3GPP TSG-RAN WG2 NR ASN.1 Ad-Hoc electronic R2-2xxxxxx

Online, April 20-22, 2022

Source: RAN2 Chairman (MediaTek)

Title: Agenda

# 1 Opening of the meeting

**This e-Meeting**

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

- RAN2 NR ASN.1 Ad-hoc electronic can approve and send LS outs, within the scope of the agenda of the ad-hoc.

- Decisions at RAN2 NR ASN.1 Ad-hoc electronic will be ratified at RAN2 118-e (by approval of notes from the Ad-hoc). CRs will not be agreed at this ad-hoc (can be endorsed, or agreed-in-principle), and need to be resubmitted to RAN2 118-e for final agreement.

## 1.1 Call for IPR

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| --- |
| 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 Organizational

The intended contents of this subclause is to gather instructions and references to useful information. Can submit procedural / organizational input. RAN2 Handbook: Latest revision in R2-2202103 where the subclause of ASN.1 review has not been updated for Rel-17, and in details is applicable to Rel-16, however procedure wise, ASN.1 review for Rel-17 is similar to Rel-16. Updated information provided also in the email discussion [Post117-e][901][NR17] NR ASN1 review (Ericsson).

[R2-2204300](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204300.zip) Agenda for RAN2 NR ASN.1 Ad-Hoc electronic Chairman agenda

# 3 NR UE capabilities

The intention is to have possibility to send LS out to ask questions to other WG on UE capabilities or UE features, if needed in order to complete Rel-17 NR UE capabilities. The contents of this Agenda Item depends on and is settled in the email discussion [Post117-e][903][NR17] NR UE capabilties (Intel). No other input is invited.

[R2-2204304](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204304.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.306) Intel Corporation draftCR Rel-17 38.306 17.0.0 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

[R2-2204305](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204305.zip) Release-17 UE capabilities based on R1 and R4 feature lists (TS38.331) Intel Corporation draftCR Rel-17 38.331 17.0.0 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

[R2-2204306](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204306.zip) UE capabilities requiring further feedback from RAN1 or RAN4 Intel Corporation discussion Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_pos\_enh, NR\_redcap, NR\_UE\_pow\_sav\_enh, NR\_cov\_enh, NR\_IAB\_enh, NR\_SL\_enh, NR\_MBS, NR\_DSS, LTE\_NR\_DC\_enh2, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_SmallData\_INACTIVE

[R2-2204307](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204307.zip) [Draft] Reply LS on updated Rel-17 RAN1 UE features list for NR Intel Corporation LS out Rel-17 NR\_feMIMO, NR\_ext\_to\_71GHz, NR\_IIOT\_URLLC\_enh, NR\_NTN\_solutions, NR\_pos\_enh, NR\_redcap, NR\_UE\_pow\_sav\_enh, NR\_cov\_enh, NR\_IAB\_enh, NR\_SL\_enh, NR\_MBS, NR\_DSS, LTE\_NR\_DC\_enh2, NR\_DL1024QAM\_FR1, NR\_RF\_FR1\_enh, NR\_SmallData\_INACTIVE To:RAN1

# 4 NR RRC ASN.1 Review

This Agenda Item represents the main contents and focus of this ad-hoc. The scope is: 38.331 and joint 38.331 36.331 issues: Multi-WI issues, general issues, particularly complex issues. The contents of this Agenda Item depends on and is settled in the email discussion [Post117-e][901][NR17] NR ASN1 review (Ericsson). The Rappo

rteur selects which RIL issues to treat (see the Schedule) and tdocs are invited for those issues. NOTE that WI-specific issues shall be submitted directly to R2 118-e.

