3GPP TSG-RAN WG3 Meeting #129 R3-25xxxx

Bengaluru, India, 25 – 29 August 2025

**Agenda Item:** 3

**Source:** RAN3 Chair

**Title:** Agenda

**Document for:** Approval

**Tdoc submission deadline: Friday August 15th, 2025, 07:00 UTC**

**Meeting registration deadline: Monday August 18th, 2025, 03:30 UTC**

# Agenda

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| **Tdoc** | **Title** | **Comments** |
| 1. Opening of the meeting  |
| 2. Reminders |
| 2.1. IPR Declaration[*https://www.3gpp.org/about-us/legal-matters/call-for-ipr*](https://www.3gpp.org/about-us/legal-matters/call-for-ipr) |
| I draw your attention to your obligations under the 3GPP Partner Organizations’ IPR policies. Every Individual Member organization is obliged to declare to the Partner Organization or Organizations of which it is a member any IPR owned by the Individual Member or any other organization which is or is likely to become essential to the work of 3GPP.Delegates are asked to take note that they are thereby 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 Information Statement and the Licensing declaration forms (see: <http://ipr.etsi.org/>).
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| 2.2. Statement of Antitrust Compliance[*https://www.3gpp.org/about-us/legal-matters/statement-regarding-competition-law*](https://www.3gpp.org/about-us/legal-matters/statement-regarding-competition-law) |
| I also draw your attention to the fact that 3GPP activities are subject to all applicable antitrust and competition laws and that compliance with said laws is therefore required of any participant of this TSG/WG/SWG meeting including the Chair and Vice Chairs. In case of question I recommend that you contact your legal counsel.The leadership shall conduct the present meeting with impartiality and in the interests of 3GPP.Furthermore, I would like to remind you that timely submission of work items in advance of TSG/WG/SWG meetings is important to allow for full and fair consideration of such matters. |
| 2.3. Consensus Principles |
| The attention of the delegates to the meeting is drawn to the fact that 3GPP endeavours to reach consensus on all decisions and therefore depends on a cooperative spirit of the Individual Members. In particular, Individual Members are encouraged to seek a consensus-based solution and only to sustain objections as a very last resort, and where absolutely necessary and well justified. The leadership will conduct the present meeting in a manner whereby informal methods of reaching consensus are encouraged, whilst ensuring that well justified concerns are taken into account. |
| 2.4. Responsible IT Behavior[*http://www.3gpp.org/ftp/PCG/PCG\_27/DOCS/PCG27\_13r1.zip*](http://www.3gpp.org/ftp/PCG/PCG_27/DOCS/PCG27_13r1.zip) |
| We all share meeting IT resources with one another. Delegates should restrict their IT usage to things which are essential for the meeting, and they:1. shall not use the network to engage in illegal activities. This includes activities such as copyright violation, hacking, espionage or any other activity that may be prohibited by local laws.
2. shall not engage in non-work-related activities that consume excessive bandwidth or cause significant network performance degradation.

And most importantly:**1. DON’T place your WiFi device in ad-hoc mode;****2. DON’T set up a personal hotspot in the meeting room;****3. DO try 802.11a if your device supports it;****4. DON’T manually allocate an IP address;****5. DON’T stream video, play online games, or download huge files;****6. DON’T use packet probing software (e.g., packet sniffers or port scanners) which clogs the local network.** |
| 2.5. Additional reminders |
| **This is an ordinary face-to-face meeting with 1-way remote access.**1. All agreed TDocs must be provided during the meeting week, i.e., BEFORE the end of the meeting. In order to continue with the principle of “agreed unseen”, please ensure that all such TDocs are uploaded in time and reflect exactly the agreed changes.2. During physical meetings, prefer face-to-face offline discussion to e-mail discussion.3. When a CB is set up, e.g.:**CB: # 1\_Name****- topics of the offline discussion**(Company Owner - moderator)Rev in R3-xxxxxxSummary of offline disc R3-xxxxxy1. Create a folder in “Inbox/Drafts/**1\_Name**” with the assigned CB number (**1**) and name;
2. Upload all drafts, corrections, revisions, etc. in the same folder “Inbox/Drafts/**1\_Name**”;
3. Avoid sending drafts via e-mail or on the reflector!
4. When sending e-mails, do not attach any document, and please minimize e-mail discussion (e.g. it is enough to announce start of discussion, availability of drafts on server, support for a document, discussion conclusion).
