it should be optional. Think SA4 should be the receiver. Ericsson think the As layer need to know.
* LGE think this is for the reporting from the application layer. Think that for RV QoE AS/RAN cannot control the meansurement reporting periodicity.
* Lenovo think SA4 are aware and will update thsir TS if needed. HW think stage-2 is correct. H909 is to update stage-3.
* Send an LS to RAN3 (cc SA4), refer to the SA4 LS and ask if sampling periodicity needs to be specified for buffer level reporting for RV QoE, and if so: its range, and if not: further information on how it would work.
* Keep the PDU session ID optional for now and ask RAN3 if it needs to be mandatory.
* On P5P6, ask RAN3 (cc SA4) on the motivation why RV QoE shall be reported together with Container QoE, and whether the reporting periodicty for RV QoE can be considered mandatory instead.
* [AT118-e][079][QoE] 38300 (China Unicom)

Scope: Take into account online progress, address offline FFSes and non-treated proposals. Consider CR proposals, Review Rapporteur CR resolutions. Determine agreeable parts. Update CR to reflect agreeable parts and agree CR. Can consider LS out if agreed to be needed.

Consider: R2-2204591, R2-2204848, R2-2204847, R2-2205440, R2-2205943

Intended outcome: Report, Agreed CR (in the end)

Deadline: CB W2 Wed (if needed), CR can be finally agreed in a post-meeting disc.

* [AT118-e][080][QoE] UE capabilities (CMCC)

Scope: Treat R2-2205944, R2-2204849. Determine agreeable parts. Update CR to reflect agreeable part and agree CR.

Intended outcome: Report, Endorsed CR(s) for merge

Deadline: CB W2 Wed (if needed), EOM

[R2-2204591](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204591.zip) 38.300 CR Correction for Introduction of QoE measurements in NR China Unicom, Huawei, HiSilicon, Ericsson, Apple CR Rel-17 38.300 17.0.0 0441 - F NR\_QoE-Core

[R2-2205439](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205439.zip) Correction CR for QoE measurements Ericsson CR Rel-17 38.331 17.0.0 3086 - F NR\_QoE-Core Late

* Baseline for further modifications

[R2-2206119](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206119.zip) RIL List v207 for QoE L.M. Ericsson Limited discussion NR\_QoE-Core

* RIL statuses propAgree, propReject are confirmed, except H909, I009, N014, S751 (which can be discussed.

### 6.14.3 Corrections

Online first

RV QoE etc

[R2-2204848](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204848.zip) Discussion on NR QoE issues Lenovo discussion Rel-17 NR\_QoE-Core

Chair: Some support for P2/P3 but requests to check, and wait for CT1 outcome, no action for now, considered FFS / to be revisited

* FFS if RAN2 to agree to replace the RAN3 requirement in stage 2 saying “If there is no reporting periodicity defined in the RAN visible QoE configuration, RAN visible QoE reports should be sent together with the legacy QoE reports” by “If there is no reporting periodicity defined in the RAN visible QoE configuration, the reporting periodicity of the associated QoE measurement configuration shall be applied”.

[R2-2204847](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204847.zip) Corrections to stage 2 NR QoE description Lenovo draftCR Rel-17 38.300 17.0.0 NR\_QoE-Core

[R2-2206130](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206130.zip) Corrections for RAN visible QoE (RIL: H089, H090, H909) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

* Proposed to agree P1
* Ericsson would like time to check, Chair: We can temporarily keep TBD, to allow checking, but if no more info we remove the TBD and make it agreed.
* TBD if *pdu-SessionIdList* should be mandatory in *MeasurementReportAppLayer* and application layer should always provide at least one PDU session ID in the RAN visible application layer measurement report.

[R2-2205442](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205442.zip) Discussion on RIL issues H088 and H089 related to RAN visible QoE Ericsson discussion Rel-17 NR\_QoE-Core

* Keep the procedure text for reporting of buffer level values in RRC specification.
* Inform SA4 that the latest values of the buffer level need to be reported to the AS layer.

[R2-2206129](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206129.zip) Clarifications for buffer level reporting (RIL: H088) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

* HW proposes to agree 1. Nokia think this is just the measurement report periodicity. HW think this is more frequent, and one report can carry many measurement samples. Nokia think there is such periodicity in the container file already and it shall be reused. HW think SA4 requested us to specify this. Nokia not ready to agree. Chair: PL check, but we try to conclude this meeting, keep FFS for now (for checking).
* Samsung think that there is a general issue that the time or order of each measurement sample in the report cannot be known based on the current report, it should be known, request that we capture a general FFS on this and try to resolve.
* FFS if we P1: Specify buffer level measurement sample periodicity within RAN visible QoE configuration. FFS value range.
* FFS if we need to add something to allow receiver to know the order of / timing of measurement samples.

Mobility

[R2-2205441](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205441.zip) Discussion on RIL issue E138 related to handover Ericsson discussion Rel-17 NR\_QoE-Core

* The UE retransmits application layer measurement reports in the target node if a handover occurs during the transmission of the report

[R2-2205649](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205649.zip) Area scope and mobility management Apple discussion Rel-17 NR\_QoE-Core

* Not sufficient support, not agreed

Pause

[R2-2205283](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205283.zip) Discussion on session stop during QoE reporting suspend Qualcomm Incorporated discussion NR\_QoE\_enh-Core

* Not sufficient support, not agreed

[R2-2205334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205334.zip) Clarification on session stop during QoE reporting suspend Qualcomm Incorporated draftCR Rel-17 38.331 17.0.0 F NR\_QoE\_enh-Core

* Not Pursued

Appl Layer Session Status

[R2-2206128](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206128.zip) Discussion on applicationLayerSessionStatus (RIL: H056) Huawei, HiSilicon discussion Rel-17 NR\_QoE-Core

* Not sufficient support, not agreed (neither to change nor to clarify the current behaviour (in RAN2))

Terminology

[R2-2205440](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205440.zip) Discussion on naming of QoE measurements Ericsson discussion Rel-17 NR\_QoE-Core

* China Unicom think it is good to avoid words like legacy but think the naming can be further simplified.
* There is support to have more general names for two types of QoE measurements, e.g. OAM-QoE measurements and RAN visible QoE measurements, the exact Name FFS (addressed offline).

Pause

[R2-2204874](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204874.zip) [N024] Correction to storage of application layer measurements during Pause Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3009 - F NR\_QoE-Core

[R2-2204875](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204875.zip) [N023] Correction to paused application layer measurements reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3010 - F NR\_QoE-Core

Configuration

[R2-2205443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205443.zip) Discussion on other RIL issues Ericsson discussion Rel-17 NR\_QoE-Core Late

[R2-2205085](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205085.zip) Correction on UE configuration for QoE (RIL#: S751) Samsung CR Rel-17 38.331 17.0.0 3041 - F NR\_QoE-Core

[R2-2205087](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205087.zip) Further corrections on QoE configuration Samsung CR Rel-17 38.331 17.0.0 3043 - F NR\_QoE-Core

Reporting

[R2-2205088](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205088.zip) Further corrections on QoE report Samsung CR Rel-17 38.331 17.0.0 3044 - F NR\_QoE-Core

Class 0

[R2-2205086](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205086.zip) Class 0 corrections on QoE configuration and report Samsung CR Rel-17 38.331 17.0.0 3042 - F NR\_QoE-Core

Stage-2

[R2-2205943](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205943.zip) Corrections to TS 38.300 for NR QoE Huawei, HiSilicon draftCR Rel-17 38.300 17.0.0 F NR\_QoE-Core

### 6.14.4 UE capabilities

Features / UE caps developed in RAN2. Note that this AI is complementary to AI 6.0.2.

[R2-2205944](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205944.zip) Correction on QoE capabilities dependencies Huawei, HiSilicon draftCR Rel-17 38.306 17.0.0 F NR\_QoE-Core

[R2-2204849](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204849.zip) Introduction of AS layer memory size for QoE paused measurement reports Lenovo draftCR Rel-17 38.306 17.0.0 NR\_QoE-Core

### 6.14.5 Other

## 6.15 NR Sidelink enhancements

(NR\_SL\_enh-Core; leading WG: RAN1; REL-17; WID: RP-202846)

WI has been declared 100% complete

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.

[R2-2204525](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204525.zip) Reply LS on Tx Profile (S2-2203595; contact: LGE) SA2 LS in Rel-17 NR\_SL\_enh-Core, 5G\_ProSe, eV2XARC\_Ph2 To:RAN2 Cc:CT1

[R2-2204644](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204644.zip) Introduction of UE capability for Rel-17 sidelink OPPO CR Rel-17 36.331 17.0.0 4781 - B NR\_SL\_enh-Core

[R2-2205101](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205101.zip) (draft)Reply LS to SA2 on Tx Profile ZTE Corporation, Sanechips LS out Rel-17 NR\_SL\_enh-Core To:SA2

[R2-2205175](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205175.zip) Discussion on SA2 LS (S2-2203595) Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2205262](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205262.zip) Discussion on SA2 reply LS about TX profile associated with L2 ID(s) vivo discussion Rel-17

[R2-2205265](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205265.zip) Draft reply LS to SA2 on TX profile associated with L2 ID(s) vivo LS out Rel-17 To:SA2 Cc:CT1

[R2-2205952](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205952.zip) Miscellaneous Corrections to eSL InterDigital (Rapporteur) CR Rel-17 38.300 17.0.0 0469 - D NR\_SL\_enh-Core

[R2-2206079](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206079.zip) (draft)Reply LS to SA2 on Tx Profile ZTE Corporation, Sanechips LS out Rel-17 NR\_SL\_enh-Core

[R2-2206133](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206133.zip) Misc Class 0 corrections on TS 38.331 for SL enhancement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3174 - D NR\_SL\_enh-Core

[R2-2206134](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206134.zip) Misc Class 1 Class 2 corrections on TS 38.331 for SL enhancement Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3175 - F NR\_SL\_enh-Core

[R2-2206135](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206135.zip) Summary of pre-discussion on RIL issues Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2206138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206138.zip) Rapporteur resolution for various RILs Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

### 6.15.2 Essential corrections

No documents should be submitted to 6.15.2. Please submit to 6.15.2.x.

#### 6.15.2.1 Control plane procedure for UC DRX

Including whether Rx-UE use the message of RRCReconfigurationCompleteSidelink or RRCReconfigurationFailureSidelink to reject a DRX configuration, default SL DRX configuration for non-initial SL DRX configuration when reject happens, whether the TX UE should keep in active time after sending RRCReconfigurationSL, detailed (configuration) information included into each PC5-RRC, etc.

[R2-2204578](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204578.zip) Discussion on left issues on control plane procedure for UC DRX OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2204643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204643.zip) Correction on [O099] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

[R2-2204861](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204861.zip) Discussion and TP for correction on RX UE reject behaviour Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2204862](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204862.zip) Consideration on active time during uincast connection establishment Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2204954](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204954.zip) Consideration for Control Plane Procedure for UC DRX CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2204955](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204955.zip) Correction on the SL Active Time CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

[R2-2204970](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204970.zip) Remaining issues on SL DRX UC CP aspects for UC procedure Lenovo discussion Rel-17

[R2-2204971](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204971.zip) Remaining issues for user plane of sidelink enhancement Lenovo discussion Rel-17

[R2-2205096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205096.zip) Discussion on the case that no SL DRX configuration is received from TX UE ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205097](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205097.zip) Discussion on remaining issues for SL DRX rejection ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205106](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205106.zip) [Z684]Correction on Destination ID list ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3049 - F NR\_SL\_enh-Core

[R2-2205116](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205116.zip) remaining issues for control plane procedure for UC DRX LG Electronics France discussion

[R2-2205148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205148.zip) Discussion on Rx UE’s rejection for SL DRX configuration NEC Corporation discussion

[R2-2205178](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205178.zip) Remaining control procedure of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2205263](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205263.zip) Remaining issues on CP procedure for UC DRX vivo discussion Rel-17

[R2-2205264](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205264.zip) Uu RRC impact by SL-DRX rejection from RX UE vivo discussion Rel-17

[R2-2205315](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205315.zip) Discussion on UC sidelink DRX reject procedure Xiaomi discussion

[R2-2205317](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205317.zip) [X202][H663] Discussion on how RX UE to report accepted SL DRX and interested QoS Xiaomi discussion

R2-2205346 Correction on control plane ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3069 - F NR\_SL\_enh-Core Late

[R2-2205347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205347.zip) Correction on [Z677,Z680] ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3070 - F NR\_SL\_enh-Core

[R2-2205534](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205534.zip) DRX configuration reject Samsung discussion

[R2-2205605](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205605.zip) Correction of SL DRX for SL discovery Samsung discussion Rel-17 NR\_SL\_enh-Core

[R2-2205606](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205606.zip) Correction of SL DRX for L2 U2N Relay Samsung discussion Rel-17 NR\_SL\_enh-Core

[R2-2205706](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205706.zip) Discussion on Procedure for UC SL DRX Qualcomm India Pvt Ltd discussion

[R2-2205782](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205782.zip) [E101] Correction on resource pool handling Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

[R2-2205790](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205790.zip) Open issues for SL DRX Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

[R2-2205913](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205913.zip) Open Issues on Signaling for Unicast DRX Configuration InterDigital discussion Rel-17 NR\_SL\_enh-Core

[R2-2205914](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205914.zip) Handling DRX Following DCR Message InterDigital, Ericsson, Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2206136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206136.zip) [H660][V402][V403] Discussion on actions related to reception of UEAssistanceInformationSidelink message Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2206137](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206137.zip) [H663] [Z679] [X202] Discussion on implementation of RX UE reporting information related to SL DRX Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

#### 6.15.2.2 Configuration aspects

Including TX profile for GC/BC, detailed configuration aspects, value ranges of timers/offsets (including other SL DRX related parameters), etc.

[R2-2204579](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204579.zip) Discussion on DRX left issues for configuration aspects OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2204639](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204639.zip) Discussion on Tx profile implementation [O074] OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2204640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204640.zip) Correction on [O027, O028, O030, O031, O034-O046] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

[R2-2204863](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204863.zip) Discussion on TX profile for broadcast and groupcast Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2204953](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204953.zip) Issues corresponding to TX Profile CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2205098](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205098.zip) Discussion on Sidelink UE information ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205099](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205099.zip) Discussion on SL DRX remaining issues for IE design ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205100](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205100.zip) Discussion on TX profile issues for SL DRX ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205117](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205117.zip) remaining issues related to the TX profile LG Electronics France discussion

[R2-2205176](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205176.zip) Configuration aspects of SL DRX Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2205183](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205183.zip) Correction on RIL issue E042 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

[R2-2205184](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205184.zip) Correction on RIL issue E046 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

[R2-2205185](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205185.zip) Correction on RIL issue E047 Ericsson draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

[R2-2205316](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205316.zip) [X209] Discussion on preconfigured GC/BC SL DRX usage Xiaomi discussion

[R2-2205318](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205318.zip) [X210] Discussion on GC/BC sidelink DRX operation in partial coverage Xiaomi discussion

R2-2205335 Reply LS to SA2 on Tx Profile LG Electronics France LS out Rel-17 To:SA2 Late

[R2-2205537](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205537.zip) Preferred DRX configuration Samsung discussion

[R2-2205538](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205538.zip) TX profile for GC/BC Samsung discussion

[R2-2205620](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205620.zip) [B200][B201][B202][B203]Some correction for SL DRX Configuration Lenovo discussion NR\_SL\_enh-Core

[R2-2205642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205642.zip) [A914][A918][A919] Discussion on corrections of IUC Scheme 1 configurations in RRC Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2205643](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205643.zip) [Draft] LS on RRC parameters for IUC Scheme 1 Apple LS out Rel-17 NR\_SL\_enh-Core To:RAN1

[R2-2205644](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205644.zip) [A904][A905][V380] Discussion on RRC configuration for power-saving resource pools Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2205707](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205707.zip) Discussion on Configuration Aspects Qualcomm India Pvt Ltd discussion

[R2-2206048](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206048.zip) On corrections of TX UE reporting reject related to [H654] Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

#### 6.15.2.3 User plane aspects

Including detailed behavior for timers/offsets, resource reselection, HARQ A/N when grant is dropped due to no RX-UE in activet time, etc.

[R2-2204552](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204552.zip) Clarification on resource re-selection for pre-empted resource with SL DRX SHARP Corporation discussion NR\_SL\_enh-Core

[R2-2204574](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204574.zip) Correction on user plane aspects for SL DRX OPPO CR Rel-17 38.321 17.0.0 1221 - F NR\_SL\_enh-Core

[R2-2204575](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204575.zip) Miscellaneous correction on user plane aspects for SL DRX OPPO CR Rel-17 38.321 17.0.0 1222 - F NR\_SL\_enh-Core

[R2-2204580](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204580.zip) Discussion on DRX left issues for user plane aspect OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2204642](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204642.zip) Correction on [O069, O096, O097] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

R2-2204779 Correction on user plane aspects for SL DRX (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1235 - F NR\_SL\_enh-Core Late

[R2-2204781](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204781.zip) Correction on user plane aspects for SL DRX LG Electronics France CR Rel-17 38.321 17.0.0 1237 - F NR\_SL\_enh-Core

[R2-2204782](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204782.zip) Discussion on remaining issues for user plane aspect LG Electronics France discussion Rel-17 38.321

R2-2204783 Discussion on remaining issues for user plane aspect LG Electronics France discussion Rel-17 38.321 Withdrawn

[R2-2204864](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204864.zip) Further consideration on SL DRX with TP for MAC spec corrections Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2204865](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204865.zip) Clarification on Uu DRX for SL communication Huawei, HiSilicon discussion Rel-17 NR\_SL\_enh-Core

[R2-2204922](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204922.zip) Miscellaneous correction on TS 38.321 for SL DRX Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1242 - F NR\_SL\_enh-Core

[R2-2204946](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204946.zip) Combination of SL DRX, Discovery and relay-related Communication CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2204947](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204947.zip) Discussion on the SL DRX Inactivity Timer Maintenance CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2204948](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204948.zip) Correction on the SL DRX Inactivity Timer Maintenance CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

[R2-2204949](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204949.zip) Discussion on the SL DRX Retransmission Timer Maintenance CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2204950](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204950.zip) Correction on the SL DRX Retransmission Timer Maintenance CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

[R2-2204951](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204951.zip) Miscellaneous corrections on SL DRX CATT draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

[R2-2205104](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205104.zip) Correction on resource pool selection for IUC ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1252 - F NR\_SL\_enh-Core

[R2-2205105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205105.zip) Discussion on user plane FFS issues for SL DRX ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205107](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205107.zip) Correction on Destination ID index in SL BSR ZTE Corporation, Sanechips CR Rel-17 38.321 17.0.0 1253 - F NR\_SL\_enh-Core

[R2-2205136](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205136.zip) Discussion on SL MAC aspects ASUSTeK discussion Rel-17 38.321 NR\_SL\_enh-Core

[R2-2205180](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205180.zip) Corrections of 38.321 on TX resource selection Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

[R2-2205181](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205181.zip) Corrections of 38.321 on SL grant reception Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

[R2-2205182](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205182.zip) Corrections of 38.321 on IUC MAC CE Ericsson draftCR Rel-17 38.321 17.0.0 F NR\_SL\_enh-Core

[R2-2205536](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205536.zip) MAC open issues Samsung discussion

[R2-2205622](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205622.zip) Aligning Parameter names for UC GC and BC Lenovo CR Rel-17 38.321 17.0.0 1275 - F NR\_SL\_enh-Core

[R2-2205833](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205833.zip) Discussion on active time of SL DRX for the announced periodic transmissions Nokia, Nokia Shanghai Bell discussion NR\_SL\_enh-Core

[R2-2205910](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205910.zip) Corrections on HARQ RTT Handling in MAC Specification InterDigital, Ericsson, Apple draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

[R2-2205911](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205911.zip) Corrections on Inactivity Timer Resetting for Groupcast InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

[R2-2205912](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205912.zip) Corrections on Active Time Definition at the TX UE InterDigital draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

#### 6.15.2.4 Inter-UE Coordination

Including priority order between IUC REQ and IUC MAC CEs, need of timer-based latency bound restriction for condition-based IUC (including details if needed), timer value, maximum number of resource combinations that can be included in IUC INFO MAC CE, etc.

