3GPP TSG-RAN WG2 Meeting #119bis electronic DRAFT\_R2-2210807

Online, 10-19 October, 2022

Source: Session chair (Huawei)

Title: Report from MBS breakout session

Agenda Item: 9.7

# Email discussions

Kicked-off together with a meeting start:

* [AT119bis-e][600] Organizational - MBS session

Scope:

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

Start after the online session on Monday 10 October:

* [AT119bis-e][601][MBS-R17] RRC corrections (Huawei)

Scope: Treat [R2-2209653](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209653%20Rapporteur%20Corrections%20on%20RRC.docx) and documents in 6.1.2

Outcome: Report, 38.331 CR

Deadline: Report available: Tuesday 2022-10-18 1000 UTC, agreeable CR: EOM

* [AT119bis-e][602][MBS-R17] Other CP corrections (CATT)

 Scope: Treat remaining issues from documents in 6.1.3.

 Outcome: Report (CATT) + CR(s) as needed:

* 38.300: Nokia
* 38.304: CATT
* 38.306/38.331 (capabilities): Mediatek

 Deadline: Report available: Tuesday 2022-10-18 1000 UTC, agreeable CR(s): EOM

* [AT119bis-e][603][MBS-R17] UP corrections (Samsung)

 Scope: Treat [R2-2210051](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210051%20Miscellaneous%20corrections%20for%20MBS%2038.323.docx) and remaining issues from documents in 6.1.4.

 Outcome: Report (Samsung) + CR(s) as needed:

* 38.323: Xiaomi
* 38.321: OPPO

 Deadline: Report available: Tuesday 2022-10-18 1000 UTC, agreeable CR(s): EOM

Start after the online session on Tuesday 11 October:

* [AT119bis-e][604][MBS-R17] Reply LS to SA2 (Huawei)

 Scope: Discuss the reply to SA2 LS ([R2-2209356](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209356_S2-2207470.docx)) based on the draft reply in [R2-2209664](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209664%20Consideration%20on%20replying%20to%20the%20SA2%20LS%20on%20MBS%20progress.docx).

 Outcome: Report, agreeable reply LS

 Deadline: Report available: Tuesday 2022-10-18 1200 UTC, agreeable LS: EOM

## 2.4 Instructions

Not Treated Agenda Items

- The current agenda has a number of items marked tdoc limitation: 0 and Not treated. Such Agenda items may have LS ins, and they are also not expected to be treated, but exceptions could be considered if needed.

Tdoc limitations (reminder)

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

- Assigned summary rapporteur input of the summary.

- Email / offline discussions outcomes by discussion rapporteur,

- WI rapporteurs input for WI planning etc,

- TS rapporteur input for TS maintenance

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

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

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

Tdoc limitations doesn’t apply to shadow / mirror CRs (Cat A).

Tdoc limitations applies to all other submitted tdocs.

Rel-17 CR

General, all correction CRs / draft CRs:

1. Rapporteurs of Rel-17 WI CRs are asked to continue their volunteer responsibility.

2. Unless otherwise explicitly agreed/indicated, max one Cat F CR per TS per WI shall be produced as outcome of the meeting. Exception: NBC aspects, if any, may need to be in a separate CR per WI (decided case by case). Note that Impact analysis is required per CR.

3. No editorial corrections for this meeting

Rel-17 UE capabilities

For NR UE capabilities the following applies:

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

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

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

# 6 NR Rel-17

## 6.0 General

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

Tdoc limitation: 2 tdoc (in addition to rapporteur input)

(…)

**FOR ATTENTION:** the aspects related to co-existence of MBS and Slicing frequency prioritization were moved to AI 6.0.4 and are handled via [AT119bis-e][005][NR17] offline discussion in the Main session (copied below for information).

### 6.0.4 Other

Rel-17 impacts to Cell Reselection Frequency Prioritization

Offline

* [AT119bis-e][005][NR17] Cell Reselection Frequency Prioritization (Kyocera)

 Scope: Treat [R2-2210459](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210459_CoexistenceBwHighestPriorityAndSlice.doc), [R2-2210126](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210126%20Discussion%20and%20TP%20on%20reselection%20prioritization%20in%20release%2017.docx), [R2-2209415](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209415%20Discussion%20on%20MBS%20Frequency%20Prioritization%20and%20Slice-specific%20Reselection.docx), [R2-2209548](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209548%20Corrections%20to%20TS%2038.304%20for%20MBS.docx). Determine agreeable parts, for agreeable parts capture in CR,

 Intended outcome: Report, Agreed-in-principle CR.