5. It is highly beneficial if the summary of offline discussion contains proposals for “official” group conclusions, e.g. “propose to agree R3-xxxxxx”, “propose to agree that….”, “no agreement”, “to be continued”, etc.

4. To encourage the use of pCRs, if there are discussion papers and pCRs from the same company on the same topic, only the pCRs will be treated.5. Papers submitted to the wrong AI will not be treated.6. When subsections are available, please do not submit papers to the “top level” AI. If you think none of the available subsections fits your contribution, then it should go to the “Others” subsection. Any papers submitted to the “top level” AIs should not be expected to be treated.7. To save time, incoming LSs which have no action for RAN3 will not be treated unless they are flagged to the Chair before the start of the meeting.8. QUOTAS – When a quota is indicated for an Agenda Item, each company may submit up to that number of contributions in total across all its sub-Agenda Items. Please refer to the example at the end of this document. Quota rules are to be maintained [R3-221096](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_114bis-e/Inbox) (revised from [R3-200133](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_107_e/Docs)) and continue to be the basis for working with quotas in RAN3.9. RAN3 breakout room: Only a CB moderator or SI/WI rapporteur may request the RAN3 breakout room (via MCC), and should follow these guidelines to ensure fair access:1. The offline session time slot should be announced via the RAN3 email reflector.
2. The maximum total duration of all CBs for a given SI/WI is 2 hours.
3. 1-way remote access may be provided via GoToWebinar (GTW), on a best-effort basis.

Some suggestions for better RAN3 meetings can also be found [here](http://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_AHGs/R3_AH_NR_1706/Docs/R3-172219.zip). |
| 3. Approval of the Agenda |
| [R3-255001](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255001.zip) | RAN3#129 Meeting Agenda (RAN3 Chair) | agenda **Approved** |
| 4. Approval of the minutes from previous meetings |
| [R3-255002](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255002.zip) | RAN3#128 Meeting Report (ETSI-MCC) | report **Approved** |
| 5. Documents for immediate consideration*Recording of GoToWebinar/GotoMeeting sessions of the present meeting is strictly prohibited. No individual or entity - including the speakers and/or the authors -may electronically record any portion of the meeting without prior written consent of the Chair and all the meeting participants.**Recording of voice or video at meetings is not used in 3GPP; this applies also to e-Meeting.* |
| [R3-255003](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255003.zip) | Guidelines for RAN3 Meetings (RAN3 Chair, RAN3 Vice-Chairs) | discussionNoted |
| 6. Organizational topics*RAN3 Vice Chair election will take place on Wednesday August 27th (*[*candidates*](https://portal.3gpp.org/VotingTool/Vote/DetailList/1183)*). Further information can be found* [*here*](https://www.3gpp.org/ftp/TSG_RAN/WG3_Iu/TSGR3_129/Inbox/Chairs_Notes/RAN3%23129_election_guidance_v2.docx)*.* |
| [R3-255141](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255141.zip) | TDoc Quota Rules (RAN3 Chair) | discussion |
| 7. General, protocol principles and issues*RAN3 Work Plan and Working Procedures:* [*TR 30.531*](http://www.3gpp.org/DynaReport/30531.htm)*MCC allocates protocol IE IDs, checking with Rapporteurs during CR implementation phase**LS reply to CT4 on IANA port allocation agreed in* [*R3-2**1**2800*](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_112-e/Docs/R3-212800.zip)*Reply LS on Tracking IANA assignment requests in* [*R3-2**3**0802*](https://www.3gpp.org/ftp/tsg_ran/WG3_Iu/TSGR3_119/Inbox/R3-230802.zip) |
| [R3-255004](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255004.zip) | TR 30.531 v1.59.0 Work Plan and Working Procedures - RAN WG3 (ETSI-MCC) | draft TR **Endorsed** |
| 8. Incoming LSs |
| 8.1. New Incoming LSs |
| **7 MHz channel bandwidth** |
| [R3-255017](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255017.zip) | Reply LS to RAN2 on Signalling for 7 MHz Channel Bandwidth (RAN4(T-Mobile)) | LS inR19, ccNoted |
| [R3-255339](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255339.zip) | Signalling for 7 MHz Channel Bandwidth (Huawei) | discussionNoted |
| [R3-255340](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255340.zip) | Introduction of 7 MHz Channel Bandwidth (Huawei) | CR1505r, TS 38.423 v18.6.0, Rel-19, Cat. B* Add Nokia, E///, ZTE, Qualcomm, Samsung