[R2-2204553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204553.zip) Remaining issues on resource selection for Inter-UE coordination SHARP Corporation discussion NR\_SL\_enh-Core

[R2-2204576](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204576.zip) Correction on user plane aspects for inter-UE coordination OPPO CR Rel-17 38.321 17.0.0 1223 - F NR\_SL\_enh-Core

[R2-2204581](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204581.zip) Discussion on left issue of inter-UE coordination OPPO discussion Rel-17 NR\_SL\_enh-Core

R2-2204780 Correction on user plane aspects for Inter-UE Coordination (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1236 - F NR\_SL\_enh-Core Late

[R2-2204784](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204784.zip) Discussion on remaining issues for Inter-UE Coordination LG Electronics France discussion Rel-17 38.321

[R2-2204923](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204923.zip) Remaining issues on inter-UE coordination MAC CE Huawei, HiSilicon discussion NR\_SL\_enh-Core

[R2-2204924](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204924.zip) Discussion on latency bound for inter-UE coordination Huawei, HiSilicon discussion NR\_SL\_enh-Core

[R2-2204952](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204952.zip) Open Issues of Inter-UE Coordination CATT discussion Rel-17 NR\_SL\_enh-Core

[R2-2204968](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204968.zip) Remaining issues on inter-UE coordination Lenovo discussion Rel-17

[R2-2205103](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205103.zip) Discussion on inter-UE coordination ZTE Corporation, Sanechips discussion Rel-17 NR\_SL\_enh-Core

[R2-2205137](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205137.zip) Correction on inter-UE coordination ASUSTeK CR Rel-17 38.321 17.0.0 1258 - F NR\_SL\_enh-Core

[R2-2205141](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205141.zip) Discussion on need of timer-based latency bound restriction for condition-based scenario NEC Corporation discussion Rel-17

[R2-2205177](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205177.zip) Remaing issues of inter-UE coordination Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2205344](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205344.zip) Further Issues on Collision Avoidance of IUC messages Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core

[R2-2205366](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205366.zip) Validity of IUCInformation Messages Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_SL\_enh-Core

[R2-2205535](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205535.zip) IUC open issues Samsung discussion

[R2-2205604](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205604.zip) Correction on SL grant selection procedure for inter UE coordination Samsung CR Rel-17 38.321 17.0.0 1274 - F NR\_SL\_enh-Core

[R2-2205639](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205639.zip) Discussion on limit of resource combinations in IUC-info MAC CE Apple, Ericsson, InterDigital, vivo discussion Rel-17 NR\_SL\_enh-Core

[R2-2205640](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205640.zip) Discussion on the timers for IUC INFO delivery Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2205641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205641.zip) Lack of priority information for preferred resource set in IUC INFO Apple discussion Rel-17 NR\_SL\_enh-Core

[R2-2205703](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205703.zip) Multiple MAC CE handling and remaining PDB related to inter-UE coordination vivo discussion Rel-17

[R2-2205708](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205708.zip) Discussion on Inter-UE Coordination Qualcomm India Pvt Ltd discussion

[R2-2205791](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205791.zip) Open issues for Inter-UE coordination Intel Corporation discussion Rel-17 NR\_SL\_enh-Core

[R2-2205881](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205881.zip) Enabling unsolicited transmission of IUC Nokia, Nokia Shanghai Bell draftCR Rel-17 38.321 17.0.0 NR\_SL\_enh-Core

#### 6.15.2.5 Power-saving resource allocation

Including details of resource pool and partial-sensing based resource allocation/random selection.

[R2-2204565](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204565.zip) [V380] Discussion on the applicability of power-saving resource allocation to NR SL discovery vivo discussion R2-2204323

[R2-2204566](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204566.zip) [V351] On corrections to NR SL communication procedure using exceptional pool vivo discussion

[R2-2204567](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204567.zip) [V350] Corrections on NR SL communication transmission procedures in mode-2 normal pools vivo discussion

R2-2204568 [O092] Clarification on the CBR related default parameters vivo discussion Withdrawn

[R2-2204577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204577.zip) [O092] Correction on default CBR configuration OPPO CR Rel-17 38.331 17.0.0 2975 - F NR\_SL\_enh-Core

[R2-2204582](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204582.zip) [O092] Discussion on default CBR measurement value OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2204641](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204641.zip) Correction on [O066, O067] OPPO draftCR Rel-17 38.331 17.0.0 F NR\_SL\_enh-Core

[R2-2205102](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205102.zip) correction on exceptional resource pool for power saving ZTE Corporation, Sanechips CR Rel-17 38.331 17.0.0 3048 - F NR\_SL\_enh-Core

R2-2205142 Correction on user plane aspects for power saving (Rapporteur CR) LG Electronics France CR Rel-17 38.321 17.0.0 1260 - F NR\_SL\_enh-Core Late

=> Withdrawn

### 6.15.3 Other

Including any other corrections.

[R2-2204588](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204588.zip) Discussion on Sidelink DRX for Sidelink Relay MediaTek Inc., APPLE, OPPO discussion Rel-17 NR\_SL\_relay-Core

[R2-2204673](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204673.zip) Discussion on the need of capability filter OPPO discussion Rel-17 NR\_SL\_enh-Core

[R2-2205179](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205179.zip) Issues of SL DRX for L2 U2N relay Ericsson discussion Rel-17 NR\_SL\_enh-Core

[R2-2205269](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205269.zip) Corrections on the Sidelink DRX NEC Corporation CR Rel-17 38.300 17.0.0 0457 - F NR\_SL\_enh-Core

[R2-2205272](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205272.zip) Way forward for Sidelink DRX configuration report for Relay purpose MediaTek Inc. discussion Rel-17 NR\_SL\_relay-Core Late

[R2-2206047](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206047.zip) Correction on SL DRX configuration for SL Relay MediaTek Inc., Huawei, ZTE, OPPO draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

## 6.16 NR Non-Public Network enhancements

(WI NG\_RAN\_PRN\_enh-Core; leading WG: RAN3; REL-17; WID: RP-202363)

WI has been declared 100% complete

* [AT118-e][035][eNPN] Corrections (Nokia)

Scope: Treat all tdocs under 6.16. ph1 determine agreeable parts. Ph2 agree CRs.

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

### 6.16.1 General

#### 6.16.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

#### 6.16.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR Rapporteur.

R2-2205489 Corrections for eNPN from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0461 - F NG\_RAN\_PRN\_enh-Core Late

[R2-2205490](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205490.zip) Corrections for eNPN from RAN2#118 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3089 - F NG\_RAN\_PRN\_enh-Core Late

### 6.16.3 Corrections

[R2-2206012](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206012.zip) [E036][E037] Corrections for eNPN 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: 4 tdocs

WI has been declared 100% complete

### 6.17.1 General

#### 6.17.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

New LS in

Take into account immediately in offline discussions

[R2-2206359](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206359.zip) LS response on feMIMO RRC parameters (R1-2205168; contact: Samsung)

[R2-2206438](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206438.zip) LS response on TCI state signalling for SRS resource (R1-2205247; contact: OPPO)

R2-2206443 TCI State Indication for SRS Resource Samsung discussion

Discussion doc from WI rapporteur related to R2-2206438

LS in

[R2-2204429](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204429.zip) Additional LS response to RAN2 on beam management for multi-TRP (R1-2202942; contact: CATT) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

* Noted

[R2-2204462](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204462.zip) Reply LS on Enhanced TCI state indication for UE-specific PDCCH MAC CE (R1-2202810; contact: Intel) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

* Noted

[R2-2204465](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204465.zip) LS on feMIMO RRC parameters (R1-2202903; contact: Ericsson) RAN1 LS in Rel-17 NR\_feMIMO-Core To:RAN2

* Ericsson explains that all this has been taken into account
* Noted

#### 6.17.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

[R2-2205207](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205207.zip) MAC Corrections on feMIMO Samsung CR Rel-17 38.321 17.0.0 1261 - F NR\_feMIMO-Core

* SS: Just editorial corrections, no need to look at the details.
* Baseline for further updates

[R2-2205499](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205499.zip) MIMO ASN1 RIL list Ericsson discussion Late

* Chair asks to confirm the propAgree and propReject statuses (can still discuss details)
* Catt think C619 is proposed reject but is highlighted. Ericsson explains that the high light is just new items added in a revision.
* Vivo wonder about V113 which is prop reject. Ericsson think the status maybe a mistake.
* Confirm the propAgree and propReject statuses, except for V113

[R2-2205497](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205497.zip) Correction for feMIMO WI Ericsson CR Rel-17 38.331 17.0.0 3090 - F NR\_feMIMO-Core Late

* Baseline for further update

### 6.17.3 Corrections

* [AT118-e][075][feMIMO] BFD Resource Handling (Apple)

Scope: Applies to MAC and RRC. Await info from RAN1. Take into account incoming LSes (or RAN1 decisions) when applicable/available. Address Open issues. Attempt to converge, Identify agreements and discussion points. The discussion should assume that R2 will follow R1 requests.

Intended outcome: Report for CB (maybe multiple revisions, as it may need to be updated multiple times dep on R1 progress).

Deadline: Set by rapporteur, for CB W2 any day (notify Chair).

[R2-2206577](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206577.zip) Summary of [AT118-e][075][feMIMO] BFD Resource Handling (Apple) Apple

DISCUSSION

RRC

1a

* OPPO would like to keep the Id. Apple think we can refer to set1 set2 instead, no need for an ID. Xiaomi agrees and think this is sufficient.

P2 and P4a

* LGE wonder for P2, during the gap between RRC and MAC CE there is no resource? Apple confirms.
* Samsung think that if RRC configures then UE shall perform BFD, MAC CE shall just update the resource. Apple think R1 didn’t describe it this way in their LS.
* ZTE think RRC message can be sent with MAC CE (same TB) and there is no issue.
* Intel think bec RRC processing delay gNB would send MAC CEs after RRC. Think in any case there is no issue.
* P1, P1a, P3, P6 are agreed
* P2, P4a, P4b, P5 are agreed

#### 6.17.3.1 RRC centric

FFSes: MPE reporting in ICBM (inter-cell beam management): It is not clear whether explicit additional PCI is needed or not. Epxected updated based on RAN1 reply; For ASN.1 details further input is expected: maxNrofCandidateBeams-r17 is not known yet, maxNrofBFDResourcePerSet-r17 is said in LS 64 but feature discussion might indicate just max 2 per set.

Online first

Rapporteur

[R2-2205883](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205883.zip) MIMO RILs discussion (V102, I115, TBD) Ericsson discussion NR\_feMIMO-Core Late

[R2-2206348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206348.zip) MIMO RILs discussion (V102, I115, TBD) Ericsson discussion NR\_feMIMO-Core Later

DISCUSSION W1 Mon

* Revision: Ericsson indicates that the only update was with N102 N123

P1

* Intel LGE support.
* OPPO think that there are cases of SRS (Sp ap) where it is natural to have MAC CE support. Ericsson think this was not informed to RAN2, and there is no time.
* Nokia agree with Rapp, in general. Think we should decide to not have MAC CE and just tell RAN1.
* Vivo agree the first part. Think for MAC CE we need to check with R1 to verify their intentions. If no further input from R1 can be excluded.
* ZTE also agree with first part. Think R1 has decided that MAC CE should be used, think the assumption is that R16 MAC CE can be reused, but with TCI ID.
* Intel agrees that is it not clear how to reuse MAC CEs as in R1 agreement
* Chair think TP in R2-2205921 is agreeable. OPPO think it is ok for periodic but not for other cases, prefer to wait until we have whole picture.
* Nokia think that
* Chair think that if R1 clearly explains that the consequences of not supporting MAC CEs are serious, then R2 can make some corresponding change.

P4

* Nokia think we can maybe ask a very specific question to R1, e.g. give two options and ask which one is correct.
* (on P1) LS to RAN1, ask what the intentions are, ask if only RRC update would be useful or sufficient, request immediate reply. Can also ask for more details to shorten the subsequent R2 discussion
* (On P4), continue discussion offline to determine the potential interpretation (or two possibly interpretations, one acc to LS one acc to 38.214),
* [AT118-e][052][feMIMO] SRS TCI state (OPPO)

Scope: Ref discussion on R2-2206348 “(on P1) LS to RAN1, ask what the intentions are, ask if only RRC update would be useful or sufficient, request immediate reply. Can also ask for more details to shorten the subsequent R2 discussion”, gather comments and progress a draft LS out.

Intended outcome: Agreeable Draft LS

Deadline: CB online May 10 (tomorrow)

CLOSED

* [AT118-e][053][feMIMO] PCI in TCI state (Ericsson)

Scope: Ref discussion on R2-2206348 “(on P4) continue discussion offline to determine the potential interpretation (or two possible interpretations, one acc to LS one acc to 38.214)”. in case there really is an inconsistency, the result may be a LS to RAN1 asking which specific interpretation is correct.

Deadline: CB online May 10 (tomorrow)

CLOSED

REPORT CB [052], W1 TUE

* Outcome is the below LS out

[R2-2206355](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206355.zip) Draft LS on TCI state signalling for SRS resource LS out OPPO

* QC wonder if we shall say that 1 and 2 have high priority and MAC CE can be later. OPPO think all is urgent. Ericsson think RRC dep on whether we have MAC CEs or not.
* Nokia think R1 need to point out what is essential.
* Nokia think that the follow-flag not sure whether it is for SRS resource or SRS resource set. Think we can ask this as well. OPPO think this is not essential and is already hinted in the LS. Nokia is ok with current wording in the LS. ZTE agree with OPPO and think R1 design is deliberate, this is clear in R1 TS. LGE also agree with OPPO and ZTE.
* Vivo think we can do RRC CRs for this anyway. Think we can point out that we need reply by end of next week
* The LS is approved in R2-2206356

REPORT CB [053], W1 TUE:

DISCUSSION

* Outcome Vocally presented: Ericsson reports that there is consensus to agree to the TP in R2-2205916, and think that the TP gives good separation between serving cell and additional PCI, as functionality is different in several contexts.
* Nokia are now ok with this
* Ericsson suggest to merge the TP first and then do general review on the main CR.
* Huawei think we don’t need to inform R1, others agree.

[R2-2205916](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205916.zip) [H060] Inter-cell beam measurement configuration Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

* TP is agreed (to be merged into the CR)

Resume / Continue on R2-2206348 W1 TUE

DISCUSSION

ON DC + feMIMO

* Intel think there are issues that need to be addressed for this. Think that SCG deactivation reactivation may bring issues if the physical resources needed for feMIMO may become unavailable. LGE think there are indeed issues.
* OPPO think that there are no additional issues, many others agree.
* Huawei think that if we find that it doesn’t work then we don’t fix it in Rel17. Nokia agree that we should not optimize for such cross-feature handling.
* Apple think that if DC + feMIMO is supported there may need to be new R4 requirements, so this may bring extra work. Chair think it would be up to RAN4 is they choose to make requirements specific for such case (it may not make sense),
* RAN2 assumes (for now) that Rel17 DC (Rel-17 DC is mainly SCG deactivation) and feMIMO may be configured at the same time (can revisit if issues are found).
* [AT118-e][076][feMIMO] RRC (Ericsson)

Scope: 1. Open issues. Take into account progress. Address open issues in submitted tdocs 6.17.3.1 and open RILs. Collect comments, Attempt to converge, identify agreements and discussion points that need online CB. Can take into account incoming LSes when applicable. 2. Progress the RRC CR.

Intended outcome: 1 Report for CB, 2. Agreed CR (in the end).

Deadline: for CB W2 Wed,

R2-2206592 [AT118-e][076][feMIMO] RRC Ericsson

DISCUSSION W2 WEDNESDAY

P1

* Ericsson indicate that for SRS we don’t have multiple TCI states, so no switching needed.
* Nokia are hesitant to remove the MAC CEs as we might need to add them again. Ericsson think it would make sense to add both RRC part and MAC CEs at the same time (with a UE cap). Nokia agrees that R1 hasn’t done a good job, think SRS is a basis for other things. Think we need to add a note saying something is missing.
* OPPO think R1 has asked R2 to introduce MAC CEs, OPPO think semipersistent SRS cannot work without MAC CE activate deactivate. Ericsson think semipersistent can be supported with RRC but with a static configuration. ZTE agrees with OPPO, think in the LS R1 has made clear that static RRC config is only for periodic SRS.
* Intel think we have 5 different types of SRS with different mechanisms for resource indication. Huawei assume that we didn’t need new parameter.
* OPPO think R1 info is clear. Ericsson think it just indicate one TCI state, is a list required?
* CATT think R1 LS asked for RRC change and MAC change, think we can start from the MAC change.
* QC think maybe we introduce MAC CEs next meeting, the RRC change may be ok.

*Chair: We make another attempt to fix this, TBD if any LS to R1 is needed.*

P2

* OPPO think R1 requires range up to 8. Ericsson clarifies that the reason is that it is used in two places. Think that if we split it into two then we can keep one of them 0..7. OPPO think it should be ok to have text clarifying.
* Huawei think we should split into two ranges, as we don’t do this normally. Samsung agrees.

P4

* Intel has comments, but can discuss details offline, in the CR discussion.

P7

* Currently in PHR config, should it be per cell? All cells?
* Intel proposed to change, due to R1 request, can also indicate BWP ID etc. Intel think R1 expectation is 64 per BWP
* Nokia think that BWP reconfig involves user plane interruption so a is preferred but both can work. Intel think this is not reconfigured frequently so no issue with UP interruption. .
* ZTE think both a and b are ok.
* LGE prefer b as we can skip the association info.
* P1: We assume to follow R1 request to support MAC CEs
* P2: Split into two separate ID ranges (0..63) (0..7)
* P7: b is agreed
* CR to be additionally based on P3, P4, P5, P6, P8, P9, P10, P11, P12, P13 (they are agreed as baseline but details to be further reviewed)

SRS TCI State

[R2-2205921](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205921.zip) [H103] SRS resource usage with unified TCI framework Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

[R2-2204599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204599.zip) Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

[R2-2205413](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205413.zip) Consideration on the SRS TCI state for UnifiedTCIState ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

MPE

[R2-2204598](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204598.zip) Discussion open RRC issues on MPE report and BFR OPPO discussion Rel-17 NR\_feMIMO-Core

[R2-2204820](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204820.zip) Discussion on MPE for ICBM vivo discussion Rel-17 NR\_feMIMO-Core Late

[R2-2205414](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205414.zip) Further Consideration on [RILZ095] for Enhanced MPE ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

[R2-2205789](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205789.zip) Discussion on [I115], [I116, Z095], [I102] Intel Corporation discussion Rel-17 NR\_feMIMO-Corex

[R2-2205920](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205920.zip) [Z095][I116] MPE RRC configuration Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

BFD/BFR

[R2-2204914](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204914.zip) RRC signaling for BFD-RS set configuration Fujitsu discussion Rel-17 NR\_feMIMO-Core

[R2-2204915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204915.zip) [F002] Beam failure with iner-cell mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

PCI in TCI State

[R2-2205421](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205421.zip) Discussion on Association of PCI index and TCI state CATT discussion Rel-17 NR\_feMIMO-Core

[R2-2204599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204599.zip) Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

DC + mTRP (F001, F002)

[R2-2204599](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204599.zip) Discussion on RILs:F001, F002, V101,V102,H059,H060, I105,V112,V109,I115,Z095 OPPO discussion Rel-17

[R2-2204915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204915.zip) [F002] Beam failure with iner-cell mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

Option of extending original TCI state IE

[R2-2205385](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205385.zip) [N019, N020, N102, N123] RRC corrections to FeMIMO Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core Late

[R2-2206332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206332.zip) [N102, N123] Corrections to unified TCI state Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 F NR\_feMIMO-Core

Two main Changes:

1: 4 lists -> list of lists

2: Extend legacy TCI state instead of a new one.

DISCUSSION

* Intel are ok for the first change but think MAC change is needed as well. For second change, need careful review.
* HW think this need careful review
* MTK agrees this need to be checked.
* LGE think the second change was on the table from beginning but think there were some reasons for the current structure. Have some sympathy but no need to change.
* HW: first point the intention is reasonable, but not sure.
* ZTE think we can check first.
* Samsung think that there is functional difference between this proposal and the current e.g. wrt delta signalling, think current way is better.
* Separate offline to check this (CB online beg W2 to decide if we want any of this or not)
* [AT118-e][054][feMIMO] N102 N123 Unified TCI state (Nokia)

Scope: See RIL descriptions N102 N123, illustrated in R2-2206332, further discussed in R2-2206348 P7 (in the body, not conclusions). Task to check for consequences, whether / which of the proposed enhancements/changes can work. Also, opportunity for companies to develop opinions, whether the changes actually enhances maintainability, clarity etc.

Intended outcome: Report alt agreeable revision of R2-2206332 alt both alt neither (if nothing seems agreeable).

Deadline: CB online W2 MON (can be extended to W2 WED if needed).