 Deadline: Schedule 1

[R2-2210459](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119bis-e%5CDocs%5CR2-2210459.zip) Coexistence between the highest priority and slice specific cell reselection priority Kyocera Corporation discussion

Moved from 6.1.3

[R2-2210126](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119bis-e%5CDocs%5CR2-2210126.zip) Reselection prioritization in release-17 Nokia, Nokia Shanghai Bell CR Rel-17 38.304 17.2.0 0287 - F NR\_MBS-Core, NR\_slice-Core

Moved from 6.0.1

[R2-2209415](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119bis-e%5CDocs%5CR2-2209415.zip) Discussion on MBS Frequency Prioritization and Slice-specific Reselection vivo discussion Rel-17 NR\_MBS-Core

Moved from 6.1.3

[R2-2209548](file:///C%3A%5CUsers%5Cmtk65284%5CDocuments%5C3GPP%5Ctsg_ran%5CWG2_RL2%5CTSGR2_119bis-e%5CDocs%5CR2-2209548.zip) Corrections to TS 38.304 for MBS CATT, CBN CR Rel-17 38.304 17.2.0 0284 - F NR\_MBS-Core Late

Moved from 6.1.3 (only the part related to freq priority to be treated here)

## 6.1 NR Multicast

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

Tdoc Limitation: 4 tdocs

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

### 6.1.1 Organizational and Stage-2

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

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

LSin, online W1

[R2-2209302](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209302_C1-225249.docx) Reply LS on AS-NAS layer interactions for MBS (C1-225249; contact: Huawei) CT1 LS in Rel-15 5MBS To:RAN2, SA2

[R2-2209352](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209352_S2-2207389.docx) Response LS on further outstanding issues in TS 23.247 (S2-2207389; contact: Huawei) SA2 LS in Rel-17 5MBS, NR\_MBS-Core To:RAN3, RAN2 Late

[R2-2209353](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209353_S2-2207409.docx) LS on AS-NAS layer interactions for MBS (S2-2207409; contact: Huawei) SA2 LS in Rel-17 5MBS, NR\_MBS-Core To:RAN2, CT1

[R2-2209360](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209360_S2-2207888.docx) LS on response to LS on parameters preconfigured in the UE to receive MBS service (S2-2207888; contact: Huawei) SA2 LS in Rel-17 5MBS To:CT, CT1 Cc:CT4, SA4, RAN2, SA, CT6

*Stage-2 CR, online W1*

[R2-2209866](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209866%20CR%2038300%20MBS%20v2.docx) Corrections on MBS Nokia, Nokia Shanghai Bell CR Rel-17 38.300 17.2.0 0564 - F NR\_MBS-Core

*Rapporteur CRs – treated together with corresponding offlines*

[R2-2209653](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209653%20Rapporteur%20Corrections%20on%20RRC.docx) Rapporteur corrections on RRC Huawei, HiSilicon CR Rel-17 38.331 17.2.0 3500 - F NR\_MBS-Core

[R2-2210051](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210051%20Miscellaneous%20corrections%20for%20MBS%2038.323.docx) Miscellaneous corrections for MBS 38.323 Xiaomi CR Rel-17 38.323 17.2.0 0102 - F NR\_MBS-Core

### 6.1.2 RRC corrections

*Withdrawn*

[R2-2209748](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209748%20CR%20to%20TS%2038.331%20on%20MRB%20configuration.docx) CR to TS 38.331 on MRB configuration ZTE, Sanechips CR Rel-17 38.331 17.2.0 3504 - F NR\_MBS-Core Withdrawn

***Treated directly via offline [601]***

*LCH re-association*

[R2-2209654](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209654%20Discussion%20on%20LCH%20re-association%20for%20MRB.docx) Discussion on LCH re-association for MRB Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2209399](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209399_CR3484_38331_RRC%20Corrections%20on%20MBS.docx) RRC Corrections on MBS vivo CR Rel-17 38.331 17.2.0 3484 - F NR\_MBS-Core