Rev in [R3-255752](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255752.zip) **Technically Endorsed** |
| [R3-255341](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255341.zip) | Introduction of 7 MHz Channel Bandwidth (Huawei) | CR1580r, TS 38.473 v18.6.0, Rel-19, Cat. B* Add Nokia, E///, ZTE, Qualcomm, Samsung

Rev in [R3-255753](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255753.zip) **Technically Endorsed** |
| [R3-255342](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255342.zip) | [draft] Reply LS on Signalling for 7 MHz Channel Bandwidth (Huawei) | LS out To: RAN4 CC: RAN2 |
| [R3-255144](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255144.zip) | Introduction of 7MHz channel bandwidth (ZTE Corporation) | CR1501r, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255145](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255145.zip) | Introduction of 7MHz channel bandwidth (ZTE Corporation) | CR1576r, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255146](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255146.zip) | [Draft] Reply LS on Signalling for 7 MHz Channel Bandwidth (ZTE Corporation) | LS out To: RAN4, RAN2 CC:  |
| [R3-255303](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255303.zip) | Discussion on 7MHz channel bandwidth (Nokia) | discussion |
| [R3-255304](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255304.zip) | TP (BL CR TS38.473) Support for 7MHz transmission bandwidth (Nokia, T-Mobile USA) | other |
| [R3-255308](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255308.zip) | TP (BL CR TS38.423) Support for 7MHz transmission bandwidth (Nokia, T-Mobile USA) | other |
| Introduce a new value of 35 RB to the NR Transmission Bandwidth IE in XnAP and the Transmission Bandwidth IE in F1AP, according to the newly approved value in TS 38.104.The introduction of 35 PRB transmission bandwidth over network interfaces starts from R19.RAN3 to send reply LS to RAN4 to inform the introduced new value of transmission bandwidth over Xn interface and F1 interface, with RAN plenary in the CC.Nok, ZTE: CRs looks agreeableE///: Should we wait to agree to the CRs after RAN4 agreement?QC: How do we handle early implementation (pre-R19 UEs)?E///: We do not have magic sentence in RAN3 for early implementation. |
| **Emergency call back and paging** |
| [R3-255022](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255022.zip) | Reply LS on emergency call back and paging (SA2(Qualcomm)) | LS inR17Noted |
| [R3-255552](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255552.zip) | Discussion on the LS from SA2 on emergency call back and paging (Ericsson) | discussionNoted |
| [R3-255553](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255553.zip) | Clarification on emergency call back and UE RRC state (Ericsson) | draftCRNoted |
| [R3-255554](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255554.zip) | Clarification on emergency call back and UE RRC state (Ericsson) | draftCR |
| [R3-255555](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255555.zip) | [DRAFT] Reply LS on emergency call back and paging (Ericsson) | LS out To: SA2 CC: RAN2, CT1, RAN |
| [R3-255222](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255222.zip) | Handling of Emergency call back and Paging (Nokia) | discussion |
| [R3-255223](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255223.zip) | Response LS on Emergency call back and paging (Nokia) | LS out To: SA2 CC:  |
| [R3-255235](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255235.zip) | Emergency call back and paging (Huawei) | discussion |
| [R3-255236](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255236.zip) | [draft] Reply LS on emergency call back and paging (Huawei) | LS out To: SA2 CC: RAN2, CT1 |
| [R3-255259](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255259.zip) | Further discussion on emergency call back and paging (ZTE Corporation) | discussion |
| [R3-255260](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255260.zip) | [Draft] Reply LS on emergency call back and paging (ZTE Corporation) | LS out To: SA2 CC: CT1, RAN2, TSG RAN |
| [R3-255309](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255309.zip) | [Draft] Reply LS on emergency call back and paging (Qualcomm India Pvt Ltd) | LS out To: SA2 CC: CT1, RAN2, RANmoved from 9.2 |