Procedure

Q&A

38331 ASN1 Review

Rapporteur Input

[R2-2204333](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204333.zip) Rel-17 NR ASN1 Review file Ericsson Limited discussion

[R2-2204334](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204334.zip) Rel-17 NR ASN1 RIL List Ericsson Limited discussion

feMIMO issues / LS out

[R2-2204354](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204354.zip) [E010][E016]MIMIO relevant RIL OPPO discussion Rel-17

MGenh ToAddModlist structures and identities

[R2-2204302](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204302.zip) [E033][E034] MGenh ToAddModlist structures and identities Ericsson discussion Rel-17 NR\_MG\_enh-Core

[R2-2204314](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204314.zip) [H652][H649][E033][E034] Discussion on MGE ToAddModList structures and identities Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

[R2-2204329](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204329.zip) [E033][E034][H652] MGenh ToAddModlist structures and identities ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core

Merged handling of Meas Gaps and Pos gaps

[R2-2204347](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204347.zip) discussion on merged handling of Meas Gaps and Pos gaps vivo discussion Rel-17 NR\_MG\_enh-Core

[R2-2204312](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204312.zip) [M607][Z141][H566][H567] Clarification on preconfigured positioning gap MediaTek Inc., ZTE Corporation draftCR Rel-17 38.331 17.0.0 F NR\_MG\_enh-Core, NR\_pos\_enh-Core

[R2-2204318](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204318.zip) [H581][Z141][M607] Correction for pre-configured MG for POS Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_pos\_enh-Core, NR\_MG\_enh-Core

[R2-2204316](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204316.zip) [H566][H567] Correction for Location Measurement Indication Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_pos\_enh-Core, NR\_MG\_enh-Core

PUSCH-TimeDomainResourceAllocationList merging issue

[R2-2204346](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204346.zip) [E057] Coverage enhancement TDRA table Ericsson discussion NR\_cov\_enh

PDSCH-TimeDomainResourceAllocationList merging issue

[R2-2204301](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204301.zip) PDSCH-TimeDomainResourceAllocationList merging issue [Q300] [Q301] [Q302] Qualcomm Incorporated discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_MBS-Core

[R2-2204341](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204341.zip) PDSCH-TimeDomainResourceAllocationList and PUSCH-TimeDomainResourceAllocationList merging issue (RIL: Q300, E057) Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_cov\_enh-Core

Extension of FeatureCombination in RICS

[R2-2204338](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204338.zip) [E126] Future extension of FeatureCombination Ericsson discussion Rel-17 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\_SL\_relay-Core

[R2-2204340](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204340.zip) Extension of FeatureCombination IE (RIL: E126) Huawei, HiSilicon discussion Rel-17 NR\_SmallData\_INACTIVE-Core, NR\_cov\_enh-Core, NR\_redcap-Core, NR\_slice-Core

Extension of SIBs

I013: SIB1: featurePriorities - remove extension marker

I014: SIB1: SDTConfigCommonSIB – remove extension marker, new field for extension instead.

B002: SIB17: Remove extension marker from IE TRS-ResourceSet-r17

[R2-2204349](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204349.zip) [N011][N016] SIB extensions Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

General use of extension marker

[R2-2204336](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204336.zip) [E108] General use of extension markers in RRC Ericsson discussion Rel-17 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

[R2-2204342](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204342.zip) [E108] Usage of extension markers Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core, LTE\_NR\_DC\_enh2-Core, LTE\_NR\_MUSIM-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_SmallData\_INACTIVE-Core, NR\_SL\_relay-Core, NR\_slice-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_QoE-Core, NR\_SL\_enh-Core, NG\_RAN\_PRN\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_ext\_to\_71GHz-Core, NR\_MG\_enh-Core

V160 6.5 Existing SI modification indication, Proposed to clarify that this is not for eDRX

Setup Release

[R2-2204335](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204335.zip) RIL E007, Set Modify Release structure Ericsson Limited discussion

[R2-2204343](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204343.zip) [E007] Usage of SetupRelease Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core, LTE\_NR\_DC\_enh2-Core, LTE\_NR\_MUSIM-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_SmallData\_INACTIVE-Core, NR\_SL\_relay-Core, NR\_slice-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_QoE-Core, NR\_SL\_enh-Core, NG\_RAN\_PRN\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_ext\_to\_71GHz-Core, NR\_MG\_enh-Core

I043: ServingCellConfig: additionalPCIList-r17, big field: use setuprelease with need code M to allow delta config.