*Misc*

[R2-2209547](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209547%20Miscellaneous%20Corrections%20to%20TS%2038.331%20for%20MBS.docx) Miscellaneous Corrections to TS 38.331 for MBS CATT, CBN CR Rel-17 38.331 17.2.0 3494 - F NR\_MBS-Core Late

[R2-2209908](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209908.docx) RRC corrections for MBS Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2210050](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210050%2038.331%20CR3521%20%28Rel17%29%20Broadcast%20MRB%20retention%20upon%20T300%20expiry.docx) Broadcast MRB retention upon T300 expiry Samsung CR Rel-17 38.331 17.2.0 3521 - F NR\_MBS-Core

[R2-2210130](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210130%20Draft%20CR%20for%2038331%20on%20various%20small%20aspects.docx) Various small corrections to 38.331 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.2.0 3524 - F NR\_MBS-Core

[R2-2210576](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210576%2038.331%20CR%20Correction%20on%20the%20ASN.1%20violation%20or%20encoding%20error%20handling%20for%20MCCH%20message.docx) 38.331 CR Correction on the ASN.1 violation or encoding error handling for MCCH message Beijing Xiaomi Software Tech draftCR Rel-17 38.331 17.2.0 F NR\_MBS-Core

[R2-2210682](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210682%20CR%20to%20TS%2038.331%20on%20MRB%20configuration.docx) CR to TS 38.331 on MRB configuration ZTE, Sanechips CR Rel-17 38.331 17.2.0 3560 - F NR\_MBS-Core

[R2-2210712](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210712%20MBS%20service%20area%20and%20MCCH%20acquisition.docx) MBS service area and MCCH acquisition Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2210713](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210713%20A%20closer%20look%20at%20the%20MBS%20broadcast%20neighbours.docx) A closer look at the MBS broadcast neighbours Ericsson discussion Rel-17 NR\_MBS-Core

[R2-2210717](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210717%20Correction%20to%20full%20configuration%20for%20MBS.docx) Correction to full configuration for MBS Google Inc. CR Rel-17 38.331 17.2.0 3562 - F NR\_MBS-Core

### 6.1.3 Other CP corrections

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

*FG 33-1-1 handling, online W1*

[R2-2209909](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209909.docx) Remaining MBS UE capability open issues Intel Corporation discussion Rel-17 NR\_MBS-Core

Proposal 1: FG 33-1-1 (DCI indicated slot-level repetition for broadcast) is implemented in TS 38.306 clause 5.10 as an optional feature without UE capability signalling. FG 33-1-1 is optional for UEs supporting FG 33-1.

Proposal 2: RAN1 components of FG 33-1 Broadcast should be captured in TS 38.306 clause 5.10.

[R2-2210029](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210029%20Correction%20on%20MBS%20capabilities.docx) Correction on MBS capabilities MediaTek inc. discussion Rel-17 NR\_MBS-Core

Proposal 1: Introduce the UE capability with capability bit for FG33-1-1 and add to the specs.

[R2-2210714](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210714%20DCI%20indicated%20repetitions%20for%20MBS%20broadcast.docx) DCI indicated repetitions for MBS broadcast Ericsson discussion Rel-17 NR\_MBS-Core

Proposal: If the UE supports broadcast reception the UE also supports up to 8 DCI indicated repetitions.

DISCUSSION (common for the three Tdocs above):

*Withdrawn*

[R2-2210549](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210549%20CR%20to%20TS%2038.304%20on%20NR%20MBS.docx) CR to TS 38.304 on NR MBS ZTE, Sanechips CR Rel-17 38.304 17.2.0 0290 - F NR\_MBS-Core Withdrawn

***Treated directly via offline [602]***

*Misc*

[R2-2209548](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209548%20Corrections%20to%20TS%2038.304%20for%20MBS.docx) Corrections to TS 38.304 for MBS CATT, CBN CR Rel-17 38.304 17.2.0 0284 - F NR\_MBS-Core Late

*(the aspects related to MBS and Slicing frequency prioritization co-existence of this Tdoc are handled via [AT119bis-e][005][NR17] offline discussion in the Main session)*