R2-2206367 Report of [AT118-e][054][feMIMO] N102 N123 Unified TCI state (Nokia) Nokia

DISCUSSION

PA1:

* ZTE think that for A1-1 a serving cell can only be included in one serving cell set, think it doesn’t work if this applies for DL serving cell set and UL serving cell set. Intel agrees with ZTE.
* Nokia think we have two for DL and two for UL. Think that applicability of change is not clear from R1.
* Samsung wonder how to know which list is for DL and for UL, need explicit index or what?
* Nokia think that the easiest way is to not use the addmodrel list. Keep as it is instead. No need to agree on A1-1 then.
* Huawei also wonder how this can work with 2 + 2 lists.

*Chair: A1-1 and A1-2 are not agreed.*

* OPPO think there is confusion how to use these 4 lists anyway. Shall we send LS to RAN1? Intel is ok to send LS, ZTE wonder it this can be up to impl, ok to send LS. Nokia are ok to send LS. Intel think the main issue is if cells in the same list is activated with different type TCI state.
* Consider to Send LS to R1 (if LS is needed)

P3-1:

* LGE see some value with this, think the main difference between the new and legacy IE is the UL, and think when UL is separated into a separate part, this compromise is not better than in the current CR. Nokia agrees and think that for joint TCI state, then it would indeed be better to not separate, would be ok to go for more complete restructure. LGE would prefer the complete restructure.
* Intel are ok to go with updated structure but need more time to review. Q on ref signl indication, think for UL TCI state CSI RS doesn’t need to be referenced. Nokia think that the reference signals is mandatory in legacy, but the new fields are critical extension so the legacy field here will not be used. Intel are ok with this understanding.
* OPPO think that feMIMO is both mTRP and ICBM, if we go for this proposal will the extension be applicable also for mTRP. Nokia think no, as mTRP cannot use the unified TCI state in thie release. OPPO wonder if same additionalPCI can be used also for mTRP.
* Intel think that in this case we need to have restrictions for mTRP, e.g. also SRS is not used for DL TCI state.
* OPPO think people has more concerns on UL TCI state. If we go for complete restructure there will be more issues.

B1

* CATT think this is agreeable regardless.

C1

* Ericsson had some detailed comments on the misc changes in R2-2206332.
* Use legacy TCI-State IE (with extensions) for DL/Joint TCI states and have separate IE for UL TCI states and add extension marker to UL-TCI-State IE.
* Move the field *additionalPCI* from *QCL-Info* IE to parent IE.
* Change the field descriptions related to unified TCI states so that they refer to field names and not IE names.
* Retain the name of "*followUnifiedTCI-State*" but consider adopting the rest of the miscellaneous changes in R2-2206332.

Misc

[R2-2205922](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205922.zip) [H102] Replace PUCCH-SRS with IE Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

[R2-2205915](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205915.zip) [H059] Channel measurement resource configuration for mTRP Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core Late

#### 6.17.3.2 MAC centric

FFSes: Details for Enhanced PHR MAC CE with enhanced MPE whether bits for beam presence are needed, if needed the MAC CE format may be updated for optimization; Details for Enhanced PHR for multiple TRP MAC CE; Reporting procedures (which serving cells are reported, how to handle the DC cases, etc), If needed, the MAC CE format may be updated; Need to determine if following feature is supported: Upon reception of a MAC CE to activate an SP SRS resource set for antenna switching, the UE considers any previously activated SP SRS resource set for antenna switching as deactivated; Configuring/Update of explicit BFD-RS set by MAC CE

Online first – if time

General

[R2-2204882](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204882.zip) Remaining issues on MAC LG Electronics Inc. discussion NR\_feMIMO-Core

P3

* ZTE think this also need to go, as we wait for R1 acc to P2.

P4

* LGE indicate that further discussion is needed. Intel wonder if we then don’t support both MPE and twoPHR mode simultaneously. LGE think R1 has confirmed that they are not simlutaneous. QC and Apple also think these feature cannot be configured together
* ZTE think this can just be a baseline.
* Apple indeed think that the two configs shall be assumed non-simultaneous.
* Chair: soften the wording of P4 a bit to reflect the discussion and the need for further discussion.

P6

* Asustek think a clarification is needed. LGE think that for single TRP legacy procedure is used and the distinguish is only needed for multiTRP. Asus then wonder for a MAC entity the enhanced PHR mac ce will then be used for both cases. LGE confirms.
* Intel are ok with the intention of P6 but think that SRS resource shall be used in the TS rather than TRP.
* OPPO think that even if two SRS resource set but pusch rep is not configured, then only one PH? Intel think this is a question we asked to R1, Intel understands that mTRP R17 is same as PUSCH repetition
* ZTE think an issue is how information can be obtained in the network to interpret PH calculated from both MCG and SCG, maybe inter node coord is required.

P7

* Nokia wonder what is the consequence of this, how does the network know how many beams the report is for.
* LGE think that for MPE there is a paired beam info, thus should be clear. Nokia think P field is not sufficient.
* Chair: guess then we need more discussion.
* For Truncated Enhanced BFR MAC CE, BFR information of both TRPs of SpCell is included first before BFR information of SCell.
* Which type of PHR MAC CE should be generated depend on the feature configuration, i.e., whether either *mpe-Reporting-FR2-r17* or *twoPHRMode-r17 is configured*. Further details FFS
* Specify the behaviour to obtain the value for MPEi field and SSBRIi or CRIi field, with the feature configuration, as procedure text.
* Specify the behaviour to obtain PH value by distinguishing SRS-resource set for sTRP and mTRP.

[R2-2205206](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205206.zip) Remaining Corrections for MAC issues Samsung discussion NR\_feMIMO-Core

P1

* Huawei think indeed the old MAC CE can be used, but think then we assume some network behaviour that is not captured anywhere, some something need to change.
* LG wonder between deactivation and activation whether there is an issue for the deactivated state.
* R2 assumes no (or very limited) specification change for SP SRS Activation/Deactivation MAC CE i.e. gNB deactivates the SP SRS resource set for antenna switching before the new SP SRS resource set is activated.
* [AT118-e][077][feMIMO] MAC (Samsung)

Scope: 1. Open issues. Take into account progress. Address open issues in submitted tdocs 6.17.3.2. Collect comments, Attempt to converge, identify agreements and discussion points that need online CB. Can take into account incoming LSes when applicable. 2. Progress the MAC CR.

Intended outcome: 1 Report for CB, 2. Agreed CR (in the end).

Deadline: for CB W2 Wed,

R2-2206563 Summary of [AT118-e] [077] [feMIMO] MAC (Samsung) Samsung

DISCUSSION W2 WED and THU

**SRS indication MAC CE**

**P1234**

* **No Comments**

**P5**

* OPPO think the MAC CE format in Samsungs paper need more discussion.
* Ericsson wonder what the resource ID refers to. OPPO think UL or joint TCI state ID. Ericsson think there is no such ID referring to SRS config. OPPO think this is similar to R16.
* Samsung think that for periodic SRS, RRC indicates, For Ap and SP SRS, TCI states are applicable for PDSCH config in BWP UL dedicated. ZTE Intel Apple agrees.
* Samsung anyway think that wrt included information we can follow R16 MAC CEs. OPPO think serving cell and BWP ID were included before but R17 TCI state already refers to this. Samsung think we don’t know for which cell the TCI state ID is applicable.
* Apple think R1 provided this detailed design in their LS. ZTE and xiaomi think this is to indicate TCI state ID for other serving cell.

Further Comments the next day:

* OPPO think after checking w R1, that TCI state indicated should always be for the same serving cell where SRS resource is configured. ZTE think the LS is clear that cell ID is needed, do we need another LS then? Samsung also checked with R1, think serving cell ID and BWP ID are needed, think presence dep on Ci field. HW has same view as Samsung. Apple too.

*Chair: it seems that the proposed MAC CE can be agreeable, but details can of course be discussed in CR discussion*

MPE MAC CE

P6, P7

* Nokia think everyone agree that P-bit is needed, but think this doesn’t work. Typical use case is that the UE reports beams for which the P-bit is not set.
* QC agrees with Nokia that this is needed in some cases. UE may detect less than configured no of beams.
* ZTE doesn’t agree. Think MPE reporting must be done in order to use a beam. ZTe think that UE reports something. Nokia think PCmax is included in the MAC CE, but only one value. Nokia wonder then what is reported for non-detected beams.
* LGE and Intel agree w Nokia think this is new information, not legacy.

7-1, 2, 3

* Nokia think we can go offline with the details. Can do this multiple ways. OPPO agrees
* LGE think that if beam is not detected then what is reported. Intel think Bi = 0 and nothing more is reported. LGE think that if the UE apply power reduction the UE reports, even if the beam cannot be detected. Nokia
* QC think that Bi field is only for how many beams the UE may detect (with or without MPE issue). ZTE now understand the intention.

PHR

P10

- ZTE support bitmap in the MAC CE, to avoid inter node message.

- QC think inter-node message is the usual way, not sure about the bitmap. Network should always know.

- ZTE think both internode message and bitmap is needed. OPPO wonder for NR DC why, think the bitmap is not needed then, as all configuration can be exchanged. QC think the bitmap is not needed then.

P11

- Apple wonder if DC is NR DC only or if EN DC is also included. Samsung think LTE node use the legacy format. Apple think this may impact the LTE side PH reporting.

- OPPO think both NR DC and MR DC are supported. For NR DC the principle should be same as P9. For MR DC no new format for LTE node, for NR, also follows P9.

- QC think for MR DC u1 is applied. Think that the UE can report one PH value for all serving cells.

- ZTE think u1 doesn’t work well. Think there will be incompatibility of MAC CEs r17 being sent to legacy gNB.

- ZTE think that also for NR if the node is not confugred with twoPHR mode it is possible it is not capable of feMIMO.

- QC think also the reporting for serving cells across different MAC entity should refer to configuraiton of twoPHE mode. ZTE think this is the same as mTRP based PUSCH repetition, QC think this is different, and there are different UE capabilities.

- Intel think whether one PH value or two PH values are generated depend on whether PUCCH repetition is configured.

BFD/BFR

* No Discussion, all agreeable
* P1, P2, P3, P4 are agreed
* P5: The proposed MAC CE is the baseline
* For MPE MAC CE, Beam presence indication (i.e. Bi field) is needed and indicates the presence of {SSBRI/CRI new MPE/R} for this beam.
* If PHR is transmitted towards a MAC entity NOT configured with twoPHRMode (LTE or NR),

Legacy PHR MAC CE is generated.

For all Serving Cells across the different MAC entities:

- UE should report one PH value for all serving cells

* If PHR is transmitted towards a MAC entity configured with twoPHRMode,

Enhanced PHR MAC CE is generated.

For all Serving Cells of different MAC entities:

**- UE should calculate/report one or two PH values for the serving cell belonging to the MAC entity which is configured with twoPHRMode, acc to P9.**

**- UE should calculate/report one PH value for the serving cell belonging to the MAC entity which is not configured twoPHRMode.**

* gNB knows how many PH values are present in serving cell(s) in case of DC by being informed of configuration by inter-node message.
* P8, P9, P12 are agreed
* P13, 14 15 16 17 are agreed

[R2-2205919](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205919.zip) SP-SRS resource set activation by MAC CE Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

[R2-2204821](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204821.zip) Discussion on MAC aspects for feMIMO vivo discussion Rel-17 NR\_feMIMO-Core Late

[R2-2205242](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205242.zip) Remaining issues of feMIMO MAC Qualcomm Incorporated discussion Rel-17 NR\_feMIMO-Core

[R2-2205420](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205420.zip) Discussion on Remaining MAC Open Issues CATT discussion Rel-17 NR\_feMIMO-Core

[R2-2205917](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205917.zip) MAC issues on MPE, mTRP PHR and BFR Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

[R2-2205918](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205918.zip) Discussion on the unified TCI framework related MAC CEs Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core

SRS TCI State

[R2-2204597](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204597.zip) Discussion open MAC issues on SRS and CSI-RS OPPO discussion Rel-17 NR\_feMIMO-Core

[R2-2205674](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205674.zip) MAC CE for SRS TCI indication Apple discussion Rel-17 NR\_feMIMO-Core

MPE

[R2-2204596](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204596.zip) Discussion open MAC issues MPE report and PHR OPPO discussion Rel-17 NR\_feMIMO-Core

[R2-2205026](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205026.zip) Remaining issues on Enhanced PHR MAC CE with enhanced MPE Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core

[R2-2205281](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205281.zip) Remaining issue for MPE reporting Sharp discussion Rel-17 NR\_feMIMO-Core

PHR

[R2-2205138](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205138.zip) Discussion on Power Headroom Reporting for mTRP ASUSTeK discussion Rel-17 NR\_feMIMO-Core

[R2-2205205](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205205.zip) Considerations on Enhanced PHR for multiple TRP MAC CE Samsung discussion NR\_feMIMO-Core

[R2-2205415](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205415.zip) Further Consideration on new PHR For mTRP PUSCH repetition ZTE Corporation,Sanechips discussion Rel-17 NR\_feMIMO-Core

[R2-2205416](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205416.zip) CR on 38.331 for PHR-Config ZTE Corporation,Sanechips CR Rel-17 38.331 17.0.0 3081 - F NR\_feMIMO-Core

[R2-2205676](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205676.zip) mTRP PHR report procedure Apple discussion Rel-17 NR\_feMIMO-Core

[R2-2205960](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205960.zip) Reporting procedure for multi-TRP PHR InterDigital discussion Rel-17 NR\_feMIMO-Core

BFD BFR

[R2-2204540](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204540.zip) Remaining Issue for Truncated Enhanced BFR MAC CE Samsung Electronics Co., Ltd discussion Rel-17 NR\_feMIMO-Core

[R2-2205838](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205838.zip) SpCell BFR with multiple BFD-RS sets Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_feMIMO-Core

[R2-2205837](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205837.zip) Miscellaneous BFR corrections Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1287 - F NR\_feMIMO-Core

[R2-2204569](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204569.zip) Miscellaneous corrections to BFD/BFR CENC CR Rel-17 38.321 17.0.0 1220 - F NR\_feMIMO-Core

BFD-RS set update

[R2-2204570](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204570.zip) Update of explicit BFD-RS set by MAC CE CENC discussion

[R2-2205204](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205204.zip) Support of BFD-RS set update MAC CE Samsung discussion NR\_feMIMO-Core

[R2-2205675](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205675.zip) Explicit BFD-RS configuration and indication Apple discussion Rel-17 NR\_feMIMO-Core

[R2-2205123](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205123.zip) Remaining issues on beam failure with mTRP Fujitsu discussion Rel-17 NR\_feMIMO-Core

### 6.17.4 Other

Issues not covered elsewhere.

## 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

[R2-2205469](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205469.zip) [C153] The extension solution with bit string for FeatureCombination CATT discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core Late

[R2-2205677](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205677.zip) Clarification on the RACH partition selection (RIL A022) Apple discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

[R2-2206105](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206105.zip) Feature extension without using extension marker LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2206126](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206126.zip) Miscellaneous corrections to RRC specifications for RACH partitioning (RIL: H538, H900, H901, H902) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2206127](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206127.zip) Corrections on handling of per feature combination parameters (RIL: H535, H536, H542, H903, H904) Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 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

[R2-2205470](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205470.zip) Consideration on UP Remaining Issues of RACH common CATT discussion Rel-17 NR\_cov\_enh-Core, NR\_slice-Core, NR\_SmallData\_INACTIVE-Core, NR\_redcap-Core

[R2-2205486](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205486.zip) Correction on fallback cases from CFRA to CBRA for RedCap UE LG Electronics Inc. discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2205553](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205553.zip) MAC Corrections for RACH partitioning ZTE Corporation (rapporteur) CR Rel-17 38.321 17.0.0 1273 - F NR\_redcap-Core, NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_slice-Core

[R2-2205839](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205839.zip) Introduction of RACH partitioning Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0466 - F NR\_SmallData\_INACTIVE-Core

[R2-2205840](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205840.zip) RACH partitioning MAC issues Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1288 - F NR\_SmallData\_INACTIVE-Core

[R2-2205876](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205876.zip) Feature Prioritization for RACH Partitioning Ericsson discussion Rel-17

[R2-2205941](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205941.zip) Various corrections to MAC spec for RACH partitioning Huawei, HiSilicon draftCR Rel-17 38.321 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

[R2-2205942](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205942.zip) Correction to RACH procedure with SDT applicability Huawei, HiSilicon draftCR Rel-17 38.321 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_slice-Core, NR\_redcap-Core, NR\_cov\_enh-Core

## 6.19 Coverage Enhancements

(NR\_cov\_enh-Core; leading WG: RAN1; REL-17; WID: RP-211566)

WI has been declared 100% complete

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.

[R2-2204444](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204444.zip) Reply LS on Maximum duration for DMRS bundling (R4-2206537; contact: Qualcomm) RAN4 LS in Rel-17 NR\_cov\_enh To:RAN1, RAN2

[R2-2204463](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204463.zip) Reply LS on UL BWP with PRACH resources only for RACH with Msg3 repetition (R1-2202829; contact: ZTE) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2204469](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204469.zip) Reply LS on Stage 2 description for Coverage Enhancements (R1-2202867; contact: China Telecom) RAN1 LS in Rel-17 NR\_cov\_enh-Core To:RAN2

[R2-2204505](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204505.zip) Reply LS on Length of Maximum duration (R4-2206580; contact: China Telecom) RAN4 LS in Rel-17 NR\_cov\_enh-Core To:RAN1, RAN2

[R2-2205069](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205069.zip) Report of [Pre118-e][103][CovEnh] 38331 CR and rapporteur resolutions (Huawei) Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core Late

#### 6.19.1.1 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.

#### 6.19.1.2 Rapporteur CRs

CR Rapporteurs to provide input CRs, if needed.

[R2-2205070](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205070.zip) Correction for NR coverage enhancements (CR rapporteur) Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3039 - F NR\_cov\_enh-Core Late

### 6.19.2 General

All aspects, including possible corrections/TPs for the running CRs.

[R2-2204726](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204726.zip) Stage-2 correction on CE OPPO CR Rel-17 38.300 17.0.0 0443 - F NR\_cov\_enh-Core

[R2-2204739](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204739.zip) Correction to 38.321 on redundancy version for Msg3 repetition OPPO CR Rel-17 38.321 17.0.0 1227 - F NR\_cov\_enh-Core

[R2-2204837](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204837.zip) Discussion on CFRA PUSCH with Repetition vivo discussion Rel-17 NR\_cov\_enh-Core R2-2202981

[R2-2205067](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205067.zip) Clarification on Msg3 repetition RV determination to MAC spec Huawei, HiSilicon CR Rel-17 38.321 17.0.0 1251 - F NR\_cov\_enh-Core

[R2-2205068](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205068.zip) Discussion on the leftover issues for CE-specific RACH Huawei, HiSilicon discussion Rel-17 NR\_cov\_enh-Core

[R2-2205841](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205841.zip) CE RACH only BWP handling Nokia, Nokia Shanghai Bell CR Rel-17 38.321 17.0.0 1289 - F NR\_cov\_enh-Core

[R2-2205842](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205842.zip) Corrections on MSG3 repetition Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.0.0 0467 - F NR\_cov\_enh-Core

[R2-2205851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205851.zip) Further issues on coverage enhancements Ericsson discussion NR\_cov\_enh

[R2-2205852](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205852.zip) On CFRA Msg3 repetitions Ericsson discussion NR\_cov\_enh

[R2-2206034](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206034.zip) On BWP configured with RACH resources only for Msg3 repetition Qualcomm Incorporated discussion Rel-17 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: 4 tdocs

Contributions should illustrate the Stage-3 details of the proposals (e.g. in an Annex containing TP against the running CRs). If a contribution does not provide TP, it may be deprioritized.

This WI has approved exception sheet in RP-220991 but no topics are related to RAN2 work.