| Q1：Is it possible to have different behaviour in NG-RAN node depending on the presence of the emergency PDU session to decide when to release RRC connection, compared to when there is no emergency PDU session? 🡺 YES, with further explanationQ2: If yes, when the emergency PDU session exist, whether it is required to configure the NG-RAN to not release RRC connection until the emergency PDU session is released by the SMF? 🡺 NO, with further explanationNok: The wording in E/// CR is still incomplete, all RRC states are allowed.QC: Release to RRC\_IDLE does not seem sensibleZTE: CR does not seem needed, it is all up to implementationHW: CR seems to overspecifySS: CR is fine since it aligns with RAN2 LS **CB: # 1\_EmergencyCallBack****- Further discussion whether clarifying the Note is agreeable****- Reply LS, YES/NO with suitable clarifications****- Mirror note in 36.300 in R3-255557 from Rel-17**(Qualcomm) |
| **MBS communication service type** |
| [R3-255028](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255028.zip) | Draft LS to RAN3 on MBS Communication Service Type (SA4(Nokia)) | LS inR18Noted |
| [R3-255166](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255166.zip) | Discussion and Draft Reply LS on MBS Communication Service Type for QMC (Ericsson) | discussionRev in [R3-255756](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255756.zip)Noted |
| [R3-255167](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255167.zip) | MBS Communication Service Type for QMC (Ericsson) | CR1287r, TS 38.413 v18.6.0, Rel-18, Cat. FRev in [R3-255755](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255755.zip) |
| [R3-255168](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255168.zip) | MBS Communication Service Type for QMC (Ericsson) | CR1502r, TS 38.423 v18.6.0, Rel-18, Cat. FRev in [R3-255754](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255754.zip) |
| [R3-255584](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255584.zip) | Discussion on MBS Communication Service Type for QMC (Nokia) | discussionNoted |
| [R3-255585](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255585.zip) | [Draft] Reply LS on MBS Communication Service Type for QMC (Nokia) | LS out To: SA4, RAN2 CC: SA5 |
| [R3-255676](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255676.zip) | Discussion on MBS Communication Service Type (Huawei) | discussionNoted |
| [R3-255677](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255677.zip) | Clarification on MBS communication service type for QMC configuration (Huawei) | CR1309r, TS 38.413 v18.6.0, Rel-18, Cat. F |
| [R3-255678](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255678.zip) | Clarification on MBS communication service type for QMC configuration (Huawei) | CR1507r, TS 38.423 v18.6.0, Rel-18, Cat. F |
| [R3-255690](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255690.zip) | Discussion on QoE MBS communication service types (ZTE Corporation) | discussionNoted |
| [R3-255687](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255687.zip) | Correction on stage 2 QoE communication service type description (ZTE Corporation) | draftCR |
| [R3-255688](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255688.zip) | Correction on QoE communication service type (ZTE Corporation) | CR1310r, TS 38.413 v18.6.0, Rel-18, Cat. F |
| [R3-255689](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255689.zip) | Correction on QoE communication service type (ZTE Corporation) | CR1508r, TS 38.423 v18.6.0, Rel-18, Cat. F |
| [R3-255686](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255686.zip) | [Draft]Reply LS to SA4 on MBS Communication Service Type (ZTE Corporation) | LS out To: SA4 CC: RAN2,SA5 |
| Ericsson: two new codepoints (“unicast” and “all”)Align the codepoints of MBS Communication Service Type with the codepoints of @communicationServiceType in TS 26.247. ENUMERATED (broadcast, multicast,..., unicast, all)Send an LS asking SA4 to clarify:• Whether the text in TS 26.247 implies that the @communicationServiceType can have more than one value at the same time.