Delta signalling other

[R2-2204303](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204303.zip) [RIL I005] Need code for IIOT time reference information in DL Information transfer Intel Corporation discussion Rel-17 38.331 NR\_IIOT\_URLLC\_enh-Core

X605, I041 Delta sign

[R2-2204339](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204339.zip) Delta signalling issues (RIL: I005, E007, X605, I041, I043) Huawei, HiSilicon discussion Rel-17 NR\_feMIMO-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_NTN\_enh-Core

IMPORTS to RRC module

[R2-2204322](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204322.zip) [E124][E125] Discussion on the IMPORT into NR RRC module Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core

[R2-2204337](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204337.zip) [E124][E125] Imports of PC5 info into the RRC module Ericsson discussion Rel-17 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

Need Codes and optional fields for PC5

[R2-2204321](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204321.zip) [H634] Correction for the need code and conditions for optional fields in PC5 RRC message Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SL\_relay-Core, NR\_SL\_enh-Core

Introduction of new IE sections

I016: pci-arfcn-r17 is used in mutiple places, Proposal to define an IE.

[R2-2204352](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204352.zip) [N108] Shotgun coding in L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

[R2-2204319](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204319.zip) [H585] Correction for new IE for TimeAlignmentTimer Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_pos\_enh-Core

H008 General on Need codes

[R2-2204344](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204344.zip) [H008][E010] Various questions about fields in extension addition groups Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core, LTE\_NR\_DC\_enh2-Core, LTE\_NR\_MUSIM-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_SmallData\_INACTIVE-Core, NR\_SL\_relay-Core, NR\_slice-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_QoE-Core, NR\_SL\_enh-Core, NG\_RAN\_PRN\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_ext\_to\_71GHz-Core, NR\_MG\_enh-Core

N104 General on Need codes

[R2-2204350](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204350.zip) [N104] Using Need S and Need R Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

[R2-2204345](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204345.zip) [N104] Need R vs. Need S Huawei, HiSilicon discussion Rel-17 NR\_MBS-Core, LTE\_NR\_DC\_enh2-Core, LTE\_NR\_MUSIM-Core, NR\_IAB\_enh-Core, NR\_IIOT\_URLLC\_enh-Core, NR\_SmallData\_INACTIVE-Core, NR\_SL\_relay-Core, NR\_slice-Core, NR\_UE\_pow\_sav\_enh-Core, NR\_NTN\_solutions-Core, NR\_pos\_enh-Core, NR\_redcap-Core, NR\_ENDC\_SON\_MDT\_enh-Core, NR\_QoE-Core, NR\_SL\_enh-Core, NG\_RAN\_PRN\_enh-Core, NR\_feMIMO-Core, NR\_cov\_enh-Core, NR\_ext\_to\_71GHz-Core, NR\_MG\_enh-Core

F002 feMIMO/DCenh complex issue

*ServingCellConfig: tciInfo*

*[Description]: in DC enhancement, RAN2 agreed to perform BFD on the PSCell after SCG is deactivation if the network configures it. In addition, as shown in the field description, the UE shall use the previously activated TCI states for PDCCH as RS for BFD, if no RS if configured. However, in feMIMO, TRP of non-serving cell can be used. This means that the previously activated TCI states for PDCCH can come from non-PSCell. In this case, we think that the UE will not perform BFD .*

*[Proposed Change]: if bfd-and-RLM is configured and no RS is configured in RadioLinkMonitoringConfig for BFD, the UE shall use the previously activated TCI states for PDCCH on the PSCell as RS for BFD. For example:*

*tci-Info*

*…*

*If configured for the PSCell when the SCG is indicated as deactivated in the containing message:  
…  
- if bfd-and-RLM is configured and no RS is configured in RadioLinkMonitoringConfig for RLM, respectively for BFD, the UE shall use the indicated TCI states for PDCCH on the PSCell as RS for RLM, respectively for BFD.*

*When this field is absent for the PSCell and the SCG is being deactivated:  
…..  
- if bfd-and-RLM is configured and no RS is configured in RadioLinkMonitoringConfig for RLM, respectively for BFD, the UE shall use the previously activated TCI states for PDCCH on the PSCell as RS for RLM, respectively for BFD.*