### 6.20.1 Organizational

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

[R2-2204852](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204852.zip) Correction of RACH preamble lengths for FR2-2 Qualcomm Incorporated CR Rel-17 38.300 17.0.0 0447 - F NR\_ext\_to\_71GHz-Core

[R2-2205188](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205188.zip) Correction of RRC CR for 71 GHz Ericsson CR Rel-17 38.331 17.0.0 3055 - F NR\_ext\_to\_71GHz-Core Late

[R2-2205189](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205189.zip) RIL issues of RRC CR correction for 71 GHz Ericsson other Rel-17 NR\_ext\_to\_71GHz-Core Late

### 6.20.2 Control plane corrections

Including essential control plane corrections to NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204869.zip) Correction to Stage 2 spec for Ext71GHz Huawei, HiSilicon CR Rel-17 38.300 17.0.0 0448 - F NR\_ext\_to\_71GHz-Core

[R2-2204871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204871.zip) Correction to periodicityAndOffset for Ext 71GHz [H707] Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3008 - F NR\_ext\_to\_71GHz-Core

[R2-2204872](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204872.zip) Discussion on overheating assistance report for SCG in EN-DC Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2205050](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205050.zip) [S626] Clarification on drx-HARQ-RTT-TimerDL/UL Samsung discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2205051](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205051.zip) [E048] Overheating assistance information for FR2-2 in (NG)EN-DC Samsung discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2205052](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205052.zip) [E048] Overheating information for FR2-2 in (NG)EN-DC (38.331) Samsung draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core

[R2-2205053](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205053.zip) [E801] Overheating information for FR2-2 in (NG)EN-DC (36.331) Samsung draftCR Rel-17 36.331 17.0.0 F NR\_ext\_to\_71GHz-Core

[R2-2205190](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205190.zip) Correction on RIL issue E801 Ericsson draftCR Rel-17 36.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

[R2-2205191](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205191.zip) Correction on RIL issue E049 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

[R2-2205192](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205192.zip) Correction on RIL issue E134 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

[R2-2205193](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205193.zip) Correction on RIL issue E135 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

[R2-2205194](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205194.zip) Correction on RIL issue E136 Ericsson draftCR Rel-17 38.331 17.0.0 F NR\_ext\_to\_71GHz-Core Late

[R2-2205554](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205554.zip) Control plane issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion Rel-17

### 6.20.3 User plane corrections

Including essential user plane corrections to NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated.

[R2-2205195](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205195.zip) Correction of 38.300 Ericsson draftCR Rel-17 38.300 17.0.0 F NR\_ext\_to\_71GHz-Core

[R2-2205239](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205239.zip) Discussion and related TP on necessary update of Rel-16 LBT CATT discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2205555](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205555.zip) User Plane Issues for NR operation above 71 GHz ZTE Corporation, Sanechips discussion Rel-17

### 6.20.4 UE capabilities

Please follow the general guidance on UE capabilities under 2.4 - only corrections related to RAN2 parts are discussed in WI-specific agenda. Work for capabilities from RAN1/4 is done under AI 6.0.2

Including essential corrections to UE capabilities related to RAN2-defined features for NR operation up to 71GHz. Proposals that do not provide Stage-3 details will not be treated. Please use draft CRs for 38.331 and 38.306 to help with CR merging.

[R2-2204870](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204870.zip) Correction to 38.306 for Ext71GHz Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0705 - F NR\_ext\_to\_71GHz-Core

[R2-2205792](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205792.zip) Remaining UE capabilities on NR operation for upto 71GHz Intel Corporation discussion Rel-17 NR\_ext\_to\_71GHz-Core

[R2-2205793](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205793.zip) Further updates for 71GHz UE capabilities (TS38.306) Intel Corporation draftCR Rel-17 38.306 17.0.0 B NR\_ext\_to\_71GHz-Core

[R2-2205794](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205794.zip) Further updates for 71GHz UE capabilities (TS38.331) Intel Corporation draftCR Rel-17 38.331 17.0.0 B NR\_ext\_to\_71GHz-Core

## 6.21 TEI17

Time budget: 2 TU

### 6.21.1 TEI proposals initiated by other groups

Including incoming LSes.

Offline first

* [AT118-e][036][TEI17] CHO with SCG (CATT)

Scope: Treat [R2-2204494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204494.zip), [R2-2204935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204935.zip), [R2-2205282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205282.zip), [R2-2205472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205472.zip), [R2-2205473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205473.zip), [R2-2205474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205474.zip), [R2-2205475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205475.zip), [R2-2205532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205532.zip), [R2-2206004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206004.zip), [R2-2206005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206005.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

[R2-2204494](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204494.zip) Response LS on Conditional Handover with SCG configuration scenarios (R3-222840; contact: Nokia) RAN3 LS in Rel-17 TEI17 To:RAN2

[R2-2204935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204935.zip) Discussion on remaining issues on CHO including SCG configuration Intel Corporation discussion Rel-17 TEI17

[R2-2205282](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205282.zip) Discussion on CHO with target SCG MediaTek Inc. discussion Late

[R2-2205472](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205472.zip) Discussion on CHO with SCG configuration CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson discussion Rel-17 TEI17

[R2-2205473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205473.zip) Support of CHO with SCG configuration - 36331 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson draftCR Rel-17 36.331 17.0.0 F TEI17

[R2-2205474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205474.zip) Support of CHO with SCG configuration - 38331 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, CMCC, Ericsson draftCR Rel-17 38.331 17.0.0 F TEI17

[R2-2205475](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205475.zip) Support of CHO with SCG configuration - 37340 [CHOwithDCkept] CATT, Huawei, ZTE, China Unicom, China Telecommunications, Nokia, Nokia Shanghai Bell, CMCC, Ericsson draftCR Rel-17 37.340 17.0.0 F TEI17

[R2-2205532](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205532.zip) Supporting CHO with SCG configuration in 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3099 - F LTE\_NR\_DC\_enh2-Core Late

[R2-2206004](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206004.zip) CHO configuration with SCG Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3148 - F TEI17

[R2-2206005](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206005.zip) CHO configuration with SCG Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4817 - F TEI17

### 6.21.2 TEI proposals initiated by RAN2

Proposals that has not yet been agreed.

Tdoc limitation: 2 tdocs, except for Operators.

Online

EPS fallback

[R2-2204524](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204524.zip) Reply LS on EPS fallback enhancements (S2-2203590; contact: Qualcomm) SA2 LS in Rel-17 TEI17 To:RAN2, CT1 Cc:SA3

* Noted
* R2 will not further work on the proposed procedural changes for EPS fallback enhancements

EPS fallback early measurements

Performance estimates are now provided and can be considerd

[R2-2205884](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205884.zip) Latency Reduction during EPS Handover Fallback Vodafone GmbH discussion Rel-17

[R2-2206118](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206118.zip) Latency Reduction during EPS Handover Fallback Vodafone GmbH discussion Rel-17

* Noted

[R2-2205054](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205054.zip) Early measurement for EPS Fallback vivo, China Telecom, CMCC, SoftBank, China Unicom, Vodafone, Ericsson discussion Rel-17 TEI17 R2-2201398

* Noted

DISCUSSION

* The main difference is that 5054 includes SIB broadcast of frequency, while 6118 prescibes that UE just uses stored information.
* QC can accept to have a list of frequencies where VoLTE / EPS fallback is supported but nothing more, no impl in the context of early measurements.
* MTK think redirection is used and think the measured quality doesn’t need to be so good, just voice call. Think the VDF proposal bring limited gain, as the UE would start measure very late. Vdf think this is not late.
* Apple share similar concern as MTK, think that time duration for measurements may be longer than required paging response time. Think there is a risk of waste of measurement. VDF think paging is in most cases paging is for voice. VDF think that measurements are in parallel with the paging reply procedure.
* Nokia agrees that if the measurements are done when paging is received, the result might not be good, but can maybe work if UE measures in the BG. Wonder what is the TS impact of VDF proposal. VDF clarifies that it is just stage-2 text and the text says that the UE can measure when paging is received.
* LGE similar opinion as MTK and Nokia. Similar proposal was proposed to R18 Mob enhancement, UE measuring while connecting, but this was excluded pin R2, resulted only in R4 impact. LGE can accept a list of freq as QC proposed, treated as assistance info with no particular requirements
* ZTE think < 100ms is required to do the access procedure, and no time to do measurements during this time. On the vivo proposal, think that early measurements is not so useful, as Idle mode requirements are so relaxed.
* Huawei agrees that measurements will take 100’s of ms and access procedure is faster.
* QC think the UE need gaps (normally) so once the UE attempts connection there will be measurements done, so there is no time.

Chair: It seems the VDF proposal that the UE start measuring when paging is received will not work for many/most UEs, as the connection procedure is fast and most UEs anyway require gaps.

Chair: THEN what is the interest to support that UE can do measurements in the BG to have measurements available? E.g. following the EMR.

* Apple think RAN4 need to be involved for this.
* Vivo think some UEs may have measurements for cell reselection, or Idle measurements as early measurement for CA/DC. Vivo think most UE can do parallel measurements. Vivo think we can just reuse the RAN4 requirements for EM, no additional impact.
* Ericsson support the use of early measurements for this, but think measurement quality may need to be ensured.
* BT has a concern that the network cannot know which frequency that the UE measures.
* ZTE wonder if this means that EMR is configured all the time. ZTE think this is a waste of battery.

Object: Apple MTK QC would object.

Supporters: 7 companies

Chair wonder if there can be a compromise, e.g. if we just indicate in Stage-2 that UE can do measurement in Idle or Inactive in preparation for EPS fallback, up to UE impl. SIB indication of frequencies. Expect no mandatory requirements.

* MTK would be ok with such compromise.
* Vivo would be ok, VDF would be ok. Softbank would be ok.
* Xiaomi think reporting of measurements is needed. Vivo think not. Xiaomi think redirection need to be guided by measurements. VDF think that measurement reporting is needed.
* Nokia cannot agree anything now unless the proposal is more clear.

Chair: the most promising direction seems to be the reuse of EMR.

* Proponents can get one chance to convince opponents offline (vivo)
* [AT118-e][081][TEI17] Early Measurements for EPS fallback (vivo)

Scope: Discuss one more round, verify whether there is impact in other group, verify that the impact in RAN2 can be kept reasonable, collect comments on the CR

Intended outcome: Report

Deadline: For CB W2 Friday (CR by Post discussion if applicable)

[R2-2205055](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205055.zip) 38331 CR for Early measurement for EPS Fallback vivo, China Telecom, CMCC, SoftBank, China Unicom, Vodafone CR Rel-17 38.331 17.0.0 2872 2 B TEI17 R2-2201399

RACS segmentation capability ind

[R2-2205519](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205519.zip) Indication of RRC Segmentation capability for UE capability report Huawei, HiSilicon, Apple, BT, CATT, CMCC, China Unicom, Ericsson, LG Electronics, Nokia, Nokia Shanghai Bell, NTT DOCOMO INC., Qualcomm Incorporated, Vodafone, ZTE Corporation, Sanechips discussion Rel-17 TEI17

R2-2206349 Indication of RRC Segmentation capability for UE capability report Huawei, HiSilicon, BT, CATT, CMCC, China Unicom, Ericsson, LG Electronics, Nokia, Nokia Shanghai Bell, NTT DOCOMO INC., Qualcomm Incorporated, Vodafone, ZTE Corporation, Sanechips discussion Rel-17 TEI17

DISCUSSION

* Intel think this should additionally be in the UE capability, to support inter-node messages.
* Apple think this is only needed at registration time, can always get UE capabilities and UE can respond back, so this is not needed. Apple has concerns on security. Apple think inter-node message is an issue.
* Huawei think that this is just one bit, and the full cap container is fully protected. Think we have already agreed to not forward early capabilities are not forwarded to core network. Agree that this should also be a normal UE capability.
* Apple think the network can try in any case. Huawei think that by understanding this earlier there can be a onestep UE cap inquiry. Apple think that the network can send two filters and the UE would use the one that can be supported.
* QC understand similar to Huawei. Don’t understand Apple reasoning.
* Chair: there is support for P1, only Apple is objecting. Can allow some time to check, will CB.
* offline
* [AT118-e][082][TEI17] RRC Segmentation capability for UE capability report (Huawei)

Scope: allow time and discussion to check. Collect comments on the CR solution(s)

Intended outcome: Report

Deadline: CB W2 Friday (CRs by post meeting disc)

gNB ID length

R2-2206492 LS on Flexible Global RAN Node ID RAN3 LS in

* Noted

[R2-2205882](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205882.zip) Flexible gNB ID length Ericsson, Verizon, China Telecom, Bell Mobility, Samsung, Rogers, TELUS discussion TEI17

=> Revised in [R2-2206334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206334.zip)

[R2-2206334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206334.zip) Flexible gNB ID length Ericsson, Verizon, China Telecom, Bell Mobility, Samsung, Rogers, TELUS, Telecom Italia, T-Mobile USA, US Cellular discussion TEI17

* Noted

DISCUSSION

* Lenovo think in the TP this is mandatory, it should be optional right? Ericsson think it can be optional. Huawei agrees that this should be optional.
* Huawei wonder if the LS is for both LTE and NR. Huawei think the LS says gNB. VDF think this is for NR.
* QC think that for IRAT ANR this may be needed for LTE, but not for SIB. Lenovo agrees
* Include gNB ID length in PLMN-IdentityInfoList IE in SIB1.
* As an optional UE feature, the network can configure the UE to include the gNB ID length in reportCGI measurement report.

CRs Reply LS offline

* [AT118-e][083][TEI17] Flexible gNB ID length (Ericsson)

Scope: Reply LS, and CRs. Offline only (if possible)

Intended outcome: LS out (approved), CRs (agreed)

Deadline: W2 Friday, CB only if needed (Can be extended to post meeting disc if needed)

CSI report in MDT

[R2-2206144](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206144.zip) Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell, Verizon, Deutsche Telekom discussion Rel-17 TEI17

SRS in dormancy

[R2-2204622](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204622.zip) Periodic SRS in SCell dormant BWP Qualcomm Incorporated, ZTE Corporation, Futurewei discussion Rel-17

DRX with bundling

[R2-2205997](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205997.zip) Correction to DRX operation with bundling controlled in the DCI Ericsson, Nokia, T-Mobile USA, Verizon, Docomo discussion Rel-17

Leave indication CHO

[R2-2204853](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204853.zip) Leaving indication for CHO execution Qualcomm Incorporated discussion

SDAP marker

[R2-2205679](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205679.zip) SDAP end-marker in RLC UM Apple, Futurewei, Spreadtrum, FGI, Asia Pacific Telecom, T-Mobile USA discussion Rel-17 TEI17 R2-2202521

Remote Access

[R2-2205034](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205034.zip) Discussion on remote access issue CMCC discussion Rel-17 TEI17

[R2-2205056](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205056.zip) Discussion on the identification of remote access UE vivo discussion Rel-17 TEI17

Inter frequency measurement enhancement

[R2-2205832](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205832.zip) On inter-frequency measurement configuration and reporting enhancements BT Plc., Ericsson, Vodafone, T-Mobile USA, Qualcomm discussion Rel-17

[R2-2205664](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205664.zip) Priority based inter-freq measurement reporting Apple discussion Rel-17 TEI17

Multiple RLC entities for mixed numerology CA

[R2-2205849](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205849.zip) Enhancements for CA with different numerologies Qualcomm Incorporated discussion

Treated in Pos Session

[R2-2205845](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205845.zip) Remaining details for high-precision GNSS reporting ESA, Ericsson, Deutsche Telekom, T-Mobile USA, Swift Navigation, Hexagon discussion Rel-17 37.355

=> Revised in R2-2206329

R2-2206329 Remaining details for high-precision GNSS reporting ESA, Ericsson, Deutsche Telekom, T-Mobile USA, Swift Navigation, Hexagon, MediaTek Inc., u-blox discussion Rel-17 37.355

Withdrawn

[R2-2205566](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205566.zip) Inclusion of the CSI reports in MDT framework Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

### 6.21.3 Corrections

Corrections CRs (Correction to TEI or TEI + other WI code) or detailed modifications to agreed proposals

Offline

* [AT118-e][037][NR17] TEI corrections (ZTE)

Scope: Treat [R2-2205647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205647.zip), [R2-2205417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205417.zip), [R2-2205418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205418.zip), [R2-2205563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205563.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1, CB online W2 if needed

[R2-2205647](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205647.zip) Correction on A901 for SI scheduling offset Apple draftCR Rel-17 38.331 17.0.0 F TEI17

[R2-2205417](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205417.zip) Extension of the timeDomainAllocation for CG type 1 with typeB repetition ZTE Corporation,Huawei, China Telecom, Sanechips CR Rel-17 38.331 17.0.0 3082 - F TEI17

Moved from 6.21.2

[R2-2205418](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205418.zip) Addition of UE capability of extension of TDRA indication for Configured UL Grant type 1 ZTE Corporation,Huawei, China Telecom, Sanechips CR Rel-17 38.306 17.0.0 0715 - F TEI17

Moved from 6.21.2

[R2-2205563](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205563.zip) Discussion on RRC status after reception of RRCRelease Huawei, HiSilicon discussion Rel-17 TEI17

Moved from 6.21.2

## 6.22 NR and MR-DC measurement gap enhancements

(NR\_MG\_enh-Core; leading WG: RAN4; REL-17; WID: RP-211591)

Tdoc Limitation: 4 tdocs

WI is declared 100% complete.

### 6.22.1 General

#### 6.22.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

[R2-2204474](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204474.zip) LS on R17 MG enhancement - NCSG (R4-2206890; contact: Apple) RAN4 LS in Rel-17 NR\_MG\_enh-Core To:RAN2 Cc:RAN1

* For UE cap part already taken into account
* Noted, take into account

#### 6.22.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

[R2-2205220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205220.zip) Discussion on MGE RIL issues MediaTek Inc. discussion NR\_MG\_enh-Core Late

* P1 and P2 are agreed

[R2-2205223](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205223.zip) Clarification and correction for measurement gap enhancement features MediaTek Inc. CR Rel-17 38.331 17.0.0 3057 - F NR\_MG\_enh-Core Late

* baseline for further update

### 6.22.3 Corrections

#### 6.22.3.1 Preconfigured Measurement Gaps

FFSes: FFS whether and how to capture the UE behavior on PRS measurements within measurement gaps when a Pre-configured MG is provided by the network (as indicated in RAN4 LS R4-2206789); FFS whether and how the definition of measurement gap should be updated due to pre-configured MG; FFS whether the deactivated MG list configured in BWP or SCell could be configured with size zero.

* [AT118-e][060][MGE] Pre-configured MG (Intel)

Scope: Progress remaining issues and attempt to converge. Treat R2-2205292, R2-2205241, R2-2205378. For Pre-configured Gap and PRS, await Pos session progress (check W2).

Intended outcome: Report with agreements, TP if needed.

Deadline: CB W2 TUE

CLOSED

R2-2206401 Report of [AT118-e][069][MGE] Pre-configured MG (Intel) Intel

* MTK think P2 from HW paper is clearer.
* ZTE think this is defined in dedicated BWP, think this canoe be provided in initial BWP. Think R4 is discussing this. Think this can be in serving cell config.
* Apple agrees R4 are discussing this.
* MTK think we can wait for R4 for the final proposal
* Change *deactivatedMeasGapList-r17* to a bit string indicating the activated or deactivated status of all pre-configured gaps. FFS where to place it, dep on R4 progress (decided offline in CR discussion)

How to configure NW-controlled pre-configured MG

Offline

[R2-2205292](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205292.zip) [H650][M604] Discussion on *deactivatedMeasGapList* and conditional presence of gap ID Huawei, HiSilicon, Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

[R2-2205241](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205241.zip) [H650][H651][M602][M603] Correction on pre-configured MG MediaTek Inc. draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core Late

[R2-2205378](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205378.zip) Resolving FFS on pre-MG Samsung discussion

Pre-configured MG and PRS

Await Pos Session discussion?

DISCUSSION

Chair wonders if there is anything remaining to cover in the scope of MGE, after Pos discussions.