• Whether the @communicationServiceType can have a default value even though the Use is “O”.Nokia: RAN2 involvement neededSend a reply LS to RAN2, SA4 cc SA5 describing solution where the gNB receives additional configuration information from the UE so that QMC sessions applicable to any combination of communication service types can be supported.In the LS, ask feedback from RAN2 whether such solution is feasible, including in which 3GPP release.Huawei: no new codepointsThe current RAN3 spec already defined a mandatory IE representing service type of unicast.The current RAN3 spec already support to perform QMC task for all the service types towards the same UE.ZTE: one new codepoint (“all”)Introduce new codepoint “all” for MBS Communication Service Type IE.With this “all” for MBS Communication Service Type IE, the QoE measurement may be triggered when UE is using either unicast, multicast, or broadcast service for one QoE configuration.Update semantic description for MBS Communication Service Type IE, without the presence of this IE, the QoE measurement can only be triggered by unicast service. **CB: # 2\_MBScommType****- Further clarification needed from SA4 and/or RAN2?**(Nokia) |
| **UE radio capability for paging** |
| [R3-255025](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255025.zip) | Reply LS on Handling of UE Radio Capability for Paging (SA2(Ericsson)) | LS inR17Noted |
| [R3-255712](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255712.zip) | Correction on UE radio capability for paging information (CMCC, Huawei, CATT, ZTE, Qualcomm, Ericsson) | CR1313r, TS 38.413 v16.16.0, Rel-16, Cat. Fmoved from 9.2 |
| [R3-255713](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255713.zip) | Correction on UE radio capability for paging information (CMCC, Huawei, CATT, ZTE, Qualcomm, Ericsson) | CR1314r, TS 38.413 v17.12.0, Rel-17, Cat. Amoved from 9.2 |
| [R3-255714](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255714.zip) | Correction on UE radio capability for paging information (CMCC, Huawei, CATT, ZTE, Qualcomm, Ericsson) | CR1315r, TS 38.413 v18.6.0, Rel-18, Cat. Amoved from 9.2 |
| [R3-255521](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255521.zip) | Handling of Radio Capability for Paging (Nokia) | discussionNoted |
| [R3-255524](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255524.zip) | Correction of handling UE radio capability for paging (Nokia) | CR1297r, TS 38.413 v16.16.0, Rel-16, Cat. FNoted |
| [R3-255525](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255525.zip) | Correction of handling UE radio capability for paging (Nokia) | CR1298r, TS 38.413 v17.12.0, Rel-17, Cat. A |
| [R3-255526](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255526.zip) | Correction of handling UE radio capability for paging (Nokia) | CR1299r, TS 38.413 v18.6.0, Rel-18, Cat. A |
| [R3-255522](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255522.zip) | Response LS on handling of UE radio capability for paging (Nokia) | LS out To: SA2 CC:  |
| [R3-255651](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255651.zip) | Handling of UE Radio Capability for Paging (Huawei) | discussionNoted |
| RAN3 to agree that when the AMF receives the new UE Radio Capability for Paging IE in the UE RADIO CAPABILITY INFO INDICATION message, the AMF replaces the currently stored IE by the new one.Nok: delta with CMCC is “including all the RATs supported by the UE known by the gNB”HW: gNB should report all the RATs that the UE supportsE///, QC, SS, CATT: Same view as HW **CB: # 3\_UEradioCapPaging****- Check text for RRC\_INACTIVE case****- Check release (R16 or R17)**(CMCC) |
| **PWS over satellite NG-RAN** |
| [R3-255018](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255018.zip) | Reply LS from RAN on removal of support of PWS over satellite NG-RAN in Rel-17 and 18 (TSG RAN(AALYRIA)) | LS inR17Noted |
| [R3-255019](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255019.zip) | Reply LS on stage 1 requirements for the support for PWS over satellite NGRAN in Rel-17 (SA2(Samsung)) | LS inR19, ccNoted |
| [R3-255538](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255538.zip) | PWS Support in NTN (Ericsson, Thales, Huawei) | discussionNoted |
| [R3-255142](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255142.zip) | Pre-release Feature Removal (ZTE Corporation) | discussionNoted |
| [R3-255143](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255143.zip) | pCR on Pre-release feature removal process (ZTE Corporation) | pCR |
| Regardless of the specific topic at hand, for future discussions RAN3 should consider that any normative reference to functionality owned by other WGs, unless strictly needed, will create unnecessary dependencies and be detrimental to specification maintainability.**RAN3 should wait for CT1 decision before taking any further action.** |
| **Other** |
| [R3-255007](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255007.zip) | LS on Rel-19 higher layers parameters list Post RAN1#121 (RAN1(Ericsson)) | LS inR19Noted |