[R2-2209655](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209655%20Corrections%20on%20UE%20capability%20for%20MBS.doc) Correction on UE capability for MBS Huawei, CBN, HiSilicon CR Rel-17 38.306 17.2.0 0809 - F NR\_MBS-Core

[R2-2210069](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210069%2038.304%20CR0285%20%28Rel17%29%20Correction%20to%20PEI%20monitoring%20for%20group%20notification.docx) Correction to PEI monitoring for group notification Samsung CR Rel-17 38.304 17.2.0 0285 - F NR\_MBS-Core

[R2-2210131](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210131%20Draft%20CR%20for%2038304%20on%20various%20small%20aspects.docx) Various small corrections to 38.304 Nokia, Nokia Shanghai Bell CR Rel-17 38.331 17.2.0 3525 - F NR\_MBS-Core

[R2-2210683](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210683%20CR%20to%20TS%2038.304%20on%20NR%20MBS.docx) CR to TS 38.304 on NR MBS ZTE, Sanechips CR Rel-17 38.304 17.2.0 0294 - F NR\_MBS-Core

[R2-2210711](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210711%20When%20to%20monitor%20the%20MCCH%20on%20the%20MBS%20frequency.docx) When to monitor the MCCH on the MBS frequency Ericsson, Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

 *(moved from 6.1.1)*

### 6.1.4 UP corrections

Including corrections to MAC, PDCP, RLC and SDAP.

HARQ buffers, online W1

[R2-2209416](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209416%20UP%20Corrections%20on%20MBS.docx) UP Corrections on MBS vivo discussion Rel-17 NR\_MBS-Core

Proposal 2: HARQ buffer(s) being used for MBS broadcast is not flushed upon uplink time alignment loss.

[R2-2210594](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210594%20Discussion%20on%20flushing%20HARQ%20buffer%20for%20MBS%20%20broadcast.docx) Discussion on flushing HARQ buffers for MBS broadcast LG Electronics Inc. discussion Rel-17 NR\_MBS-Core

Proposal 1. Remove the exception part for MBS broadcast in flushing the soft buffers for all DL HARQ processes at MAR reset.

Proposal 2. Confirm that no change is needed for flushing HARQ buffers for MBS broadcast at TAT expiry.

Proposal 3. Check whether the term of HARQ buffer in MAC spec. indicates only HARQ buffer for UL HP or both HARQ buffer for UL HP and soft buffer for DL HP.

DISCUSSION (common for the two Tdocs above):

[R2-2209948](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209948%20Correction%20on%20HARQ%20buffer%20flushing%20of%20MBS%20broadcast.docx) Correction on HARQ buffer flushing of MBS broadcast Lenovo discussion Rel-17

[R2-2210575](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210575%2038.321%20CR%20Correction%20on%20the%20HARQ%20buffer%20flush%20for%20the%20MBS%20broadcast.docx) 38.321 CR Correction on the HARQ buffer flush for the MBS broadcast Beijing Xiaomi Software Tech draftCR Rel-17 38.321 17.2.0 F NR\_MBS-Core

*MRB type changes, online W1*

[R2-2210052](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210052%20Clarification%20on%20the%20PDCP%20state%20variables.docx) Clarification on the PDCP state variables Xiaomi discussion Rel-17 NR\_MBS-Core

Proposal 1: RAN2 is kindly requested to discuss whether a NOTE in the PDCP specification is needed to clarify that the MRB type is determined by the target configuration when the RLC entity associated to the PDCP entity is changed between UM and AM:

NOTE x: At PDCP re-establishment, the MRB type (i.e. UM MRB or AM MRB) is determined by the target configuration.‎

[R2-2210519](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210519%20Removal%20of%20concept%20of%20UM%20MRB%20and%20AM%20MRB.docx) Removal of concept of UM MRB and AM MRB LG Electronics Inc. discussion Rel-17 NR\_MBS-Core

Proposal 1: Remove the concept of UM MRB and AM MRB, and only use MRB in the PDCP specification.