* HW think all issues has been addressed in the positioning session. No need for discussions in this session. ZTE agrees and think Pos CRs will handle the changes. Intel and MTK agrees
* Nokia think pos WI will cover the R1 gaps.
* Ericsson confirms everything will be handled in the POS CRs, but think priority handling is handled in the general session, in the gap coord discussion.
* Assume that Pre-configured MG and PRS doesn’t need further attention for MGE WI

[R2-2204543](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204543.zip) Discussion on gap activation triggered by PRS measurement ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core

[R2-2205267](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205267.zip) [M007] Discussion on activation of pre-configured gap for PRS measurement MediaTek Inc. discussion NR\_MG\_enh-Core Late

[R2-2205291](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205291.zip) Discussion on pre-config MG for positioning Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

[R2-2205726](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205726.zip) [N126][N127] On Pre-configured Measurement Gaps FFS issue for PRS measurement Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

Misc

[R2-2204822](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204822.zip) Discussion on per-configured measurement gap vivo discussion Rel-17 NR\_MG\_enh-Core

[R2-2206014](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206014.zip) Pre-configured measurement gaps Ericsson discussion Rel-17 NR\_MG\_enh-Core

#### 6.22.3.2 Concurrent Measurement Gaps

FFSes: FFS on maximum number of gap priority; FFS on maximum number of gap ID; FFS whether and how to specify the conditional presence for gap ID

[R2-2205229](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205229.zip) [E033][E034][H652][M604][M605][M606] Correction on ToAddModList and Gap ID for multiple gap configurations MediaTek Inc. draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core Late

DISCUSSION W1 points 1 and 2

* ZTE wonder whether the new list can be used to configure legacy gaps. Ericsson think that legacy patterns can be configured with the new list. MTK agrees.
* Huawei think that concurrent gaps is applicable to the new list but think that for e.g. NCSG also legacy extension makes sense and is simpler (it applies to legacy configs). Ericsson think it is cleaner to use the new list and think any restrictions can be handled in the field descriptin. MTK think that if we use the new list we use it for all cases.
* Samsung think there are benefits e.g. wrt signalling overhead if using the legacy gaps. Think there are no issues with ambiguity for reusing legacy gaps. MTK think we didn’t discuss the implicit association without ID, and this isn’t preferred
* Intel prefer the current structure, but is ok with the new proposal, but not sure about legacy gaps what it means. If we go with this, legacy gaps remain in the old configuration.
* Nokia think that legacy gaps can e.g. be for all freqs etc, Think that legacy gaps shall be possible with concurrent gaps, and can use the legacy gap configuration for legacy gaps.
* ZTE think the difference between concurrent and legacy gaps is just whether there is one or more. Think it is easier to just assume the new list, then can add and legacy gaps becomes concurrent gaps.
* Vivo think legacy configuration can be used together with the new Rel17 configuration.
* CATT support that concurrent gaps doesn’t reuse the legacy configuration.
* Apple point out that concurrent gaps is used as baseline for other
* QC has the same understanding as Ericsson. Same configuration as legacy can be provided with the new structure.
* Huawei think R2 need to figure out whether legacy gaps and concurrent gaps can be configured together with concurrent gaps. R4 has replied that for concurrent gaps association need to be ensured. Think the main point is the association with frequency .. Ericsson agrees the association is mandatory.
* MTK think the new configuration applies the association and it is required, and indeed think that the new list can configure legacy gaps, without association.
* Apple point out that preconfig MG and NCSG uses concurrent gaps as framework

Chair: Assume that if we go with new list a E033, then the new list/new configuration will be used for all cases that go beyond R15 R16 supported cases.

* We go with E033 E034, assuming that new list/new configuration will be used for all cases that go beyond R15 R16, continue offline (if issues are found can still CB and revert)

[R2-2206013](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206013.zip) [E033][E034] On the MGE structure Ericsson discussion Rel-17 NG\_RAN\_PRN\_enh-Core

* Covered, noted
* [AT118-e][059][MGE] Concurrent MG (MediaTek)

Scope: Based on the on-line agreements progress the related details, Progress remaining issues, and attempt to converge

Intended outcome: Report, TP if needed.

Deadline: for online CB W2 TUE

[R2-2206453](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206453.zip) Report of [AT118-e][059][MGE] Concurrent MG (MediaTek) MediaTek Inc.

DISCUSSION W2 TUE

P2 B1 B2 B3

* Nokia proposes to use legacy gaps field to configure R15 R16 gaps, think there should be no restriction. Apple Intel Samsung agrees. MTK think that this then requires more discussion
* Ericsson think there are several advantages, that legacy patterns can be configured with the new ones. See no issue with legacy gaps being configured with the new list.
* LGE support B2 but think for B3 that concurrent gap can be configured with legacy gaps.
* Huawei agrees with B2 and B3 and think legacy gaps shall be configured with legacy fields. Think there is no conclusion whether coexistence is needed. Think we can assume they will not coexist.
* QC also don’t see the need to mix R16 and R17 and think that the new configuration can support all.
* Apple agrees with Huawei on B3, that it is not clear whether concurrent gaps and leg gaps need to coextis. Gaps for PRS can be configured separate. ZTE think
* ZTE support B123, don’t really see any technical concerns with this. For B3 think R4 will not defined implicit association, think one concurrent gap can be for PRS, no need to rediscuss.
* MTK think R4 has specified that association shall be clear, but leg gaps doesn’t have that.
* Intel think we should allow legacy configuration with the new one without restriction, leave to implementation of network.
* Chair wonder what if we don’t agree with B3. MTK think we then need to specify the UE behaviour, on association for the legacy gaps, on how the gaps are used. Intel think it could be left to UE impl. ZTE think that there are several interpretations, think e.g. up to 3 sim gaps need to be supported.
* MTK point out that R4 replied that as long as association need to be clear R2 can design in any way.
* Nokia think B3 will not be a problem we can have legacy gaps + additional PRS gaps.
* Huawei think the association of legacy gaps could be implicit. Agree that if B3 is not agreed there is more work needed, e.g. legacy gaps cover all freq not explicity covered by other gaps.
* Samsung also think implicit association can work.
* QC think it is important that legacy gaps behaviour shall not be changed.
* MTK think that when legacy gaps are configured with R17 concurrent gaps it is not strictlyt legacy gaps any more, as there is an association, implicit or explicit.
* Chair asks to agree B23 and B1 setup leg patterns
* Intel think B2 and B3 are agreeable.
* QC think that legacy gaps when used shall be used for all freq and PRS not assigned for R17 gaps. / Samsung agrees.
* Chair proposes to agree that When Legacy field and new Field (w concurrent gap) are configured together, the legacy field applies for all freq and PRS not assigned for R17 gaps.
* QC strongly want “at least” in the coexist of legacy and new. Ericsson think this makes R4 requirements unclear.

P5

* Nokia think it can be agreeable but wonder the motivation. Ericsson think we now have the better tool for this in the R17 framework, no reason to limit, can have delta configuration.
* RAN2 to take CR R2-2205229 as baseline to implement E033/E034 with the following clarifications

When Legacy field and new Field (w concurrent gap) are configured together, the legacy field applies for “at least” all freq and PRS not assigned for R17 gaps.

Define gap ID as mandatory field in the new R17 IE GapConfig-r17

* Define the maximum number of gap ID to 8.
* RAN2 intends to support modify/reconfigure on a R17 gap (instead of directly releasing it) when the *measGapId* in *GapConfig(-r17)* matches one that has already been setup. FFS how to modify this in SPEC.

[R2-2206015](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206015.zip) On [E030] and further concurrent MG aspects Ericsson discussion Rel-17 NR\_MG\_enh-Core

[R2-2205377](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205377.zip) Resolving FFS on Conditional Presence of GapId Samsung discussion

[R2-2205376](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205376.zip) [S651] Including one gap without measGapId in concurrent gaps Samsung discussion

[R2-2204976](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204976.zip) [C101][C100] Consideration on Concurrent Measurement Gaps CATT discussion NR\_MG\_enh-Core

[R2-2204823](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204823.zip) Discussion on concurrent measurement gaps vivo discussion Rel-17 NR\_MG\_enh-Core

[R2-2205227](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205227.zip) Discussion on Concurrent MG Xiaomi Communications discussion Rel-17

[R2-2206113](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206113.zip) [H653] Corrections on associatedMeasGapSSB and associatedMeasGapCSIRS Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3173 F NR\_MG\_enh-Core

#### 6.22.3.3 Network Configured Small Gaps

* [AT118-e][061][MGE] Network Configured Small Gaps (Apple)

Scope: Progress remaining issues and attempt to converge. Treat R2-2204545, R2-2205727, R2-2205692, R2-2206070, R2-2206071.

Intended outcome: Report with agreements, TP if needed.

Deadline: CB W2 TUE

R2-2206531 Summary of [AT118-e][061][MGE] Network Configured Small Gaps Apple

DISCUSSION W2 TUE

* P1, P2, P3 are agreed
* The change in R2-2205727 can be agreed. Companies’ comments on wording should be taken into account.
* Agree the two changes in R2-2206070:

1) Add clarification that mgta=0.25ms cannot be configured to NCSG in field descriptions of mgta IE.

2) Capture in field descriptions of mgta-r17 and mgl-r17 that they are only used for NCSG.

* Capture that NCSG is for SSB measurement in field description of UE capability ncsg-MeasGap-r17.

deriveSSB-IndexFromCellInter

offline

[R2-2204545](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204545.zip) [Z142] Correction on deriveSSB-IndexFromCellInter field ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core

[R2-2205727](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205727.zip) [Z142]On relationship between deriveSSB-IndexFromCellInter and deriveSSB-IndexFromCell Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

Misc

Offline

[R2-2205692](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205692.zip) Discussion on the supported combinations of NCSG and legacy gaps Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

[R2-2206070](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206070.zip) [H804][H805][H806] Corrections on mgta and mgl Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3156 - F NR\_MG\_enh-Core

[R2-2206071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206071.zip) [H807] Clarification on ncsgInd Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3157 - F NR\_MG\_enh-Core

### 6.22.4 UE capabilities

Features / UE caps developed in RAN2. Input should not overlap with input to previous subclauses. Note that this AI is complementary to AI 6.0.2. FFSes: FFS whether pre-configured gap should be FR differentiated; FFS whether to have separate bit to indicate support of CA and non-CA case for pre-configured gap; FFS whether to have separate capability bit for UE supporting only two per UE concurrent gap.

* [AT118-e][062][MGE] UE capabilities (Intel)

Scope: Take online progress into account 1. Progress further details. 2. Draft CRs for merge (or we just use the decisions as input for UE cao Main R17 discussion TBD

Intended outcome: 1 Report, 2 Draft CRs Endorsed for Merge

Deadline: Intermediate: 1 W2 Wed, 2 EOM (no post discussion)

CLOSED

Online first

[R2-2206402](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206402.zip) Summary document for UE capability Intel Corporation

DISCUSSION W1 THU

P1

* QC think that IOT is a reason to have differentiation. QC think no diff may delay marketing but can accept as no one seems to want Diff.

P2

* Vivo are ok to go with majority view.

P3

* QC think that Con gap is with a single cap right now, but think that there are reasons that UE may want to support this partially.
* Nokia wonder why not use the existing cap for single per UE gap. QC wonder then what if the UE support indep gap, without supporting the rest of the combination.
* Samsung think indep gap config + existing cap can be used to support QC case.
* HW think QC proposal is clean and is the way to support this (no mixing of the different release)
* Chair wonder if the QC proposal brings any complexity. Nokia think it brings a bit more discussion.
* Pre-configured gap is not FR differentiated
* No additional UE capability to distinguish CA and non-CA case for pre-configured gap.
* an additional UE capability bit to indicate two per UE concurrent gap

[R2-2205293](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205293.zip) Discussion on UE capability for dynamically reporting the NCSG requirement Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2206357 Discussion on UE capability for dynamically reporting the NCSG requirement Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

DISCUSSION W1 Thu

- Ericsson think this can be done for users that are capable of the R17 feature. Think the requirements will be discussed in R18.

- Apple prefer a clean solution.

- MTK doesn’t want to change the meaning of existing capability, but have some sympathy for the proposal. Think there are separate capability for the report and for the NCSG gap patterns already, so maybe it can be done already. But R4 is discussing to change.

- ZTE want to wait for R4, but have some sympathy for Huawei proposal. Concerns that it may impact requirements.

- HW wonder if we can capture that R2 will not prevent that NeedforGap with R16 gaps can use the R17 signalling mechanism. MTK think this could be ok but no any of the NCSG patterns (UE will only report gap or no gap).

* R2 think R17 UEs not capable of NCSG can use the R17 NeedForNCSG signalling mechanism to report “gap” or “nogap-noncsg”. FFS whether specific capability is needed for this.

*Chair: Continue Offline*

R2-2206424 UE capability bit to support 2 per-UE gap only for UE concurrent gap Intel draft CR for 38.306:

R2-2206425 UE capability bit to support 2 per-UE gap only for UE concurrent gap Intel draft CR for 38.331:

* [062] Both Endorsed (for merge with mega CR).

[R2-2205728](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205728.zip) On MGE UE capabilities left issues Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MG\_enh-Core

[R2-2205379](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205379.zip) Resolving FFS on UE capabilities for MGE Samsung discussion

[R2-2204825](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204825.zip) Discussion on capability for MG enhancement vivo discussion Rel-17 NR\_MG\_enh-Core

[R2-2206016](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206016.zip) UE capabilities for MGE Ericsson discussion Rel-17 NR\_MG\_enh-Core

[R2-2205935](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205935.zip) Open issues for MGE Intel Corporation discussion Rel-17 NR\_MG\_enh-Core

[R2-2206009](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206009.zip) Preconfigured gap capability Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0738 - F NR\_MG\_enh-Core Late

[R2-2206010](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206010.zip) Preconfigured gap capability Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3150 - F NR\_MG\_enh-Core Late

[R2-2206007](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206007.zip) Per-UE Concurrent Gaps Capability Qualcomm Incorporated CR Rel-17 38.306 17.0.0 0737 - F NR\_MG\_enh-Core Late

[R2-2206008](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206008.zip) Per-UE Concurrent Gaps Capability Qualcomm Incorporated CR Rel-17 38.331 17.0.0 3149 - F NR\_MG\_enh-Core Late

[R2-2204824](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204824.zip) Discussion on NCSG vivo discussion Rel-17 NR\_MG\_enh-Core

## 6.23 Uplink Data Compression (UDC)

(NR\_UDC-Core; leading WG: RAN2; REL-17; WID: RP-211203)

Tdoc Limitation: 1 tdocs

WI is declared 100% complete.

Treat offline, CB online if needed.

* [AT118-e][038][UDC] UDC Corrections (CATT)

Scope: Treat [R2-2204492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204492.zip), [R2-2205071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205071.zip), [R2-2205719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205719.zip), [R2-2206096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206096.zip), [R2-2206148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206148.zip), [R2-2206149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206149.zip). Ph1 Determine agreeable part, Ph2 for agreeable parts agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1 (if needed CB online W2)

R2-2206426 Report of [AT118-e][038][UDC] UDC Corrections (CATT) CATT

DISCUSSION W2 Wed

* Lenovo wonder why we should lower the UE requirement on this, think it is related to the gain. Whether this feature makes sense at all.
* Ericsson think we are going backwards for LTE UE can support 8k, why do we need to restrict to 2 UDC DRB.
* Samsujng Intel LGE Softbank agrees with Lenovo and Ericsson
* Huawei think there was a paper on performance difference for 2k and 8k, think the old paper show no difference. HW think there will also be low cost UEs, e.g. RedCap.
* Apple support this. QC support this as well.
* China Unicom think having these capabilities may help deploying UDC.
* Softbank think for LTE this was decided in the SI phase and it was carefully done. Would like to agree only if there is performance evaluation.
* LGE think UDC can be configured up to 2 DRBs no issue with cost. Think we should follow LTE.
* OPPO support P1 P2, think from hardware perspective makes sense.
* Samsung think the buffer size doesn’t matter wrt cost.
* CMCC support P1&2.
* Lenovo think we should not consider redcap UEs.
* A UE that supports the uplink data compression operation shall support 2048 bytes for compression buffer per UDC DRB and support up to 2 UDC DRBs.
* UE capability on compression buffer size, e.g. ENUMERATED {4096bytes, 8192bytes}.

### 6.23.1 Organizational

Rapporteur input, LS etc.

[R2-2204492](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204492.zip) Reply LS on NR UDC for CU-CP/UP splitting scenario (R3-222724; contact: CATT) RAN3 LS in Rel-17 NR\_UDC-Core To:RAN2 Cc:RAN

* [038] noted

### 6.23.2 Corrections

[R2-2205071](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205071.zip) Discussion on UE capability of buffer size and UE autonomous buffer reset Huawei, HiSilicon discussion Rel-17 NR\_UDC-Core

* [038] Regarding UE autonomous buffer reset, no TS change is needed and RAN2 confirms the following understanding: current specification does not prevent UE from initiating buffer reset procedure (without UDC checksum error notification PDCP control PDU from the gNB)

[R2-2205719](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205719.zip) Clarification on UDC packet Samsung draftCR Rel-17 38.323 17.0.0 F NR\_UDC-Core

* [038] Postponed

[R2-2206096](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206096.zip) Correction for NR UDC in 38.331 (CR Rapporteur) CATT CR Rel-17 38.331 17.0.0 3170 F NR\_UDC-Core

* [038] The changes proposed in R2-2206096 are agreeable, revised.

[R2-2206148](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206148.zip) Corrections to UDC Lenovo CR Rel-17 38.323 17.0.0 0094 F NR\_UDC-Core

* [038] The changes 2, 3 and 4 proposed in R2-2206148 are agreeable.

[R2-2206149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206149.zip) Corrections to UDC Lenovo CR Rel-17 38.306 17.0.0 0742 F NR\_UDC-Core

* [038] The change proposed in R2-2206149 is agreeable.

## 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 no action

[R2-2204432](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204432.zip) Reply LS on interruption for PUCCH SCell activation in invalid TA case (R1-2202599; contact: MediaTek) RAN1 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN4 Cc:RAN2

Chair: proposed noted [000]

HST FR1

Online

[R2-2204473](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204473.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

[R2-2204488](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204488.zip) LS on release independent for FR1 HST demodulation (R4-2207195; contact: CMCC) RAN4 LS in Rel-17 NR\_HST\_FR1\_enh To:RAN2

n77 for Canada

offline, CB online W2 if needed

* [AT118-e][039][NR17] n77 Canada (Nokia)

Scope: Treat [R2-2204459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204459.zip), [R2-2205393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205393.zip), [R2-2205394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205394.zip), [R2-2205395](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205395.zip), [R2-2205396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205396.zip), [R2-2205450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205450.zip), Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2204459](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204459.zip) LS On Canada band n77 (R4-2206568; contact: Telus) RAN4 LS in Rel-17 To:RAN2 Cc:RAN

[R2-2205450](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205450.zip) Discussion on n77 issues Xiaomi Communications discussion Rel-17 TEI17

* [039] Both Noted

DISCUSSION

[039] Rap comment: Clear majority of the companies do not see inter-operability issues for UEs supporting band n77.

* [039] US-like approach (as per [R2-2205393](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_118-e/Docs/R2-2205393.zip__;!!BhdT!lVKdoTLHuzhKC2qwXSu5A352nSQgfyhkfXEDsEKJWro9B7CF6x6-ZlQw1HunlDlystPpqZwGp7rFHsKi8oQ$), [R2-2205394](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_118-e/Docs/R2-2205394.zip__;!!BhdT!lVKdoTLHuzhKC2qwXSu5A352nSQgfyhkfXEDsEKJWro9B7CF6x6-ZlQw1HunlDlystPpqZwGp7rFECG2VMw$), [R2-2205395](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_118-e/Docs/R2-2205395.zip__;!!BhdT!lVKdoTLHuzhKC2qwXSu5A352nSQgfyhkfXEDsEKJWro9B7CF6x6-ZlQw1HunlDlystPpqZwGp7rFqoEHqMM$), [R2-2205396](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_118-e/Docs/R2-2205396.zip__;!!BhdT!lVKdoTLHuzhKC2qwXSu5A352nSQgfyhkfXEDsEKJWro9B7CF6x6-ZlQw1HunlDlystPpqZwGp7rFvDY8oHE$)) is selected

[R2-2205393](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205393.zip) Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 36.306 17.0.0 1847 - C TEI17

[R2-2205394](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205394.zip) Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 36.331 17.0.0 4799 - C TEI17

[R2-2205395](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205395.zip) Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 38.306 17.0.0 0714 - C TEI17

[R2-2205396](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205396.zip) Distinguishing support of band n77 restrictions in Canada Nokia, Nokia Shanghai Bell, Ericsson, Huawei, Telus, Bell Canada CR Rel-17 38.331 17.0.0 3078 - C TEI17

* [039] 4 CRs are revised

PUCCH group

offline, CB online W2 if needed

* [AT118-e][040][NR17] PUCCH Group (Huawei)

Scope: Treat [R2-2204443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204443.zip), [R2-2205980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205980.zip), [R2-2205981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205981.zip), [R2-2205982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205982.zip), [R2-2205983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205983.zip), [R2-2204601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204601.zip), [R2-2204600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204600.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2204443](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204443.zip) Reply LS on beam information of PUCCH SCell in PUCCH SCell activation procedure (R1-2202778; contact: Huawei) RAN1 LS in Rel-17 NR\_RRM\_enh2-Core To:RAN2, RAN4

[R2-2204601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204601.zip) Discusson on concept of PUCCH group OPPO discussion Rel-16 NR\_RRM\_enh2-Core R2-2202450

* [040] Both Noted

[R2-2205980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205980.zip) Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3143 - B NR\_RRM\_enh2-Core

[R2-2205981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205981.zip) Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3144 - A NR\_RRM\_enh2-Core

DISCUSSION

* [040] Rap: Agreeable Comments: To add hyphens in the field name following ASN.1 naming convention; To change the maximum number of supported carrier type pair (maxCarrierTypePairList-r16) to 16; To discuss the detailed signaling of additional computation time in case of “relaxed” is reported to component 3.
* [040] Rap: RAN1 has agreed the value range of required additional computation time, additional LS is expected, take into account in the CR. R1 also made specific agreements for Rel-17, Change Cat of rel-17 CR to C
* [040] Both Revised

[R2-2205982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205982.zip) Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-16 38.306 16.8.0 0730 - B NR\_RRM\_enh2-Core

[R2-2205983](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205983.zip) Adding UE capability of CSI reporting cross PUCCH SCell group Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0731 - A NR\_RRM\_enh2-Core

DISCUSSION

* [040] Rap: Agreeable Comments: To align with TS 38.331; To discuss/include the definition of additional computation time in case of relaxed is reported to component 3.
* [040] Both Revised

[R2-2204600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204600.zip) CR to Clarification of PUCCH group definition OPPO CR Rel-16 38.300 16.8.0 0442 - F NR\_RRM\_enh2-Core

* [040] Postponed

FR2 UL gap

offline, CB online W2 if needed

* [AT118-e][041][NR17] FR2 UL gap (Apple)

Scope: Treat [R2-2205666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205666.zip), [R2-2204507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204507.zip), [R2-2205659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205659.zip), [R2-2205667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205667.zip), [R2-2205392](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205392.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

CLOSED

[R2-2206461](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206461.zip) Summary of [AT118-e][041][NR17 FR2 UL Gap] (Apple) Apple discussion Rel-17 NR\_RF\_FR2\_req\_enh2

* [041] Noted, agreements reflected below
* [041] discuss the release of UAI preference in a general AI [N129] ..