| [R3-255012](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255012.zip) | Reply LS on Number of UEs in RRC\_INACTIVE state with data transmission (RAN2(chinatelecom)) | LS inR19Noted |
| [R3-255741](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255741.zip) | Consideration on Muting of always-on signals in 5G broadcast [5GB\_CASMuting] (Huawei, Qualcomm Incorporated, EBU) | discussionNoted |
| [R3-255742](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255742.zip) | Support of Muting of always-on signals in 5G broadcast [5GB\_CASMuting] (Huawei, Qualcomm Incorporated, EBU) | CR0134r, TS 36.443 v18.0.0, Rel-19, Cat. B |
| MCE makes decision on the values of the K\_CAS and the N\_CAS, and informs to the eNBs via M2AP.Include the CAS Muting Parameters IE (includes sub-IEs K\_CAS and N\_CAS) in the MBSFN Area Configuration Item Ies IE in the M2AP: MBMS SCHEDULING INFORMATION message.Define the new K\_CAS IE as INTEGER (4..63, ...), and define the new N\_CAS IE as ENUMERATED (n2, n4, n8, n16, ...). **CB: # 4\_5GB\_CASMuting****- Check status in RAN2****- Check alignment of M2AP CR with RRC CR**(Huawei) |
| 8.2. LSin received during the meeting |
| 8.3. Left over LSs / pending actions*From RAN3#128 (UAV):**The timestamp of the altitude report refers to Time Stamp IE.**Introduce a new mandatory IE in User Location Information IE for Timestamp.**Whether to introduce Aerial UE Reporting Reference ID?**Failure indication of UAV UE flight information reporting:**Option 1:**Add a new cause value to indicate the NG-RAN node cannot initiate aerial UE altitude reporting in the existing LOCATION REPORTING FAILURE INDICATION message.**Add a new IE in the existing LOCATION REPORT message to indicate that the ongoing altitude reporting is stopped.**Option 2:**Add a new indication to indicate the NG-RAN node cannot initiate aerial UE altitude reporting and the ongoing altitude reporting is stopped in the existing LOCATION REPORTING FAILURE INDICATION message.* |
| **UAV** |
| [R3-255352](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255352.zip) | Further discussion on UAV altitude information reporting (Huawei, Nokia) | discussionNoted |
| [R3-255353](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255353.zip) | Support Aerial UE Flight Information Reporting to CN (Huawei, Nokia) | CR1290r, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255191](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255191.zip) | [DRAFT] Reply LS on clarification of UAV regulation from SA2 (Nokia, Huawei) | LS out To: SA2 CC:  |
| [R3-255582](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255582.zip) | Support Aerial UE Flight Information Reporting to CN (Ericsson, CATT) | discussionNoted |
| [R3-255520](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255520.zip) | Support Aerial UE Flight Information Failure Reporting in FAILURE INDICATION message (Ericsson, CMCC, CATT) | CR1296r, TS 38.413 v18.6.0, Rel-18, Cat. B |
| [R3-255618](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255618.zip) | Support Aerial UE Flight Information Failure Reporting in Filure Indicator message [UAS\_Ph3] (CATT, Ericsson, CMCC) | draftCR |
| [R3-255695](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255695.zip) | Discussion on UAV remaining issues (ZTE Corporation) | discussionNoted |
| [R3-255693](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255693.zip) | Support Aerial UE Flight Information Reporting to CN (ZTE Corporation) | CR1311r, TS 38.413 v18.6.0, Rel-19, Cat. F |
| [R3-255707](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255707.zip) | Discussion on UAV information reporting (CMCC, CATT) | discussionNoted |
| **Solution A**: HW, NokiaAdd a new cause value to indicate the NG-RAN node cannot initiate aerial UE altitude reporting in the existing LOCATION REPORTING FAILURE INDICATION message.Add a new IE in the existing LOCATION REPORT message to indicate that the ongoing altitude reporting is stopped.**Solution B**: Ericsson, CATT, CMCCAdd a new indication to indicate the NG-RAN node cannot initiate aerial UE altitude reporting and the ongoing altitude reporting is stopped in the existing LOCATION REPORTING FAILURE INDICATION message**Solution C**: ZTE, SamsungIntroduce a new cause value for Cause IE to indicate NG-RAN node cannot report the aerial UE information.LGE: Can there be multiple configurations for Aerial UE Flight Information Reporting?E///: Cause value does not have receiver behavior defined.**Agree on either solution B or solution C.****CB: # 5\_UAV****- Downselect Solution B or Solution C****- Can there be multiple configurations for Aerial UE Flight Information Reporting, and if so how to handle?****- Resolve any other open issues?**(Ericsson) |