DISCUSSION (common for the two Tdocs above):

*PDCP state variables handling, online W1*

[R2-2209551](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209551%20MBS%20Remaining%20PDCP%20Issues.docx) Remaining PDCP issues for MBS Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_MBS-Core

Proposal 1: Do not reset TX\_NEXT, RX\_NEXT and RX\_DELIV to the initial value when MRB PDCP is suspended.

Proposal 2: Continue PDCP COUNT when a deactivated MBS multicast session is activated.

Proposal 3: There is no need for configuration of initial value of RX\_DELIV when PDCP is re-established for AM MRB.

[R2-2209746](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209746%20PDCP%20initialisation%20for%20multicast%20MRB.doc) PDCP initialisation for multicast MRB ZTE, Sanechips discussion Rel-17 NR\_MBS-Core

Proposal 1 Change initialRXDELIV to an optional Need N parameter in RRC reconfiguration without condition limit.

DISCUSSION (common for the two Tdocs above):

[R2-2209417](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209417%20Handling%20of%20PDCP%20State%20Variables%20for%20PDCP.docx) Handling of PDCP State Variables vivo discussion Rel-17 NR\_MBS-Core

[R2-2209550](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209550%20Discussion%20on%20RX_DELIV%20for%20AM%20MRB.docx) Discussion on RX\_DELIV for AM MRB CATT discussion Rel-17 NR\_MBS-Core Late

[R2-2209657](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209657%20Discussion%20on%20AM%20PDCP%20re-establishment%20and%20PDCP%20suspend%20of%20MRB.docx) Discussion on PDCP window handling during PDCP suspend and AM PDCP re-establishment Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2209875](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209875%20PDCP%20initialization%20for%20multicast%20MRB.docx) PDCP initialization for multicast MRB MediaTek inc. discussion Rel-17 NR\_MBS-Core

[R2-2209910](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209910.docx) UP corrections for MBS Intel Corporation discussion Rel-17 NR\_MBS-Core

[R2-2209949](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209949%20Discussion%20on%20PDCP%20initial%20values%20handling.docx) Discussion on PDCP initial values handling Lenovo discussion Rel-17

[R2-2210609](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210609%20MBS%20PDCP%20Initial%20Variables.docx) PDCP Variable Handling for Multicast Samsung discussion Rel-17 NR\_MBS-Core

[R2-2210681](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210681%20CR%20to%20TS%2038.323%20on%20PDCP%20initialisation.docx) CR to TS 38.323 on PDCP initialisation ZTE, Sanechips CR Rel-17 38.323 17.2.0 0103 - F NR\_MBS-Core

*Withdrawn*

[R2-2209747](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209747%20CR%20to%20TS%2038.323%20on%20PDCP%20initialisation.docx) CR to TS 38.323 on PDCP initialisation ZTE, Sanechips CR Rel-17 38.323 17.2.0 0100 - F NR\_MBS-Core Withdrawn

***Treated directly via offline [603]***

*CSI masking*

[R2-2209438](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209438%20Considerations%20on%20HARQ%20buffer%20flushing%20and%20CSI%20masking.docx) Considerations on HARQ buffer flushing and CSI masking Samsung discussion Rel-17 38.321

*DRX*

[R2-2209656](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209656%20Clarifications%20on%20DRX%20and%20HARQ%20buffer%20handling.docx) Clarifications on DRX and HARQ buffer handling Huawei, CBN, HiSilicon discussion Rel-17 NR\_MBS-Core

[R2-2210592](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5C38.321_CR1437_%28Rel-17%29_R2-2210592%20Clarification%20on%20reception%20of%20DRX%20Command%20%20MAC%20CE.docx) Clarification on reception of DRX Command MAC CE LG Electronics Inc. CR Rel-17 38.321 17.2.0 1437 - F NR\_MBS-Core

[R2-2210684](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210684%20Correction%20to%20DRX%20command%20reception.docx) Correction to DRX command reception Google Inc. CR Rel-17 38.321 17.2.0 1441 - F NR\_MBS-Core

*Misc*

[R2-2209549](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209549%20Corrections%20to%20TS%2038%20321%20for%20MBS.doc) Corrections to TS 38.321 for MBS CATT CR Rel-17 38.321 17.2.0 1413 - F NR\_MBS-Core Late

## 8.11 Enhancements of NR Multicast and Broadcast Services

(NR\_MBS\_enh-Core; leading WG: RAN2; REL-18; WID: RP-221458)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

### 8.11.1 Organizational

LS in, rapporteur input etc.