[R2-2205666](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205666.zip) Summary of [Pre118-e][004][NR17 FR2 UL Gap] 38331 CR and rapporteur resolutions (Apple) Apple discussion Rel-17 NR\_RF\_FR2\_req\_enh2 Late

[R2-2204507](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204507.zip) LS to RAN2 on UL gap in FR2 RF enhancement (R4-2206608; contact: Apple) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2 Cc:RAN1

* [041] Both Noted

[R2-2205659](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205659.zip) Correction on FR2 UL gap Apple CR Rel-17 38.321 17.0.0 1279 - F NR\_RF\_FR2\_req\_enh2

[R2-220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205659.zip)6462 Correction on FR2 UL gap Apple CR Rel-17 38.321 17.0.0 1279 1 F NR\_RF\_FR2\_req\_enh2

* [041] Agreed

[R2-2205667](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205667.zip) Addressing FR2 UL gap RILs [Z151, Z152, A803, A804, A807, A808] Apple CR Rel-17 38.331 17.0.0 3110 - F NR\_RF\_FR2\_req\_enh2 Late

R2-2206463 Addressing FR2 UL gap RILs [Z151, Z152, A803, A804, A807, A808] Apple CR Rel-17 38.331 17.0.0 3110 - F NR\_RF\_FR2\_req\_enh2 Late

* [041] The following is addressed. RIL: Z151, Z152, A803, A804, A807, A808, Class 0 issues: 155, 156, 193, 425
* [041] Agreed

FR2 CA BW CBM/IBM

offline, CB online W2 if needed

* [AT118-e][042][NR17] FR2 CA BW Classes and CBM/IBM (Nokia)

Scope: Treat [R2-2204854](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204854.zip), [R2-2205562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205562.zip), [R2-2204850](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204850.zip), [R2-2204851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204851.zip), [R2-2204889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204889.zip), [R2-2204890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204890.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

CLOSED

[R2-2204854](file:///C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2204854.zip" \o "C:Usersmtk65284Documents3GPPtsg_ranWG2_RL2TSGR2_118-eDocsR2-2204854.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 R2-2202377 To:RAN4

[R2-2205562](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205562.zip) Discussion on FR2 new bandwidth class Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

* [042] Both noted

DISCUSSION

* [042] RAP: There are no fresh comments to the previous meetings baseline CRs in [R2-2203974](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_117-e\Docs\R2-2203974.zip)/[R2-2203975](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_117-e\Docs\R2-2203974.zip). On the aspect of discussion on the different alternatives (being proposed in RAN4) which influence the signalling choices in RAN2, companies are fine to wait until RAN4 concludes their discussions.
* [042] wait for RAN4 conclusion on this topic before concluding RAN2 work on signalling.

[R2-2204850](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204850.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 17.0.0 0678 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2203975

[R2-2204851](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204851.zip) Introduction of FR2 FBG2 CA BW classes Nokia, Nokia Shanghai BellNokia, Nokia Shanghai Bell, Huawei, HiSilicon, Ericsson, ZTE Corporation, Sanechips, Qualcomm, Xiaomi Communications CR Rel-17 38.331 17.0.0 2867 3 B NR\_RF\_FR2\_req\_enh2-Core R2-2203974

* [042] Both postponed

[R2-2204889](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204889.zip) CR on the CBM/IBM reporting-38331 ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 2916 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2204005

[R2-2204890](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204890.zip) CR on the CBM/IBM reporting-38306 ZTE Corporation, Sanechips, Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0690 2 B NR\_RF\_FR2\_req\_enh2-Core R2-2204006

* [042] Rap: The CRs were already discussed and endorsed as baseline. In this meeting, no additional comments received for the CRs in R2-2204889 and R2-2204890.
* [042] Both agreed

CRS-IM

offline, CB online W2 if needed

* [AT118-e][043][NR17] CRS interference mitigation (China Telecom)

Scope: Treat [R2-2204489](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204489.zip), [R2-2204980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204980.zip), [R2-2204981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204981.zip), [R2-2204982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204982.zip), [R2-2205388](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205388.zip), [R2-2205389](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205389.zip), [R2-2205390](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205390.zip), [R2-2205391](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205391.zip),

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2206439](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2206439.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206439.zip) LS on UE capability and network assistant signalling for CRS interference mitigation in the scenario with overlapping spectrum for LTE and NR with 30kHz SCS (R4-2210435; contact: CMCC)

NEW LS in. Take into account immediately in offline discussion(s)

[R2-2204489](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204489.zip) LS on UE capability and network assistant signalling for CRS interference mitigation in scenarios with overlapping spectrum for LTE and NR (R4-2207238; contact: China Telecom) RAN4 LS in Rel-17 NR\_demod\_enh2-Perf To:RAN2

* [043] Both Noted

[R2-2205388](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205388.zip) Introduction of network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_demod\_enh2-Core

* [043] Noted

[043] Agreements at intermediate phase:

* P1: Introduce separate capability bits for R17 CRS-IM related capabilities, including Capability#1, #2 and #3 defined in RAN4 LS, and can be extended for Capablility#4 and #5, if they are agreed to be introduced by RAN4.
* P2: Take R2-2204980/R2-2204981 as baseline CRs for Ph2 UE capability CR drafting discussion.
* P3: Introduce a new Rel-17 IE in ServingCellConfig as an optional field to provide Rel-17 CRS-IM related configuration to assist the UE to perform CRS-IM.
* P4: Provide a list of LTE neighbour cells configuration for CRS-IM to the UE. Take R2-2204982 as baseline CR for Ph2 NWA signalling CR drafting discussion.

[R2-2204980](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204980.zip) CR to TS 38.306 on UE capability for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.306 17.0.0 0706 - B NR\_demod\_enh2-Core

[R2-2204981](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204981.zip) CR to TS 38.331 on UE capability for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3020 - B NR\_demod\_enh2-Core

* [043] Both Revised

[R2-2204982](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204982.zip) CR to TS 38.331 on Network assistant signalling for Rel-17 CRS interference mitigation China Telecom, Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3021 - B NR\_demod\_enh2-Core

* [043] Revised

Not Treated

[R2-2205389](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205389.zip) Introduction of network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3077 - B NR\_demod\_enh2-Core

[R2-2205390](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205390.zip) UE capabilities for network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell draftCR Rel-17 38.306 17.0.0 B NR\_demod\_enh2-Core

[R2-2205391](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205391.zip) UE capabilities for network assistance signalling for CRS-IM Nokia, Nokia Shanghai Bell draftCR Rel-17 38.331 17.0.0 B NR\_demod\_enh2-Core

Dual PA

offline, CB online W2 if needed

* [AT118-e][044][NR17] Dual PA (OPPO)

Scope: Treat [R2-2204501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204501.zip), [R2-2204629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204629.zip), [R2-2204630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204630.zip), [R2-2204631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204631.zip), [R2-2205380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205380.zip), [R2-2205381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205381.zip), [R2-2205382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205382.zip), [R2-2205383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205383.zip), [R2-2205384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205384.zip), [R2-2205516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205516.zip), [R2-2205514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205514.zip), [R2-2205515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205515.zip)

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

CLOSED

[R2-2206427](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206427.zip) Summary of [AT118-e][044][NR17] Dual PA (OPPO) OPPO

* [044] Noted, agreements reflected below

R2-2206428 LS reply on clarification of *dualPA-Architecture* capability RAN2 LS out

* [044] LS out is approved

[R2-2204501](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204501.zip) LS on clarification of dualPA-Architecture capability (R4-2206503; contact: OPPO) RAN4 LS in Rel-17 NR\_RF\_FR1\_enh To:RAN2

[R2-2204629](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204629.zip) Discussion on R4 LS on dual-PA architecture clarification OPPO discussion Rel-17 NR\_RF\_FR1\_enh

[R2-2205380](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205380.zip) Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR1\_enh-Core

[R2-2205516](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205516.zip) Discussion on dualPA-Architecture capability Huawei, HiSilicon discussion Rel-16 NR\_RF\_FR1-Core

* [044] 4 tdocs noted

[R2-2204630](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204630.zip) Extension of dual-PA architecture capability OPPO CR Rel-17 38.306 17.0.0 0700 - A NR\_RF\_FR1\_enh

[R2-2204631](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204631.zip) Extension of dual-PA architecture capability OPPO CR Rel-16 38.306 16.8.0 0701 - F NR\_RF\_FR1\_enh

[R2-2205381](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205381.zip) Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-16 38.306 16.8.0 0712 - F NR\_RF\_FR1\_enh-Core

[R2-2205382](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205382.zip) Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0713 - A NR\_RF\_FR1\_enh-Core

[R2-2205383](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205383.zip) Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.8.0 3074 - F NR\_RF\_FR1\_enh-Core

[R2-2205384](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205384.zip) Clarification to dualPA-Architecture Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3075 - A NR\_RF\_FR1\_enh-Core

[R2-2205514](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205514.zip) Clarification on DC location reporting for dual PA UE Huawei, HiSilicon CR Rel-16 38.331 16.8.0 3095 - F NR\_RF\_FR1-Core

[R2-2205515](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205515.zip) Clarification on DC location reporting for dual PA UE Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3096 - A NR\_RF\_FR1-Core

* [044] 8 CRs postponed

DC location report

offline, CB online W2 if needed

* [AT118-e][045][NR17] DC Location Report (Qualcomm)

Scope: Treat [R2-2204506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204506.zip), [R2-2205266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205266.zip), [R2-2205386](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205386.zip), [R2-2205387](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205387.zip), [R2-2205735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205735.zip), [R2-2205517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205517.zip), [R2-2205518](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205518.zip),

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

[R2-2204506](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204506.zip) Reply LS on DC location for >2CC (R4-2206602; contact: Qualcomm) RAN4 LS in Rel-17 NR\_RF\_FR2\_req\_enh2-Core To:RAN2

[R2-2205266](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205266.zip) Further discussion on DC location reporting for more than 2 CCs Qualcomm Incorporated discussion NR\_RF\_FR2\_req\_enh2-Core

[R2-2205386](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205386.zip) DC location reporting for Rel-17 Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2205387](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205387.zip) Introduction of Rel-17 DC location reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.0.0 3076 - B NR\_RF\_FR2\_req\_enh2-Core

[R2-2205735](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205735.zip) Introduction of Rel-17 DC location reporting Nokia, Nokia Shanghai Bell CR Rel-17 38.306 17.0.0 0725 - B NR\_RF\_FR2\_req\_enh2-Core

[R2-2205517](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205517.zip) Discussion on the DC location report for more than 2CCs Huawei, HiSilicon discussion Rel-17 NR\_RF\_FR2\_req\_enh2-Core

[R2-2205518](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205518.zip) Introduction of DC location reporting for more than 2CCs Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3097 - B NR\_RF\_FR2\_req\_enh2-Core

* [AT118-e][046][NR17] n77 and DSS (Ericsson)

Scope: Treat [R2-2205871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205871.zip) - [R2-2205875](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205875.zip), [R2-2205511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205511.zip).

Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

n77

Corrections

[R2-2205870](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205870.zip) Terminology for n77 extension Ericsson CR Rel-16 36.306 16.8.0 1848 - F TEI17

[R2-2205871](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205871.zip) Terminology for n77 extension Ericsson CR Rel-17 36.306 17.0.0 1849 - A TEI17

[R2-2205872](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205872.zip) Terminology for n77 extension Ericsson CR Rel-16 36.331 16.8.0 4811 - F TEI17

[R2-2205873](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205873.zip) Terminology for n77 extension Ericsson CR Rel-17 36.331 17.0.0 4812 - A TEI17

[R2-2205874](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205874.zip) Terminology for n77 extension Ericsson CR Rel-16 38.306 16.8.0 0726 - F TEI17

[R2-2205875](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205875.zip) Terminology for n77 extension Ericsson CR Rel-17 38.306 17.0.0 0727 - A TEI17

* [044] all postponed

[044] COMMENTS Chair:

- Change wording “restriction to” to “operation in” Reasoning: Support is low, and: Even though “restriction to” reads a bit strangely in English it is the wording chosen by RAN4 and the proposed change actually changes the meaning significantly. It seems there is no actual room for mistakes with current text.

- Change reference from NOTE 12 of table 5.2-1 to reference of table 5.2-1 Reasoning: Support is medium, and: A UE that indicates support for extendedBand-n77-r16 shall also indicate support for n77, which should make the whole table applicable, while the extendedBand-n77-r16 in fact actually just indicates the support of NOTE 12, so I cannot see anything wrong with the current TS.

- Clarification that a UE which supports the NS-value shall also report the UE capability bit extendedBand-n77-r16. Reasoning: There is ambivalence and no clear support however, I have some sympathy that it is important that this is clear, however A. It is not clear that the proposed change has the wanted effect, maybe a restriction for NS55 need to be specified where NS55 is specified rather than here. B. almost no company seems to have checked whether there is actually any room for mistake.

* [044] Change wording “restriction to” to “operation in” is NOT AGREED.
* [044] Change reference from NOTE 12 of table 5.2-1 to reference of table 5.2-1 is NOT AGREED
* [044] The Clarification that a UE which supports the NS-value shall also report the UE capability bit extendedBand-n77-r16 is POSTPONED

### 6.24.2 RAN1 led Items

[R2-2205511](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205511.zip) Editorial correction for NR dynamic spectrum sharing Ericsson CR Rel-17 38.331 17.0.0 3094 - F NR\_DSS\_enh

* [044] agreed

### 6.24.3 Other

MINT

offline, CB online W2 if needed

* [AT118-e][047][NR17] MINT (Ericsson)

Scope: Treat [R2-2204510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204510.zip), [R2-2204527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204527.zip), [R2-2204529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204529.zip), [R2-2205869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205869.zip), [R2-2205520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205520.zip), [R2-2205618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205618.zip), [R2-2205867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205867.zip), [R2-2205868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205868.zip), [R2-2205992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205992.zip), [R2-2205993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205993.zip), [R2-2206049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206049.zip), [R2-2206050](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206050.zip). Ph1 Determine agreeable parts, Ph2 agree CRs

Intended outcome: Report, Agreed CRs

Deadline: Schedule 1

R2-2206477 Report from [AT118-e][047][NR17] MINT (Ericsson) Ericsson

* [047] Noted, agreements reflected below
* [047] send LS out to CT1, on the onebitapproach

[R2-2204510](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204510.zip) LS on system information extensions for minimization of service interruption (MINT) (C1-223219; contact: Ericsson) CT1 LS in Rel-17 MINT To:RAN2 Cc:SA2

[R2-2204527](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204527.zip) Reply LS on Reply LS on MINT functionality for Disaster Roaming (S3-220518; contact: LGE) SA3 LS in Rel-17 MINT To:SA2 Cc:SA5, CT1, CT4, CT6, RAN2, SA, CT, RAN

[R2-2204529](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204529.zip) LS on MINT functionality for Disaster Roaming (S5-222575; contact: Ericsson) SA5 LS in Rel-17 MINT To:SA2 Cc:SA, SA3, CT, CT1, CT4, CT6, RAN, RAN2

[R2-2205869](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205869.zip) Remaining issues for MINT Ericsson discussion Rel-17

[R2-2205520](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205520.zip) Discussion on supporting case A from CT1 on MINT Huawei, HiSilicon discussion Rel-17 MINT

[R2-2205618](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205618.zip) TP to resolve TBD on oneBitApproach for MINT LG Electronics France discussion

* [047] 6 tdocs noted

[R2-2206049](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206049.zip) Corrections to MINT specification [MINT] Lenovo draftCR Rel-17 38.331 17.0.0 F TEI17

* [047] Merged (agreeable)

[R2-2206050](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206050.zip) Corrections to MINT specification [MINT] Lenovo draftCR Rel-17 36.331 17.0.0 F TEI17

* [047] Merged (agreeable)

[R2-2205867](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205867.zip) Introducing single-bit approach for MINT [MINT] Ericsson CR Rel-17 36.331 17.0.0 4810 - B TEI17

[R2-2205868](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205868.zip) Introducing single-bit approach for MINT [MINT] Ericsson CR Rel-17 38.331 17.0.0 3122 - B TEI17

[R2-2205992](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205992.zip) Support of of case A from CT1 on MINT Huawei, HiSilicon CR Rel-17 38.331 17.0.0 3147 - F MINT

[R2-2205993](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205993.zip) Support of of case A from CT1 on MINT Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4815 - F MINT

# 7 Rel-17 EUTRA Work Items

## 7.0 EUTRA Rel-17 General

Tdoc Limitation: 10 tdocs

No documents should be submitted to 7.0. Please submit to 7.0.x

### 7.0.1 ASN.1 review

This agenda item may use a summary document (decision made based on ASN.1 ad-hoc meeting outcome, submitted review issues and submitted contributions).

Including ASN.1 review issues not handled during April ASN.1 ad-hoc meeting. Documents that relate to ASN.1 review should indicate the RIL number in the document title.

[R2-2205208](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205208.zip) Corrections on the general ASN.1 issues Samsung CR Rel-17 36.331 17.0.0 4794 - F TEI17 Late

[R2-2205209](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205209.zip) LTE Rel-17 ASN.1 Review, Class 0 issues Samsung discussion TEI17 Late

[R2-2205210](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205210.zip) LTE Rel-17 RIL List Samsung discussion TEI17 Late

[R2-2205866](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205866.zip) E806 - Avoiding SIB30, SIB31, and SIB32 in the old SI-scheduling list Ericsson discussion Rel-17

### 7.0.2 L1 parameters and cross-WI RRC aspects

Including RRC details on L1 parameters for Rel-17 WIs that require discussion in the common session or are related to multiple Rel-17 WIs.

### 7.0.3 Feature Lists and UE capabilities

Including essential corrections to Rel-17 UE capabilities or additions based on new inputs from RAN1/4 that are not covered by other WIs or require discussion in the common session due to affecting multiple Rel-17 LTE WIs.

[R2-2204426](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204426.zip) LS on updated Rel-17 RAN1 UE features list for LTE (R1-2202924; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NR\_SL\_enh, NB\_IOTenh4\_LTE\_eMTC6, LTE\_terr\_bcast\_bands\_part1, LTE\_NBIOT\_eMTC\_NTN To:RAN2, RAN4

[R2-2206471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206471.zip) LS on updated Rel-17 RAN1 UE features list for LTE (R1-2205326; contact: NTT DOCOMO, AT&T)

## 7.1 NB-IoT and eMTC enhancements

(NB\_IOTenh4\_LTE\_eMTC6-Core; leading WG: RAN1; REL-17; WID: RP-211340)

### 7.1.1 Organizational

LS in

CR Rapporteurs to provide baseline correction CRs, if needed. For smaller corrections, text clarifications etc please contact CR editor.

