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

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| 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 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 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 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 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 [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 Rapporteur 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.

R2-2204301 PDSCH-TimeDomainResourceAllocationList merging issue [Q300] [Q301] [Q302] Qualcomm Incorporated discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_MBS-Core

R2-2204302 [E033][E034] MGenh ToAddModlist structures and identities Ericsson discussion Rel-17 NR\_MG\_enh-Core

R2-2204303 [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

R2-2204308 [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

R2-2204309 [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

R2-2204310 ASN.1 Review File (LTE) Samsung Electronics draftCR Rel-17 36.331 17.0.0 F TEI17 Late

R2-2204311 LTE Rel-17 ASN.1 Review, Class 0 issues Samsung Electronics report Rel-17 Late

R2-2204312 [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

R2-2204313 [RIL C214]Discussion and TP on the configuration of ntn-Config CATT discussion Rel-17 38.331 NR\_NTN\_solutions-Core

R2-2204314 [H652][H649][E033][E034] Discussion on MGE ToAddModList structures and identities Huawei, HiSilicon discussion Rel-17 NR\_MG\_enh-Core

R2-2204315 [RIL C122]Conditions of RemoteUEInformationSidelink Transmission CATT discussion Rel-17 38.331 NR\_SL\_relay-Core

R2-2204316 [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

R2-2204317 [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

R2-2204318 [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

R2-2204319 [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

R2-2204320 [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

R2-2204321 [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

R2-2204322 [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

R2-2204323 [V380] On the applicability of power-saving resource allocation to NR SL discovery vivo discussion NR\_SL\_enh-Core, NR\_SL\_relay-Core

R2-2204324 [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 [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

R2-2204326 [Z657] [Z658] [Z659] Correction on the Sidelink discovery transmission ZTE, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2204327 [Z670] Correction on remote UE SIB request ZTE, Sanechips discussion Rel-17

R2-2204328 [B100] Usage of SIB1 or other SIB12 ZTE, Sanechips discussion Rel-17

R2-2204329 [E033][E034][H652] MGenh ToAddModlist structures and identities ZTE Corporation, Sanechips discussion Rel-17 NR\_MG\_enh-Core

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

R2-2204331 [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

R2-2204332 [Z684]Correction on Destination ID list ZTE Corporation, Sanechips draftCR Rel-17 38.331 17.0.0 NR\_SL\_relay-Core

R2-2204333 Rel-17 NR ASN1 Review file Ericsson Limited discussion

R2-2204334 Rel-17 NR ASN1 RIL List Ericsson Limited discussion

R2-2204335 RIL E007, Set Modify Release structure Ericsson Limited discussion

R2-2204336 [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

R2-2204337 [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

R2-2204338 [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

R2-2204339 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

R2-2204340 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

R2-2204341 PDSCH-TimeDomainResourceAllocationList and PUSCH-TimeDomainResourceAllocationList merging issue (RIL: Q300, E057) Huawei, HiSilicon discussion Rel-17 NR\_ext\_to\_71GHz-Core, NR\_cov\_enh-Core

R2-2204342 [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

R2-2204343 [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

R2-2204344 [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

R2-2204345 [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

R2-2204346 [E057] Coverage enhancement TDRA table Ericsson discussion NR\_cov\_enh

R2-2204347 discussion on merged handling of Meas Gaps and Pos gaps vivo discussion Rel-17 NR\_MG\_enh-Core

R2-2204348 [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

R2-2204349 [N011][N016] SIB extensions Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

R2-2204350 [N104] Using Need S and Need R Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

R2-2204351 [N108] Shotgun coding in L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17 Withdrawn

R2-2204352 [N108] Shotgun coding in L1 parameters Nokia, Nokia Shanghai Bell discussion Rel-17 TEI17

R2-2204353 [FW001] RRC correction for RedCap Futurewei Technologies discussion Rel-17 NR\_redcap-Core

R2-2204354 [E010][E016]MIMIO relevant RIL OPPO discussion Rel-17

# 5 Other

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