[R2-2209356](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209356_S2-2207470.docx) LS on FS\_5MBS\_Ph2 progress (S2-2207470; contact: Huawei) SA2 LS in Rel-18 FS\_5MBS\_Ph2, NR\_MBS\_enh To:RAN2, RAN3 Cc:RAN1

[R2-2209664](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209664%20Consideration%20on%20replying%20to%20the%20SA2%20LS%20on%20MBS%20progress.docx) Consideration on replying to the SA2 LS on MBS progress Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

### 8.11.2 Multicast reception in RRC\_INACTIVE

Objective: Specify support of multicast reception by UEs in RRC\_INACTIVE state [RAN2, RAN3], PTM configuration for UEs receiving multicast in RRC\_INACTIVE state [RAN2]. Study the impact of mobility and state transition for UEs receiving multicast in RRC\_INACTIVE. (Seamless/lossless mobility is not required) [RAN2, RAN3].

Including aspects such as:

- how is PTM configuration delivered to the UE, how is the configuration updated (e.g. due to UE mobility), what does the configuration contain (e.g. compared to Rel-17 PTM configuration), mobility of the UE etc.

- service continuity during RRC states changes, how does the network indicate the UE to switch RRC state for multicast reception, notifications/group paging enhancements due to session activation/deactivation or due to Inactive mutlicast reception enable/disable by the network etc.

Report of [Post119-e][610][eMBS] PTM configuration for INACTIVE (CATT). The aspects covered by [Post119-e][610] e-mail discussion should not be repeated in the Tdocs

[R2-2210068](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210068.docx) Report of [Post119-e][610][eMBS] PTM configuration for INACTIVE (CATT) CATT discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209412](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209412%20Supporting%20Multicast%20Reception%20in%20RRC_INACTIVE.docx) Supporting Multicast Reception in RRC\_INACTIVE vivo discussion Rel-18 NR\_MBS\_enh-Core [R2-2207227](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2207227%20Supporting%20Multicast%20Reception%20in%20RRC_INACTIVE.docx)

[R2-2209449](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209449-multicast-rrc-inactive.docx) Multicast reception by UEs in RRC\_INACTIVE state Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209458](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209458%20Discussion%20on%20multicast%20reception%20in%20RRC_INACTIVE%20state.docx) Discussion on multicast reception in RRC\_INACTIVE state TD Tech Ltd, Chengdu TD Tech discussion Rel-18

[R2-2209513](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209513%20Discussion%20on%20multicast%20reception%20in%20RRC_INACTIVE%20state.doc) Discussion on multicast reception in RRC\_INACTIVE state OPPO discussion Rel-18 NR\_MBS\_enh

[R2-2209514](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209514-Draft%20LS%20on%20multicast%20reception%20in%20RRC_INACTIVE.doc) LS on multicast reception in RRC\_INACTIVE OPPO LS out Rel-18 NR\_MBS\_enh To:RAN1

[R2-2209533](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209533_MBS%20pre-configuration%20and%20PTM%20configuration%20in%20RRC_INACTIVE%20state.docx) MBS pre-configuration and PTM configuration in RRC\_INACTIVE state CANON Research Centre France discussion Rel-18

[R2-2209587](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209587%20Multicast%20Reception%20in%20RRC_INACTIVE.docx) Multicast Reception in RRC\_INACTIVE Samsung discussion Rel-18

[R2-2209613](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209613.docx) Session state change for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

[R2-2209614](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209614.docx) PTM configuration for UEs receiving Multicast in RRC\_INACTIVE state TCL Communication Ltd. discussion

[R2-2209623](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209623%20Discussion%20on%20multicast%20reception%20in%20RRC_INACTIVE.docx) Discussion on multicast reception in RRC\_INACTIVE NEC Europe Ltd discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209662](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209662%20PTM%20configuration%20and%20mobility.docx) Multicast reception for RRC\_INACTIVE Huawei, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209744](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209744%20Multicast%20reception%20in%20RRC_INACTIVE.doc) Multicast reception in RRC\_INACTIVE ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209806](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209806_%20Multicast%20reception%20in%20RRC_INACTIVE%20state_v0.doc) Multicast Reception in INACTIVE State Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209876](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209876%20Discussion%20on%20multicast%20reception%20in%20RRC%20INACTIVE.docx) Discussion on multicast reception in RRC INACTIVE MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209919](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209919%20Multicast%20reception%20in%20RRC_INACTIVE.doc) Multicast reception in RRC\_INACTIVE LG Electronics Inc. discussion Rel-18