[R2-2204421](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204421.zip) LS on use of CQI table for NB-IoT DL 16QAM (R1-2202880; contact: Huawei) RAN1 LS in Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core To:RAN2 Cc:RAN4

[R2-2204423](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204423.zip) LS on UE capability for 16QAM for NB-IoT (R1-2202893; contact: Qualcomm) RAN1 LS in Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core To:RAN4 Cc:RAN2

[R2-2205564](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205564.zip) Corrections based on ASN.1 review of R17 NB-IoT/eMTC Enhancements Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4803 - F NB\_IOTenh4\_LTE\_eMTC6-Core Late

[R2-2205565](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205565.zip) Report of ASN.1 R17 Review for NB-IoT/eMTC enhancements Qualcomm Incorporated discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core Late

### 7.1.2 Corrections

[R2-2205149](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205149.zip) Clarification on NPUSCH repetition number for PUR with 16QAM ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4788 - F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2205162](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205162.zip) RILZ312, Z313, Z316, Z317, Z318 CEL-based paging ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4789 - F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2205323](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205323.zip) RIL H101 : Coverage based paging Huawei, HiSilicon discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2205324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205324.zip) Correction to coverage based paging Huawei, HiSilicon draftCR Rel-17 36.304 17.0.0 F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2205878](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205878.zip) RILZ312, Z313, Z316 CEL-based paging ZTE Corporation, Sanechips CR Rel-17 36.304 17.0.0 0848 - F NB\_IOTenh4\_LTE\_eMTC6-Core

[R2-2206039](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206039.zip) RIL H112 (new): 16 QAM DL configuration Huawei, HiSilicon discussion Rel-17 NB\_IOTenh4\_LTE\_eMTC6-Core

### 7.1.3 Other

## 7.2 NB-IoT and eMTC support for NTN

(LTE\_NBIOT\_eMTC\_NTN; leading WG: RAN1; REL-17; WID: RP‑211601)

Time budget: 0.5 TU

Tdoc Limitation: 6 tdocs

Exception Sheet in RP-220943

### 7.2.1 General

#### 7.2.1.1 Organizational

Tdoc Limitation: 0

LS in, WI rapporteur guidance etc.

[R2-2204428](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204428.zip) LS on IoT-NTN TP for TS 36.300 (R1-2202931; contact: MediaTek) RAN1 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN To:RAN2

* Already covered, Noted

[R2-2204437](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204437.zip) LS Response to LS on UE providing Location Information for NB-IoT (S2-2201333; contact: Qualcomm) SA2 LS in Rel-17 5GSAT\_ARCH To:RAN2 Cc:RAN3, CT1, SA3, SA3-LI

* Noted

[R2-2204451](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204451.zip) Reply LS on UE providing Location Information for NB-IoT (C1-222100; contact: Apple) CT1 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN2, RAN3, SA2 Cc:SA3, SA3-Li

* Noted

[R2-2204495](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204495.zip) Reply LS on UE providing Location Information for NB-IoT (R3-222858; contact: Ericsson) RAN3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN\_req To:RAN2, SA2 Cc:CT1, SA3, SA3-LI

* Noted

[R2-2204458](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204458.zip) Reply LS on security concerns for UE providing Location Information for NB-IoT (S3-220544; contact: Xiaomi) SA3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN2 Cc:SA3-LI, RAN3, SA2, CT1

* Noted

DISCUSSION on the 4 LSes above

* Chair wonder if we can simply agree to skip UE providing location info for NB-IoT. This seems agreeable. Clarification that providing TA is not considered as UE providing location info.
* For NB-IoT, no (new) solution in Rel-17 for the UE to provide location information.

[R2-2204509](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2204509.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204509.zip) Emergency services and UE rejected with "PLMN not allowed to operate in the country of the UE’s location" (C1-223045; contact: OPPO) CT1 LS in Rel-17 5GSAT\_ARCH-CT To:SA1, RAN2 Cc:SA2, SA3LI

* OPPO think that at least for this meeting no action is required, no response from SA1.
* Ericsson think there are also other LSes in the NR NTN AI that may be applicable to IoTG NTn
* Noted

[R2-2204518](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2204518.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204518.zip) Reply LS on opens issues for NB-IoT and eMTC support for NTN (S2-2203064; contact: Qualcomm) SA2 LS in Rel-17 IoT\_SAT\_ARCH\_EPS, LTE\_NBIOT\_eMTC\_NTN\_req To:RAN3 Cc:RAN2

[R2-2204457](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204457.zip) Reply LS on opens issues for NB-IoT and eMTC support for NTN (S3-220543; contact: Xiaomi) SA3 LS in Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core To:RAN3 Cc:SA2, RAN2

* 2 LSes noted

[R2-2204426](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204426.zip) LS on updated Rel-17 RAN1 UE features list for LTE (R1-2202924; contact: NTT DOCOMO, AT&T) RAN1 LS in Rel-17 NR\_SL\_enh, NB\_IOTenh4\_LTE\_eMTC6, LTE\_terr\_bcast\_bands\_part1, LTE\_NBIOT\_eMTC\_NTN To:RAN2, RAN4

* Take into account for the UE caps discussion

New LS in

Take into account immediately in offline discussions

[R2-2206471](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206471.zip) LS on updated Rel-17 RAN1 UE features list for LTE (R1-2205326; contact: NTT DOCOMO, AT&T)

#### 7.2.1.2 CR Rapporteur Resolutions

Tdoc Limitation: 0.

CR Rapporteurs to provide baseline correction CRs. For smaller corrections, text clarifications etc please contact CR editor.

RRC

online first

[R2-2205326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205326.zip) Report of [Pre118-e][012][IoT-NTN] 36331 CR and rapporteur resolutions (Huawei) Huawei, HiSilicon report Rel-17 LTE\_NBIOT\_eMTC\_NTN Late

* Noted

[R2-2206089](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206089.zip) IOT NTN ASN1 RIL List Huawei, HiSilicon report Rel-17 LTE\_NBIOT\_eMTC\_NTN

* Chair asks if we can confirm the propAgree and propReject Issues (on a high level can still discuss details e.g. on how to implement).
* Xiaomi think X601 need to be considered (propReject)
* QC think the CR implements this,
* ZTE think O305 should be discussed.
* Except X601, O305, RAN2 confirm the propAgree and propReject states

[R2-2205327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205327.zip) List of RRC Editor's Notes and proposed handling Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN Late

DISCUSSION

* ZTE think P8 need further discussion. QC support P8. Chair want to first agree the other proposals / seems agreeable.

P8

* ZTE think that in case other than HO the network cannot know when to provide this as the network cannot know UL synch status in the UE, is a UE report needed to trigger this? Nokia think that this is an optimization and not needed, agree it not clear when to trigger.
* Ericsson also support P8, think this is neat, can keep UE connected longer time if needed. Think that network impl can guess when this will become obsolete in the UE. OPPO agrees. Huawei don’t see any reason to restrict it, can allow as network option, no need to define criterion. QC agrees with Erisson and think the other reason is to update the Koffset, think that connected UEs will not be aware of such changes in SIB. Xiaomi support P8.
* Huawei confirm this is only for eMTC
* Nokia think that the current mechanism is better than this one, as UE doesn’t need UL transmission for it.
* ZTE would like to confirm that this doesn’t bring other requirement, e.g. that UE has to report something. Chair think this is a reasonable request, and there seems to b e no such proposals on the table.
* Xiaomi wonder about the validity timer. Chair think that the reset of the validity timer should work the same way regardless the method how SIB31 is signalled (at least on a high level).
* Xiaomi think that epoch time may be needed in order to control the reset of the validity timer, and want to clarify.
* P4, 5, 6-1, 7, 9, 10 are agreed
* P8: Signalling of SIB31 in RRCConnectionReconfiguration not for HO is supported (but no further specification effort is expected due to this, e.g. up to network impl when to provide this).

[R2-2205325](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205325.zip) Corrections to support of Non-Terrestrial Network in NB-IoT and eMTC Huawei, HiSilicon CR Rel-17 36.331 17.0.0 4798 - F LTE\_NBIOT\_eMTC\_NTN Late

* Baseline for further update, review details offline.
* [AT118-e][056][IOT NTN] RRC CR 36331 (Huawei)

Scope: For usage by the IoT NTN RRC CR Rapporteur.

Intended outcome: Set by Rapporteur (agreed CR in the end)

Deadline: Set by Rapporteur

R2-2206526 Report of [AT118-e][056][IOT NTN] RRC CR 36331 Huawei, HiSilicon

* [056] Noted
* [056] 1.1: Clarify in SIB31 and SIB32 that the SIBs are only signaled in a NTN cell.
* [056] 1.2: Agree to clarify the applicability of the requirements on SIB31 acquisition.
* [056] 1.3: Replace ‘BL UE or a UE in CE or a NB-IoT UE’ with ‘NTN capable UE’ or ‘UEs connected to NTN’ according to the outcome of Proposal 1.2 in NTN specific statements.
* [056] 1.5: Update the status of RILs H001, H002, H003, H004, H005 to ‘PropAgree’ with the resolution as per proposals 1.1, 1.2 and 1.3.
* [056] 2: Wait for the conclusion of [offline-057] w.r.t to *t-ServiceStart* and follows the same approach for the signaling of t-Service in SIB3.
* [056] 3: Implicit signalling of *epochTime* in SIB31 in broadcast signalling is supported. Change the status of RIL C501 to PropReject.
* [056] 4-1: T317 expiry is not moved under 5.2.2 system information.
* [056] 1-4bis: Clarify the applicability of the requirements on SIB31 acquisition by using ‘NTN capable UE’ – TP in annex 1 is agreed as a baseline.
* [056] 4-2bis: T317 expiry is moved to a new section 5.3.X. RIL X601 status is changed to ConcModify.

Stage-2

[R2-2205864](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205864.zip) IoT NTN Stage 2 corrections Ericsson, Eutelsat draftCR Rel-17 36.300 17.0.0 LTE\_NBIOT\_eMTC\_NTN Late

* QC think some details were provided by R1, should be really change those. Ericsson think that the R1 text was very detailed and duplicates the R1 TS.
* Ericsson think R1 didn’t do a good job when developing this text
* Review offline (Chair: maybe R1 delegates can participate)
* [AT118-e][055][IOT NTN] Stage-2 CR 36300 (Ericsson)

Scope: In a first phase review proposed rapporteur modifications, e.g. for the RAN1 TP.

Intended outcome: Agreeable draft (agreed CR in the end)

Deadline: Set by Rapporteur (if possible progress offline only).

[R2-220](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205864.zip)xxxx IoT NTN Stage 2 corrections Ericsson, Eutelsat CR Rel-17 36.300 17.0.0 xxxx - F LTE\_NBIOT\_eMTC\_NTN

### 7.2.2 Open Issues

Open issues from exception Sheet in RP 220943:

Prediction of discontinuous coverage: Address the FFS regarding signalled ephemeris type (FFS if two, three of four types and the details on semantics); Address the FFS whether epoch time could be optional and be implicitly derived when not provided; Address the FFS whether in addition to BCCH provide the option to share the information by dedicated RRC signalling; Address the FFS whether anything need to be specified for AS-NAS interaction while the UE is out of coverage.

If time allows, address the open issue on an additional parameter for further enhanced spatial coverage prediction (like satellite footprint reference point on ground, satellite coverage radius); Parameters for prediction of discontinuous coverage and handling of the new SIB;

GNSS Position Validity: Address Signalling details including value range of GNSS position validity remaining time for reporting to the network;

Location Reporting: Address the FFS on UE location information reporting

Discontinuous coverage

Online first

General

[R2-2205933](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205933.zip) Email Discussion Report [Post117-e][906][IoT-NTN] Non-Continuous Converge Mediatek India Technology Pvt. Report

DISCUSSION

* QC wonder if this is for SIB32. MKT confirms yes.

P1

* Ericsson Nokia are now ok with P1. QC think the signalling overhead is an issue, don’t want multiple formats, want just one.
* Xiaomi wonder if there is a new capability for this, agree with QC that we should have only one format.
* Lenovo are ok on a high level, but think some parameters could be removed, there is room for optimization.
* Gatehouse think that one single format for mean parameters is ok (with optionality), but think that also instantaneous parameters can be used. HW wonder if there is any benefit with using inst param, validity short. Ericsson also think these difference formats may cause problems, e.g. to UEs. Apple would be happy with just a single option.
* ZTE think that all cells shall use the same format.

P5

* CATT want to confirm that this is optional. Huawei wonder is optional also for earth fixed cell.
* Intel and Lenovo point out that the info for earth fixed cells can be used also for moving b eams

Chair: continue discussion offline

* P2, P3, P4, P6 are agreed
* P1 is agreed (can explore during R2 118-e whether optimizations/removal of some info is possible, optionality etc).
* (based on P1) Go for a single format / type of mean parameters for prediction of coverage (overrides earlier agreement).
* Include Satellite footprint reference location (coordinates) and coverage radius (for earth-fixed cells).
* Discuss further during R2 118-e for earth moving beams, and also clarify details for earth fixed cells (if needed)
* [AT118-e][057][IOT NTN] Discontinuous coverage (Gatehouse)

Scope: 1. Based on Agreements related to R2-2205933, progress further to identify agreeable parts (e.g. determine agreeable further assistance data for better spatial prediction for earth moving beams).

2. Treat R2-2206160, can take into account R2-2205143, R2-2205598, R2-2205238 (see below), determine agreeable parts (and related TPs)

Intended outcome: Report, agreeable parameters definitions (TP)

Deadline: For Online CB W2 Tue

R2-2206538 Report of [AT118-e][057][IOT NTN] Discontinuous coverage (Gatehouse) Gatehouse

DISCUSSION W2 TUESDAY

- ZTE and Huawei support GNSS.

P4567

- Ericsson wonder whether footprint parameters are per cell or per satellite. GH think for earth fixed cells (GEO), the cell/beam is the footprint, for earth moving cells the footprint is for the entire satellite. Nokia support the view from GH.

- Oppo think that for P7 this doesn’t work. Google think elevation angle and radius overlaps, and elevation angle is sufficient. GH think both can work but one can be sufficient.

- QC think that for P7 at least one of these need to be provided.

t-Service Start

- QC think it should be up tio network if to bcast one or multiple t-service start. HW are also ok with this. MTK are also ok with QC proposal.

- ZTE think if we have a list we need to reduce the signalling overhead, also not clear whether this is applicable to same cell.

- CATT OPPO support a single t-serviceStart.

- GH point out that this is for (quasi-) fixed cell, so this is not for a single satellite, think all UEs in this cell would receive this list.

- Xiaomi think that each satellite could have a t-service start

CONTINUATION W2 WED

- Google wonder what P8 means – we have already agreed UE can turn off AS

- QC support P7, CATT think we need to define UE behaviour for this if we introduce it.

- Ericsson think P7 should be mandatory. HW agrees. QC too .. OPPO too

Huawei want to discuss if SIB32 follows SI modification procedure.

- QC think that SI modification is useful. If beam coverage info is updated, such info is useful to the UE. ZTE think that SI modification is needed, but it shouldn’t be frequent.

- OPPO think the network is allowed to use the Si modification procedure

- HW think that UE determines when the information need to be re-acquired. Eutelsat intel NEC agrees.

- Google think the SI modificaiotn is not useful as UE may store SIB32s from multiple satellites.

- Nokia think that either validity time or SI modification is required.

- Xiaomi think the legacy SI modification procedure can be used.

* 1: The reference frame for SGP4 propagator and SGP4 parameter generation is TEME as per the NORAD Space Track standard.
* 2: Define SGP4 parameters according to table 2 in R2-2206538.   
  (Attention: Rapporteur removed number of revolutions at epoch)
* 3: UEs should obtain an UTC reference via GNSS (if SIB16 is provided the UE could also use this, but SIB16 is not mandatory).
* 4: Define the Epoch parameter as a time offset between the beginning of the current week and the actual SGP4 Epoch. Range of +/- 1048575 seconds and granularity of 1 sec
* 5: Define the t-serviceStart-r17 parameter as a time-offset since the beginning of the current week. Range of 0 to 1048575 seconds and granularity of 1 sec. ASN.1 type: “INTEGER (0..1048575)
* 6a: Define “reference point and radius” as optional footprint parameter for (Quasi-) Earth-fixed cell case: See table 3 in R2-2206538.
* 6b: Define “elevation angles” and “radius” as optional footprint parameter for Earth-moving cell case: See table 4 and table 5 in R2-2206538.
* 7: Define an mandatory satelliteID parameter ranging from 0-255.
* 8: Once a UE receives a SIB32, the UE is allowed to estimate out of coverage and to not do Idle mode tasks when out of coverage.
* 9a: The prediction error limit is up to UE implementation (it is up to UE impl when to consider a stored SIB32 obsolete).
* 11: Leave it to UE implementation to store old SIB32s and keep track of known ephemerides, even when new SIB32s are received.
* UE is expected to re-acquire SIB32 based on its own decision (regardless SI modification state). Can CB next meeting if needed

Chair: ON P10: SA2 has already notified in an LS that CN awareness of UE coverage is required to avoid paging the UE that is out of coverage, but leave tis mostly to network impl in this release.

[R2-2205860](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205860.zip) Open issues on discontinuous coverage Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

[R2-2205723](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205723.zip) On discontinuous coverage and GNSS position validity Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205033](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205033.zip) Discussion on open issues for support of Non continuous coverage CMCC discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2204593](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204593.zip) Discussion on the Open issues for IoT over NTN Transsion Holdings discussion Rel-17

Enhanced spatial coverage prediction

[R2-2204653](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204653.zip) Beam information for the discontinuous coverage prediction Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN

[R2-2205373](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205373.zip) Remaining issues on discontinuous coverage Xiaomi discussion

[R2-2204753](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204753.zip) Discussion on the remaining issue of enhanced spatial coverage prediction Spreadtrum Communications discussion Rel-17

[R2-2204965](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204965.zip) Further consideration on additional satellite assistance for discontinuous coverage. Lenovo discussion Rel-17

Epoch time

[R2-2204710](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204710.zip) [O308][O310] Discussion on the system information for discontinuous coverage in IoT-NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

ASNAS interaction

[R2-2204751](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204751.zip) Discussion on AS-NAS interaction while the UE is out of coverage Spreadtrum Communications discussion Rel-17

CR proposals

[R2-2206115](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206115.zip) ASN.1 proposal for satellite assistance information for prediction of discontinuous coverage GateHouse, Sateliot discussion

=> Revised in [R2-2206160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206160.zip)

[R2-2206160](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2206160.zip) ASN.1 proposal for satellite assistance information for prediction of discontinuous coverage GateHouse, Sateliot, MediaTek discussion

* Offline

[R2-2205143](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205143.zip) FFS and RILZ302, H000, O302 etc for SIB32 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

Moved here

[R2-2205598](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205598.zip) Assistance Information for Predicting the Discontinuous Coverage Google Inc. discussion Rel-17

[R2-2205238](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205238.zip) [C503] Correction on ephemerisOrbitalParameters of SatelliteInfor in 36.331 CATT discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

GNSS Validity duration report

Online first

[R2-2205153](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205153.zip) FFS on provision of remaining GNSS duration ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2205761](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205761.zip) Details of GNSS position validity report for NB-IoT NEC Telecom MODUS Ltd. Discussion

DISCUSSION on the two documents above

* Xiaomi think this reporting shall be configurable. Onlyl certain UEs need this.
* QC think MSG5 is ok, but the value accuracy need to be considered. If the R1 range is used we need another mechanism. Would prefer MAC CE.
* Oppo CATT are also ok w MSG5
* Ericsson are ok with the R1 value range. UE will need to make sure that it has a GNSS validity is longer than 10s.
* HW think there are no requirements on the network behvaiour
* NEC think finer granularity is not needed and this is used for network release for the UE. NEC think that the UE can report infinity if the UE has not issue with this.
* Nokia wonder if for long data connection e.g. for next release, how the UE can report new value. Think more info may be needed.
* ZTE think value range need to be discussed.
* A new parameter for remaining GNSS validity duration is introduced in Msg5, e*.g. RRCConnectionResumeComplete*, *RRCConnectionSetupComplete* and *RRCreestablishmentComplete* messages, and the parameter refers to the time of message transmission.
* Can discuss offline whether to expand the granularity of the value range, but if no convergence will implement the R1 proposal from the LS.
* [AT118-e][058][IOT NTN] GNSS Validity duration report (NEC)

Scope: Settle the value range (identify agreement and discussion points if any), settle other stage-3 details if needed (can consider to do an agreeable TP). Pave the way for swift decision.

Intended outcome: Report

Deadline: For On-line CB W2 Thursday

[R2-2204727](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204727.zip) Discussion on the signaling for reporting remaining GNSS validity duration OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2204752](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204752.zip) Discussion on the remaining issue of GNSS Position Validity Spreadtrum Communications discussion Rel-17

[R2-2205031](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205031.zip) Details on GNSS Validity duration reporting CMCC discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205399](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205399.zip) Discussion on the signaling of GNSS validity duration Xiaomi discussion Rel-17

[R2-2204655](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204655.zip) Reporting remaining GNSS position validity duration Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN R2-2202560

CR proposals

[R2-2205400](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205400.zip) FFS issues related to GNSS outdate indication Xiaomi discussion Rel-17

Location report

Online first – if time

[R2-2205398](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205398.zip) Discussion on location report for IOT NTN Xiaomi discussion Rel-17

[R2-2205600](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205600.zip) On remaining issues for Location Reporting Nokia, Nokia Shanghai Bells discussion Rel-17

General

[R2-2205862](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205862.zip) Other control plane open issues Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

New issues

Offline first

* [AT118-e][048][IOT NTN] New Issues (OPPO)

Scope: Treat [R2-2204740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204740.zip), [R2-2205725](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205725.zip), [R2-2204741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204741.zip).