| 9. Corrections to Rel-18 or earlier releases[TU: 0.5] (shared with AI 31)*Corrections on R16, R17, R18. Only essential corrections are allowed for frozen releases.**Corrections related to E1 AP, any mirror CR to TS37.48x should go for REL-17/18 Cat. A CR with proper WI code and fill the “Other core specifications” field to show the corresponding REL-15/16 Cat. F CR with its CR number together with the following notes in the “Other comments” field in the coversheet: “This Cat. A CR to TS 37.48x is a mirror CR of previous release of TS 38.46x.”**No REL-17/18 CR to TS 38.46x is needed as TS 38.46x is an empty pointer specification to TS 37.48x since REL-17.* |
| 9.1. LTE**QUOTA: 1** |
| [R3-255325](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255325.zip) | Correction on RRC establishment Cause for CIoT (Huawei, ZTE, Nokia, Qualcomm Incorporated) | CR1970r, TS 36.413 v18.3.0, Rel-18, Cat. FRev in [R3-255751](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255751.zip) **Agreed** |
| [R3-255386](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255386.zip) | Clarification on E-RAB management procedures (Google) | CR1971r, TS 36.413 v16.14.0, Rel-16, Cat. FNoted |
| [R3-255387](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255387.zip) | Clarification on E-RAB management procedures (Google) | CR1972r, TS 36.413 v17.6.0, Rel-17, Cat. A |
| [R3-255388](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255388.zip) | Clarification on E-RAB management procedures (Google) | CR1973r, TS 36.413 v18.3.0, Rel-18, Cat. A |
| [R3-255556](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255556.zip) | Clarification on BL CE UE in RRC\_INACTIVE (Ericsson) | draftCR |
| [R3-255557](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255557.zip) | Clarification on BL CE UE in RRC\_INACTIVE (Ericsson) | draftCR |
| [R3-255558](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255558.zip) | Clarification on BL CE UE in RRC\_INACTIVE (Ericsson) | draftCR |
| [R3-255720](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255720.zip) | Correction to Criticality of Retrieve UE Context Request (CATT) | CR1813r, TS 36.423 v15.14.0, Rel-15, Cat. FNoted**X2AP rapporteur will include in R19 rapporteur corrections** |
| [R3-255721](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255721.zip) | Correction to Criticality of Retrieve UE Context Request (CATT) | CR1814r, TS 36.423 v16.13.0, Rel-16, Cat. A |
| [R3-255722](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255722.zip) | Correction to Criticality of Retrieve UE Context Request (CATT) | CR1815r, TS 36.423 v17.7.0, Rel-17, Cat. A |
| [R3-255723](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255723.zip) | Correction to Criticality of Retrieve UE Context Request (CATT) | CR1816r, TS 36.423 v18.4.0, Rel-18, Cat. A |
| 9.2. NR**QUOTA: 1** *e.g., L3 measurements triggered LTM, PEI and emergency PDU session, propagation of MDT Configuration in stage 2…* |
| **PEI and emergency PDU session** |
| [R3-255559](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255559.zip) | Discussion on emergency call back and paging with PEIPS (Ericsson) | discussionNoted |
| [R3-255233](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255233.zip) | Correction of PEI and emergency PDU session (Huawei, Qualcomm, Ericsson, China Telecom, Nokia, CATT) | draftCRResp in [R3-255749](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255749.zip) |
| [R3-255234](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255234.zip) | Correction of PEI and emergency PDU session (Huawei, Qualcomm, Ericsson, China Telecom, Nokia, CATT) | draftCRResp in [R3-255749](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255749.zip) |
| HW: postpone pending further CT1 progress?E///: LS to SA2 to revert removal of the restriction in Rel-19? **CB: # 6\_PEIandEmergencyPDUsess****- Decide way forward for RAN3****- LS to SA2/CT1/RAN2, if agreeable**(ZTE) |
| **LTM** |
| [R3-255613](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255613.zip) | Correction on Intra-CU LTM shared preamble index limit per DU (LG Electronics Inc., Huawei, Samsung, Google, NEC, ZTE, CATT, Qualcomm, CMCC, China Telecom, Ericsson, Nokia, Lenovo) | CR1586r, TS 38.473 v18.6.0, Rel-18, Cat. FNBC **Agreed** |