[R2-2209946](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209946%20PTM%20configuration.docx) PTM configuration for multicast reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2209947](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209947%20Mobility%20and%20state%20transition.docx) Mobility and state transition for multicast reception in RRC\_INACTIVE Lenovo discussion Rel-18

[R2-2209988](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209988.doc) Discussion on Multicast Reception in RRC\_INACTIVE Spreadtrum Communications discussion Rel-18

[R2-2210026](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210026%20Considerations%20on%20the%20security%20issue%20for%20multicast%20MCCH.docx) Considerations on security issues for multicast MCCH Beijing Xiaomi Software Tech discussion Rel-18

[R2-2210066](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210066.docx) Discussion on multicast reception in RRC\_INACTIVE CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210114](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210114.docx) Discussion on supporting group scheduling for RRC\_INACTIVE UEs FGI discussion

[R2-2210132](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210132%20MBS%20Inactive%20Principles_final.docx) Multicast reception in RRC\_INACTIVE Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210146](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210146%20Discussion%20on%20multicast%20reception%20in%20RRC_INACTIVE.docx) Discussion on multicast reception in RRC\_INACTIVE CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210384](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210384.docx) Multicast reception in RRC\_INACTIVE Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210423](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210423%20%20PTM%20Configuration%20for%20RRC_INACTIVE.docx) PTM Configuration for RRC\_INACTIVE Sharp discussion

[R2-2210424](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210424%20%20Paging%20message%20for%20Multicast%20session%20received%20in%20RRC_INACTIVE.docx) Paging message for Multicast session received in RRC\_INACTIVE Sharp discussion

[R2-2210428](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210428_eMBS_multicast-inactive.doc) Details of multicast reception in RRC INACTIVE Kyocera discussion Rel-18

[R2-2210453](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210453.doc) Discussion on Mobility during Multicast Reception in RRC Inactive State TCL Communication Ltd. discussion Rel-18

[R2-2210458](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210458.doc) Discussion on RAN based Notification Area for Multicast Mobility in Inactive State TCL Communication Ltd. discussion Rel-18 [R2-2207191](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2207191.doc)

[R2-2210557](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210557_MBS%20support%20in%20RRC_INACTIVE.doc) Provision of reliable MBS in RRC\_INACTIVE InterDigital, Inc. discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210715](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210715%20MBS%20multicast%20reception%20in%20RRC_INACTIVE.docx) Service availability for mission critical UEs during RAN congestion Ericsson discussion Rel-18 NR\_MBS\_enh-Core

### 8.11.3 Shared processing for MBS broadcast and Unicast reception

Specify Uu signalling enhancements to allow a UE to use shared processing for MBS broadcast and unicast reception, i.e., ‎including UE capability and related assistance information reporting regarding simultaneous unicast reception in RRC\_CONNECTED and MBS broadcast reception from the same or different operators [RAN2]

[R2-2210385](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210385.docx) Shared processing for simultaneous MBS broadcast and Unicast reception Intel Corporation discussion Rel-18 NR\_MBS\_enh-Core

Proposal 1: LTE solution on shared processing for broadcast and unicast reception is the baseline for NR, i.e. 1) new IE is added in system information to control whether MBSInterestIndication for shared processing can be sent or not; 2) MBSInterestIndication message content and related procedure is updated for shared processing.

Proposal 2: If Proposal 1 is agreed, new IE to control whether MBSInterestIndication for shared processing can be sent or not is added to SIB1.

Proposal 3: If Proposal 1 is agreed, in MBSInterestIndication, for each broadcast service that the UE is receiving or is interested to receive, the following parameters are signalled: carrier frequency (ARFCN-ValueNR), subcarrier spacing, and bandwidth of the CFR (i.e. there is no need to include the whole channel bandwidth of a carrier frequency).