I034 New version of field vs NCE of existing field

*PDCCH-Config: monitoringCapabilityConfig-r17*

*[Description]: This is done as a critical extension. An NCE with just r17monitoringcapability would have been sufficient as the original field is also optional*

*[Proposed Change]: Define as an NCE with just r17monitoringcapability*

V167 Use of spare bit

*[Description]: Spare bit in RRCSetupRequest*

*[Proposed Change]: The spare bit in RRCSetupRequest was reserved for future use. The current specification doesn’t specify the value for this spare bit, i.e. UE could set either 0 or 1 for this bit. In case we want to use this spare bit in future, but the gNB cannot be aware the Release of the UE during RRC set up. So the gNB has no idea whether needs to decode this bit.*

*While in Rel-17 RedCap, this spare bit is also reserved, but there is still no default value definition for this bit. Considering there is early identification in RedCap, i.e. NW could identify the UE type during RRC setup, which is mandatory for RedCap UEs, in this case, a default value (e.g. value 0) for this spare bit could be set for RedCap UEs, while the other value (e.g. value 1) could be used in future for other UEs.*

*Thus, the proposed change is to set a default value for RedCap UEs. Details could be found in the contribution R2-22xxxx.*

*[Comments]: Rapp: From 38331 8.4: “A transmitter compliant with this version of the specification shall set spare bits to zero.“. Rapporteur understands there is nothing needed in Rel-17*

B102 OPTIONAL vs Mandatory

*[Description]: If ReconfigurationWithSync including sl-PathSwitchConfig is configured to a remote UE, UE will perform path switching to a relay UE and start Txxx rather than T304. Therefore, in this case, T304 is not needed. Thus, T304 should be changed from ‘mandatory’ to ‘optional’*

*[Proposed Change]: OPTIONAL should be added for t304*

B100 Usage of SIB1 vs other SIB

[R2-2204328](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204328.zip) [B100] Usage of SIB1 or other SIB12 ZTE, Sanechips discussion Rel-17

H020 Suffix v1700 or r17

*ConfiguredGrantConfig: noOfHARQ-ProcessesExt-r17*

*[Description]: This extends an existing field, so the suffix should be v1700*

*[Proposed Change]: Change the suffix to v1700.*

NTN

[R2-2204313](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204313.zip) [RIL C214]Discussion and TP on the configuration of ntn-Config CATT discussion Rel-17 38.331 NR\_NTN\_solutions-Core

SL relay – SIB request

[R2-2204320](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204320.zip) [H629] Correction for SI request for posSIB for SL remote UE Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_pos\_enh-Core, NR\_SL\_relay-Core Revised

[R2-2204348](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204348.zip) [H629] Correction for SI request for posSIB for SL remote UE Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_pos\_enh-Core, NR\_SL\_relay-Core [R2-2204320](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204320.zip)

[R2-2204327](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204327.zip) [Z670] Correction on remote UE SIB request ZTE, Sanechips discussion Rel-17

SL relay – SL DRX etc

[R2-2204308](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204308.zip) [H675] Correction on relay link DRX configuration Huawei, HiSilicon CR Rel-17 38.331 17.0.0 2971 - F NR\_SL\_enh-Core, NR\_SL\_relay-Core

[R2-2204331](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204331.zip) [H675,Z676]CR on sidelink UE information for eSL and SL relay ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_SL\_enh-Core

SL relay – SL Discovery resource

[R2-2204323](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204323.zip) [V380] On the applicability of power-saving resource allocation to NR SL discovery vivo discussion NR\_SL\_enh-Core, NR\_SL\_relay-Core

[R2-2204309](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204309.zip) [V380] Correction on SL discovery transmission resource pool configuration Huawei, HiSilicon CR Rel-17 38.331 17.0.0 2972 - F NR\_SL\_enh-Core, NR\_SL\_relay-Core

Pos and SDT

[R2-2204317](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204317.zip) [H572] Correction for beam consolidation for TA validation in INACTIVE Huawei, HiSilicon draftCR Rel-17 38.331 17.0.0 F NR\_SmallData\_INACTIVE-Core, NR\_pos\_enh-Core