Ph1 determine agreeable part, Ph2 endorse TP

Intended outcome: Report, Endorsed TP (if applicable)

Deadline: Schedule 1

[R2-2206420](file:///C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2206420.zip" \o "C:Usersmtk65284Documents3GPPtsg_ranWG2_RL2TSGR2_118-eDocsR2-2206420.zip) Report of [AT118-e][048][IoT-NTN] New Issues (OPPO) – 1st round OPPO

* [048] Noted

MAC Msg3 repetitions

[R2-2204740](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204740.zip) Discussion on mac-ContentionResolutionTimer in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205725](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205725.zip) Alignment with NR NTN for Msg3 blind retransmission Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

* [048] 2 docs Noted
* [048] Proposed changes to MSG3 repetition and/or mac-ContentionResolutionTimer are NOT agreed

TA report

[R2-2204741](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204741.zip) Discussion on TA report in IoT NTN OPPO discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

* [048] Noted, Proposed changes are Not agreed

### 7.2.3 Corrections

#### 7.2.3.1 User Plane

Impacts to 36.321, 36.322, 36.323, 37.324

Offline

* [AT118-e][049][IoTNTN] User Plane (Interdigital)

Scope: Treat [R2-2205161](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205161.zip), [R2-2205328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205328.zip), [R2-2205724](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205724.zip), [R2-2205959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205959.zip), [R2-2205996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205996.zip)

Ph1 Determine agreeable parts, for Agreeable parts endorse TP/Draft CR.

Intended outcome: Report, Endorsed TP(s).

Deadline: Schedule 1

R2-2206533 Report of [AT118-e][049][IoTNTN] User Plane (Interdigital) Interdigital inc.

* [049] Noted
* [049] No changes are needed to sr-ProhibitTimerExt.
* [049] Add the cancelling of the TA reporting procedure in the MAC reset section.
* [049] The changes 2 and 3 in [R2-2205724](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_118-e/Docs/R2-2205724.zip__;!!CTRNKA9wMg0ARbw!xtwQaPV6VOoNr_Yj1iottOSD9a-DL4pzWdB4EkAtM-M_6OyYmaAp4Iu7e8Fladt401ZqDg$) are in principle OK, with some small updates to finalise in the TP review.
* [049] TAR triggering conditions in TS 36.321 are not updated.
* [049] Proposals 6 and 7 in [R2-2205996](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_118-e/Docs/R2-2205996.zip__;!!CTRNKA9wMg0ARbw!xtwQaPV6VOoNr_Yj1iottOSD9a-DL4pzWdB4EkAtM-M_6OyYmaAp4Iu7e8FladuoDOVazQ$) are agreed, with with some small updates to finalise in the TP review
* [049] Change the definition of UE-eNB RTT and update the text according to the TPs in [R2-2205996](https://urldefense.com/v3/__https:/www.3gpp.org/ftp/tsg_ran/WG2_RL2/TSGR2_118-e/Docs/R2-2205996.zip__;!!CTRNKA9wMg0ARbw!xtwQaPV6VOoNr_Yj1iottOSD9a-DL4pzWdB4EkAtM-M_6OyYmaAp4Iu7e8FladuoDOVazQ$)

[R2-2205161](C:\\Users\\mtk65284\\Documents\\3GPP\\tsg_ran\\WG2_RL2\\TSGR2_118-e\\Docs\\R2-2205161.zip" \o "C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205161.zip) Correction on sr-ProhibitTimerExt for IoT NTN ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2205328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205328.zip) Correction on 36.321 Huawei, HiSilicon draftCR Rel-17 36.321 17.0.0 LTE\_NBIOT\_eMTC\_NTN

[R2-2205724](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205724.zip) 36.321 corrections for IoT NTN Nokia, Nokia Shanghai Bell CR Rel-17 36.321 17.0.0 1538 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2205959](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205959.zip) TA Reporting during Random Access InterDigital discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205996](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205996.zip) IoT NTN Uplink synchronisation and UE-eNB RTT modelling Ericsson discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

#### 7.2.3.2 RRC

Offline

* [AT118-e][050][IoTNTN] RRC Miscellaneous (ZTE)

Scope: Treat R2-2204712, R2-2205140, R2-2205145, R2-2205595, [R2-2205146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205146.zip), [R2-2205330](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205330.zip), [R2-2205830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205830.zip), [R2-2204652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204652.zip), [R2-2205329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205329.zip), [R2-2204654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204654.zip),

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

DeadlineCB online W2 TUE (settle as many points as possible offline).

CLOSED

R2-2206529 Report of [AT118-e][050][IoTNTN] RRC Miscellaneous (ZTE) ZTE

DISCUSSION

* P2, 4, 5, 6, 7.1, 8, 9.1, 9.2, 10, 11.1, 11.2, 12 are agreed

P1.1

* ZTE propose that change of these parameters does not change SI value tag. Think UE acquires SIB31 before accessing the network, and think SIB cannot be received in connected mode for IoT NTN.
* OPPO think we should follow NR NTN. Think if we don’t use Si modification the UE has no idea when to reacquire these parameters
* Ericsson want to be able to trigger SI modification, but think that for UEs in connected indeed UEs cannot read the SI.
* Huawei think the normal way is that the network then release UEs to IDLE and then the UE need to re-read before connecting.
* The UE will re-read SIB31 before connecting regardless of current SI value tag etc.
* Nokia point out that in addition in connected mode there is the validity timer that triggers re-read.
* QC think there is a long gap between UE reading SIB31 and connecting to the network.

P1.2

* Chair: the UE reads complete SIBs only. No need to discuss.

P3

* ZTE proposes configurable, in SIB.

P7.2

* HW clarifies that we have already agreed that the timer is in RRC.
* When T317 expires in RRC\_CONNECTED, the UE assumes that the scheduling information of SIB31 is unchanged and only re-acquires SIB31.
* Wait for RAN1 decision on whether and how to clarify the position corresponding to the (*startSFN, startSubframe*) values in *epochTime* (if configured) in SIB31.
* There is no need to move t-Service for the serving cell from SIB3 to SIB31/SIB31-NB.
* There is no need to further clarify the UE behavior (e.g., to release the dedicated SIB31, if previously configured) in case of handover to a TN cell.
* The current RRC description for maintenance of UL Synchronization is correct and no need of change.
* There is no need to add reference to the section “5.3.3.1d Condition for establishing RRC Connection in NTN” in RRC procedure. RIL Z303 status is changed to PropReject.
* There is no need to add a note of “The interaction with GNSS receiver is up to UE implementation” in section 5.3.3.21.
* There is no need to add “from upper layer” in the title of section 5.3.3.21.
* There is no need to add a note of “The interaction with NAS to handle the GNSS position fix delay is up to UE implementation” in section 5.3.3.1d.
* To group the NTN specific configuration parameters in *ntn-ConfigCommon* and *ntn-ConfigDedicated* respectively. RILs H012, H013, H016 and H017 status are changed to PropAgree.
* The changes in [R2-2205330] with removing the item PRACH-Config-v1700 in PRACH-Config are agreed as baseline for further review.
* There is no need to introduce a new indication to indicate that the UE is allowed to perform RRC reestablishment from TN to NTN or NTN to TN.
* Update to parameters of *k-MAC* and *k-Offset* in SIB31 (and all other parameters in SIB31) does not affect the system information value tag and does not trigger System information modification procedure.
* length of T318 can be separately configured in SIB (as baseline same range as T310)
* Agree MAC TP in Proposal 7.2

SIB31

[R2-2204712](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204712.zip) [O300][O301][O302][O303][O304][O306][O307][O311][O312][O313] Correction on the handing of SIB31 OPPO draftCR Rel-17 36.331 17.0.0 F LTE\_NBIOT\_eMTC\_NTN

[R2-2205140](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205140.zip) FFS and RILO301 etc for SIB31 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2205145](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205145.zip) FFS and RILO305, X501 etc for dedicatedSIB31 ZTE Corporation, Sanechips discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2205595](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205595.zip) IoT-NTN System Information Validity Interdigital, Inc. discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

Miscellanous

[R2-2205146](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205146.zip) RILZ303 Reference to GNSS validation check ZTE Corporation, Sanechips CR Rel-17 36.331 17.0.0 4787 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2205330](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205330.zip) RIL H012, H013, H016, H017 : Signalling of NTN specific configuration parameters Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205830](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205830.zip) Clarification on System Information acquistion and GNSS Fix related actions for IoT-NTN Nokia Solutions & Networks (I) CR Rel-17 36.331 17.0.0 4807 - F LTE\_NBIOT\_eMTC\_NTN-Core

[R2-2204652](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204652.zip) Clarification on GNSS fix Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4786 - F FS\_LTE\_NBIOT\_eMTC\_NTN

[R2-2205329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205329.zip) Adressing RRC Editor’s notes Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2204654](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204654.zip) RRC reestablishment between TN and NTN for NB-IoT Qualcomm Incorporated discussion Rel-17 FS\_LTE\_NBIOT\_eMTC\_NTN

#### 7.2.3.3 Idle Inactive mode

Impacts to 36.304

Offline

* [AT118-e][051][IoT NTN] Idle Inactive Mode (Ericsson)

Scope: Treat [R2-2204711](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204711.zip), [R2-2205250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205250.zip), [R2-2205331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205331.zip), [R2-2205861](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205861.zip), [R2-2204651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204651.zip)

Ph1 Determine agreeable parts, Ph2, agree/endorse TP(s) if applicable.

Intended outcome: Report, endorsed TPs/Draft CRs

Deadline: Schedule 1 (CB online W2 if needed)

[R2-2204711](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204711.zip) Correction on Measurement rules for cell re-selection in IoT-NTN OPPO CR Rel-17 36.304 17.0.0 0846 - F LTE\_NBIOT\_eMTC\_NTN

[R2-2205250](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205250.zip) 36.304 R17 editorial corrections Nokia, Nokia Shanghai Bell CR Rel-17 36.304 17.0.0 0847 - F LTE\_NBIOT\_eMTC\_NTN-Core, TEI17

[R2-2205331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205331.zip) Adressing 36.304 Editor’s notes Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

[R2-2205861](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205861.zip) IoT NTN idle mode issues Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

[R2-2204651](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204651.zip) Clarification on TN NTN barring Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4785 - F FS\_LTE\_NBIOT\_eMTC\_NTN

### 7.2.4 UE capabilities

Online first

* [AT118-e][084][IOT NTN] UE capabilities (Nokia)

Scope: Take into account LSin, address remaining points if any, capture agreements in CRs, make an LS to SA2 on TN NTN cap separation.

Intended outcome: CR to 36306 (agreed), TP to 36331 (merge with 331 CR), LS out to SA2 (approved).

Deadline: EOM (CR can continue in a post meeting discussion if needed)

[R2-2205863](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205863.zip) On IoT NTN UE capabilities Ericsson discussion LTE\_NBIOT\_eMTC\_NTN

DISCUSSION W2 Monday

P6

* QC think that if the UE doesnt have to go to IDLE mode the UE doesnt have to report. Chair thought this case is handled by reporting infinity.
* OPPO think that infinity is not the same. Chair think simply infinity means UE will keep GNSS valid at all times, e.g. an implementation can ahve a GNSS impl that is independent of the Modem. Huawei agrees.
* NEC indeed think that absence = infinity
* Reporting of the GNSS validity duration is a mandatory for IoT NTN Ues (assuming the code point infinity can be reported or can be inferred), TBD stage-3 discussion if absence can/shall be interpreted as infinity.

[R2-2205601](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205601.zip) On Capability Indication of existing IoT-Features for NTN connectivity Nokia, Nokia Shanghai Bells discussion Rel-17

* Noted

[R2-2205333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205333.zip) TN-NTN differentiation for NB-IoT Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

* Noted

DISCUSSION W1 FRIDAY TN-NTN separation

Ericsson tdoc P2345

* QC think we should start with NB-IoT. Think both P2 and P3 are ok for NB-IoT
* QC think that P3 can be applied to eMTC if the network can request the container for the other network type in order to build the HO command.
* Nokia think that the capability inquiry can be done after HO.
* ZTE disagree with P3. Think a capability can be assumed to be supported in both TN and NTN, think it would be good to avoid capability enquiry after handover and after NB-IoT re-establishment.
* Intel think we can keep things simple and P2 and P3 can both be applicable for NB-IoT and eMTC.
* QC think that HO cannot be initiated without target capability.
* Hw think that for NB-IOT we should assume different capabilities. Think TN and NTN would have exactly the same capabilities.
* Apple has sympathy for the QC position, but also think that the time for UE capability inquiry is not an issue, so tend to agree.

Nokia tdoc

* HW think the list is not completely correct, e.g. early cont resolution is mandatory.

Huawei tdoc

* Huawei think that UE caps can be considered common, and think that NTN capable UE will need to test and verify all capabilities, and for a UE that is capable of TN and NTN any capability indicated will be for both. Can add additional capabilities later
* QC think we cannot come back and add additional capabilities when we find issues, this is not backwards compatible.

NB-IoT

Alt 1: Cap valid for both network types (TN-NTN). Assume that per-UE capabilities are the same for Tn and NTN, can have some specific exception and FFS if we have some specific NTN IoT bits.

Alt 2: Cap valid only in one network type.

eMTC

Alt 1: Cap valid for both network types (TN-NTN). Assume that per-UE capabilities are the same for Tn and NTN, can have some specific exception and FFS if we have some specific NTN IoT bits

Alt 2: Cap valid only in one network type.

* Chair wonder for Band differentiated caps, whether we can always assume that NTN and TN will be different bands. Huawei think Yes but point out that for NB-IoT all capabilities are per UE.
* QC think that e.g. PUR is problematic and think there are many PUR parameters that may be different for NTN and TN. Alt1 doesn’t work. This was explained in LS from RAN1. Alt1 doesn’t work unless we have lots of IOT bits case by case.
* Huawei think that PUR is a specific example, and it indeed need a separate capability.
* QC think we need to consider Phy parameters ALL being different for TN and NTN, unless we involve RAN1.
* Nokia think we don’t need to say all being different.
* ZTE think that we may anyway need complementary additions indicating that certain cap is only applicable to one network type.
* Nokia are ok with Alt2 for NB-IoT. Hw can be ok with alt2 if the change is very limited.
* QC think that with Alt2 for eMTC, redirection TN-NTN can still work.
* Ericsson think HO can work with basic cap
* ZTE think the interruption time will be increased by UE cap inquiry. Ericsson think the interruption time is anyway long, especially in direction TN->NTN where GNSS need to be acquired first.
* Nokia think that changes to the container will have R3 change, Nokia think HO doesn’t need to be formidden, and can happen based on restricted capability assumptions,
* Intel think alt 2 is also ok for eMTC, redirection is ok.
* QC Think LS to SA2 is required.
* For NB-IoT, UE capability provided is only valid in the network type [TN, NTN] where it was provided.
* For eMTC, UE capability provided is only valid in the network type [TN, NTN] where it was provided.
* For eMTC, Inter [TN, NTN] - redirection can work. For inter [TN, NTN] - HO, the target node will not know the UE caps of target network type. R2 will not specify that HO is disallowed, but expect it can only work in restricted way (if at all). R2 does not expect to work further on inter [TN, NTN] – HO in Rel-17.
* Need LS to SA2

[R2-2205332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205332.zip) Discussion on UE capabilities Huawei, HiSilicon discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

DISCUSSION

* Ericsson are ok with P1 and P2.

P3

* OPPO think that for NR NTN also both can be applied. Huawei think not (not in ASN.1) but think both is indicated by not including this. Oppo are ok.
* Intel are also ok with P3 and confirms that ASN1 corresponds to NR
* ZTE wonder about the mobility, do we really have a mixed scenario. Huawei copied this from NR. MTK think mobility is out of scope for IoT NTN. QC think the mobility may be confusing, think that for Idle mode it could be fine.

P4

* CATT wonder if it is needed that the network knows this. Confirm that network doesn’t need to know.
* For IOT NTN, capture the two feature groups ‘Basic IoT over NTN support’ and ‘Segmented UL transmission’ under the existing *ntn-Connectivity-EPC-r17.*
* For IOT NTN, introduce a new capability *ntn-OffsetTimingEnh-r17* for the support oftiming relationships enhancement using a time offset.
* For IOT NTN, introduce a new capability *ntn-Scenario-r17* {GSO, NGSO}, conditional to support of *ntn-Connectivity-EPC-r17.* If a UE does not include the capability, the UE supports all indicated NTN features for both GSO and NGSO scenarios.
* Introduce a new optional feature without capability reporting ‘Support of discontinuous coverage’. If the UE supports discontinuous coverage, then it should support the reception of *SystemInformationBlockType32* as specified in TS 36.331 [5].
* As baseline update the description of the existing capabilities as proposed in the draft TP (details for further discussion offline).

[R2-2204650](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204650.zip) NTN UE capability signaling for eMTC and NB-IoT Qualcomm Incorporated CR Rel-17 36.331 17.0.0 4784 - F FS\_LTE\_NBIOT\_eMTC\_NTN

* Already covered
* QC Think indication for capability filtering need to be discussed.
* noted

[R2-2205374](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205374.zip) Remaining issues on UE capability Xiaomi discussion

* already covered
* noted

[R2-2205594](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2205594.zip) IoT-NTN-only UE Interdigital, Inc. discussion Rel-17 LTE\_NBIOT\_eMTC\_NTN

- already covered

* noted

### 7.2.5 Other

## 7.3 EUTRA R17 Other

(Documents relating to Rel-17 LTE but for which there is no existing RAN WI/SI, e.g. LSs from CT/SA requesting RAN2 action)

Including essential corrections to LTE TEI17 and other LTE Rel-17 WIs not covered by other agenda items. Proposals that do not provide Stage-3 details will not be treated.

Documents that relate to ASN.1 review should indicate the RIL number in the document title.

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

[R2-2204467](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204467.zip) LS on updates to 36.300 from LTE\_terr\_bcast\_bands\_part1 (R1-2202825; contact: Qualcomm) RAN1 LS in Rel-17 LTE\_terr\_bcast\_bands\_part1-Core To:RAN2

Comment: Already Covered last meeting

## 7.4 User Plane Integrity Protection support for EPC connected architectures

(UPIP\_EN-DC\_UE; leading WG: RAN3; REL-17; WID: RP‑213669)

WI has been declared 100% complete.

Including essential corrections to User Plane Integrity Protection support for EPC connected architectures. Proposals that do not provide Stage-3 details will not be treated.

[R2-2204490](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118-e\Docs\R2-2204490.zip) Reply LS on User Plane Integrity Protection for eUTRA connected to EPC (R3-222610; contact: Qualcomm) RAN3 LS in Rel-17 UPIP\_SEC\_LTE-RAN-Core To:SA3 Cc:RAN2, CT1, CT4, SA2

## 7.5 NR and EUTRA Inclusive language

Time budget: N/A

Final inclusive language CRs for RAN2 specifications were approved in RAN#95e.

RAN coordinator for inclusive language is Gino Masini (Ericsson).

This agenda item will not be treated in this meeting unless urgent actions are needed for RAN#96.

# 8Breakout 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.

## 8.1 Session on LTE legacy, Mobility, DCCA, Multi-SIM and RAN slicing

R2-2206151 Report on LTE legacy, DCCA, Multi-SIM, 71GHz and RAN slicing Vice Chairman (Nokia) Report

## 8.2 Session on R17 NTN and RedCap

R2-2206152 Report from Break-out session on R17 NTN, REDCAP and CE Vice Chairman (ZTE) Report

## 8.3 Session on eMTC

R2-2206153 Report eMTC breakout session Session chair (Ericsson) Report

## 8.4 Session on R17 Small data and URLLC/IIOT

R2-2206154 Report for Rel-17 Small data and URLLC/IIoT Session chair (InterDigital) Report

## 8.5 Session on positioning and sidelink relay

R2-2206155 Report from session on positioning and sidelink relay Session chair (MediaTek) Report

## 8.6 Session on SON/MDT

R2-2206156 Report from SON/MDT session Session chair (CMCC) Report

## 8.7 Session on NB-IoT

R2-2206157 Report NB-IoT breakout session Session chair (InterDigital) Report

## 8.8 Session on LTE V2X and NR SL

R2-2206158 Report from session on LTE V2X and NR SL Session chair (Samsung) Report