Proposal 4: If Proposal 1 is agreed, shared processing for broadcast and unicast reception is an optional feature without UE capability signalling.

[R2-2209413](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209413%20Supporting%20Shared%20Processing%20for%20MBS%20Broadcast%20and%20Unicast.docx) Supporting Shared Processing for MBS Broadcast and Unicast vivo discussion Rel-18 NR\_MBS\_enh-Core [R2-2207228](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2207228%20Supporting%20Shared%20Processing%20for%20MBS%20Broadcast%20and%20Unicast.docx)

[R2-2209448](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209448-MBS-capability-sharing.docx) Shared processing for MBS broadcast and unicast reception Qualcomm Incorporated discussion Rel-18 NR\_MBS\_enh-Core [R2-2208097](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2208097-MBS-capability-sharing.docx)

[R2-2209459](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209459%20CFR%20configuration%20for%20multicast%20reception%20in%20RRC_INACTIVE%20state.docx) CFR configuration for multicast reception in RRC\_INACTIVE state TD Tech Ltd, Chengdu TD Tech discussion Rel-18

[R2-2209624](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209624%20Discussion%20on%20shared%20process%20for%20unicast%20and%20broadcast%20reception.docx) Discussion on shared process for unicast and broadcast reception NEC Europe Ltd discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209663](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209663%20Discussion%20on%20shared%20processing%20for%20MBS%20broadcast%20and%20unicast%20reception.docx) Discussion on shared processing for MBS broadcast and Unicast reception Huawei, CBN, HiSilicon discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209745](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209745%20On%20signaling%20framework%20for%20shared%20processing.doc) On signaling framework for shared processing ZTE, Sanechips discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209807](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209807_%20Sharing%20processing%20of%20MBS%20broadcast%20and%20unicast%20reception_v0.doc) Sharing processing of MBS broadcast and unicast reception Apple discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209867](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209867%20MBS%20Shared%20Processing_final.docx) Shared Processing for MBS broadcast and unicast reception Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_MBS\_enh-Core

[R2-2209877](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209877%20Discussion%20on%20broadcast%20coexistence%20and%20signaling%20enhancement.docx) Discussion on broadcast coexistence and signaling enhancement MediaTek inc. discussion Rel-18 NR\_MBS\_enh-Core [R2-2207567](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2207567%20Discussion%20on%20broadcast%20coexistence%20and%20signaling%20enhancement.docx)

[R2-2209920](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209920%20Shared%20processing%20for%20broadcast%20and%20unicast.doc) Shared processing for broadcast and unicast LG Electronics Inc. discussion Rel-18

[R2-2209989](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2209989.doc) Discussion on shared processing for MBS broadcast and Unicast Reception Spreadtrum Communications discussion Rel-18

[R2-2210054](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210054%20Discussion%20on%20shared%20processing%20for%20MBS%20broadcast%20and%20unicast%20reception.docx) Discussion on shared processing for MBS broadcast and unicast reception Xiaomi discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210067](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210067.docx) Discussions on shared processing for MBS broadcast and unicast reception CATT, CBN discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210147](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210147%20Discussion%20on%20shared%20processing%20for%20broadcast%20and%20unicast%20reception.docx) Discussion on shared processing for broadcast and unicast reception CMCC discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210427](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210427_eMBS_shared-processing.doc) Shared processing for inter-PLMN MBS broadcast reception Kyocera discussion Rel-18 [R2-2208290](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2208290_eMBS_shared-processing.doc)

[R2-2210610](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210610%20MBS%20Uu%20Signaling.docx) Uu Signalling Enhancements for MBS Samsung discussion Rel-18 NR\_MBS\_enh-Core

[R2-2210716](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2210716%20MBS%20broadcast%20and%20unicast%20reception%20with%20shared%20resources.docx) MBS broadcast and unicast reception with shared resources Ericsson discussion Rel-18 NR\_MBS\_enh-Core [R2-2208092](file:///C%3A%5CUsers%5CDwx974486%5CDocuments%5C3GPP%5CExtracts%5CR2-2208092%20MBS%20broadcast%20and%20unicast%20reception%20with%20shared%20resources.docx)