SL relay – others

[R2-2204326](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204326.zip) [Z657] [Z658] [Z659] Correction on the Sidelink discovery transmission ZTE, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

[R2-2204315](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204315.zip) [RIL C122]Conditions of RemoteUEInformationSidelink Transmission CATT discussion Rel-17 38.331 NR\_SL\_relay-Core

[R2-2204332](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204332.zip) [Z684]Correction on Destination ID list ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

IAB

[R2-2204324](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204324.zip) [Z630]Correction on configuration of availability indication per RB set group in 38.331 ZTE, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_IAB\_enh-Core

[R2-2204325](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204325.zip) [Z629][Z631][Z632]Correction on F1-C transfer in IAB CP-UP separation in 38.331 ZTE, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_IAB\_enh-Core

Redcap

[R2-2204353](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204353.zip) [FW001] RRC correction for RedCap Futurewei Technologies discussion Rel-17 NR\_redcap-Core

36331 ASN1 review

Rapporteur Input

[R2-2204310](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204310.zip) ASN.1 Review File (LTE) Samsung Electronics draftCR Rel-17 36.331 17.0.0 F TEI17 Late

[R2-2204311](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204311.zip) LTE Rel-17 ASN.1 Review, Class 0 issues Samsung Electronics report Rel-17 Late

H201 Extension LoggedEventTriggerConfig-r17:

*whether to add the extension marker for future extension. Plus, it seems no need to define EventType-r17 i.e. CHOICE structure of EventType-r17 can be directly implemented in LoggedEventTriggerConfig-r17.*

B001 Extension SIB32: SatelliteInfo-r17:

*Extension marker should not be used in list elements if they are broadcast in SIB since it costs approx. 3 bytes overhead per list element. Further extensions should be introduced using parallel lists.*

H008, H009, Global IEs:

*Proposal to Define the global IE for offsetThresholdTA-r17 and sr-ProhibitTimerExt-r17: they have the same value range in eMTC and NB-IoT.*

H110 Group IE

*Define measParameters-v1700 in UE-Capability-NB-v1700-IEs, and move the fields connModeMeasIntraFreq-r17 and connModeMeasInterFreq-r17 to measParameters-r17. [Comments] [Lenovo] Agree but suffix of measParameters-r17 / MeasParameters-NB-r17 should be “-v1700”. Huawei-v19: Disagree with Leneovo. There is no previous version of measParameters. [Lenovo-v20] There is a previous version meas-Parameters-r16 / Meas-Parameters-NB-r16.*

B002 Need Code ConnMeasConfig-NB-r17: s-MeasureInter-r17

*[Description]: Need code s-MeasureInter-r17 is set to Need OP but in the description the UE behaviour when the field is absent is missing.*

*[Proposed Change]: Replace “Need OP” with “Need OR”.*

*[Comments]: Huawei0v19: Disagree. Should be OP and behaviour in absence (use value of s-MeasureIntra) specified in filed decsription*

H010 Need Code

*[Description]: sr-ProhibitTimerExt-r17 is defined as OPTIONAL Need OP. It should be Need OR to allow deconfiguration*

*[Proposed Change]: Change need OP to Need OR*

H011 Need Code PhysicalConfigDedicated: pusch-ConfigDedicated-v1700 and pucch-ConfigDedicated-v1700

*[Description]: the two parameters should be NEED ON*

*[Proposed Change]: Change to NEED ON*

H018 Need Code sr-ProhibitTimerExt-r17

*[Description]: Should be Need OR to allow deconfiguration*

*[Proposed Change]: Change to Need OR*

H105 Need code nrs-PowerRatio-r17

*[Description]: Need code is missing*

*[Proposed Change]: Add Need OR – see H106*

Withdrawn

R2-2204330 [Z606] Discussion on SDAP for NR MBS ZTE, Sanechips discussion Rel-17 Withdrawn

[R2-2204351](file:///C:\Users\mtk65284\Documents\3GPP\tsg_ran\WG2_RL2\TSGR2_118\Docs\R2-2204351.zip) [N108] Shotgun coding in L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Withdrawn

# 5 Other

Any other business, if needed, restricted to finalization of Rel-17 of RAN2 CP protocols.