| [R3-255319](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255319.zip) | Support Cell Level Measurements signaling from CU to DU for L3 measurement based R18 LTM (Qualcomm Inc, Apple Inc, NTT DOCOMO, AT&T, Boost Mobile Networks, JIO Platforms, Charter Communications, Rakuten, CEWiT, Vivo, Tejas Networks, Xiaomi.) | discussionHW, E///, ZTE: not essential correction for Rel-18Noted |
| [R3-255322](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255322.zip) | Cell level measurements in F1-AP signalling for L3 measurements-based LTM (Qualcomm Inc, Apple Inc, NTT DOCOMO, AT&T, Boost Mobile Networks, JIO Platforms, Charter Communications, Rakuten, CEWiT, Vivo, Tejas Networks, Xiaomi.) | CR1579r, TS 38.473 v18.6.0, Rel-18, Cat. FNoted |
| [R3-255535](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255535.zip) | Rel-18 LTM Correction for L2 reset (Ericsson, CATT, Jio Platforms) | discussionAdd a new Old Serving Cell ID IE in the CU-DU CELL SWITCH NOTIFICATION message to indicate the ID of the cell serving the UE before LTM cell switch execution.Update stage 2 (TS 38.401) to update the Cell Switch Notification message where the CU sends to the new serving DU a CU-DU CELL SWITCH NOTIFICATION message including the ID of the cell serving the UE before LTM cell switch execution.ZTE: Need to check RAN2 progress about inter-DU casesLen: Nothing seems neededNEC: For Inter-DU LTM, Layer 2 reset is always performedNokia: same view as NECQC: support the CR**RAN3 understanding is that for inter-DU LTM, Layer 2 reset is always performed****CB: # 7\_LTM\_Layer2Reset****- LS to RAN2 to describe RAN3 understanding that for inter-DU LTM, Layer 2 reset is always performed**(Ericsson) |
| [R3-255536](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255536.zip) | F1AP correction for Layer 2 reset at inter-gNB-DU LTM (Ericsson, CATT, Jio Platforms) | CR1581r, TS 38.473 v18.6.0, Rel-18, Cat. F |
| [R3-255537](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255537.zip) | Stage 2 correction for Layer 2 reset at inter-gNB-DU LTM (Ericsson, CATT, Jio Platforms) | draftCR |
| [R3-255718](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255718.zip) | Essential corrections to TCI states for LTM (Ericsson, Lenovo, Google, Jio Platforms, CATT, Ofinno, Verizon Wireless) | discussionIssue is acknowledged, solution needs further discussion (e.g., semantics part?) **CB: # 8\_LTM\_TCIstates****- Further discuss the F1AP CR**(Ericsson) |
| [R3-255719](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255719.zip) | Essential corrections to TCI states for LTM (Ericsson, Lenovo, Google, Jio Platforms, CATT, Ofinno, Verizon Wireless) | CR1587r, TS 38.473 v18.6.0, Rel-18, Cat. F |
| **AI/ML for NG-RAN** |
| [R3-255460](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255460.zip) | On packet loss metric in UE performance (Ericsson, Deutsche Telekom, Jio Platforms) | discussionNoted |
| [R3-255461](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255461.zip) | Correction to exclude Packet Loss as a UE Performance metric (Ericsson, Deutsche Telekom, Jio Platforms) | CR1449r4, TS 38.423 v18.6.0, Rel-18, Cat. FNoted |
| [R3-255448](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255448.zip) | Correction of the granularity of the Average Packet Loss DL IE (Nokia) | CR1506r, TS 38.423 v18.6.0, Rel-18, Cat. FNoted |
| Whether to correct packet loss metric in UE performance in R18? • Opt1: Remove the IE• Opt2: Introduce new IE for packet loss metric in UE performance to replace the old IE• Opt3: Ignore the IE in R18• Opt4: Do nothingZTE: Rel-18 correction should be handled based on Rel-19 agreement (and Reply LS from SA5)HW: Wait for Rel-19 issue to be resolved. Prefer not to NULL the Rel-18 IE.NEC: NBC CR seems OK**Wait for Reply LS(es) from SA5****To be continued...** |
| **Other** |
| [R3-255147](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255147.zip) | Discussion on the configuration in case of CHO with CPAC (ZTE Corporation, CATT, China Telecom, China Unicom) | discussionProposal 1: RAN3 shall clarify that in case of CHO with CPAC configured, whether or not“CHO Information SN Addition” IE can be in the SN addition request message.Proposal 2: In case of CHO with CPAC configured, Solution 1: “CHO Information SN Addition” IE is allowed in the SN addition request message, orSolution 2 “CHO Information SN Addition” IE cannot be in the SN addition request message, orSolution 3: “CHO Information SN Addition” IE must be in the SN addition request messageGoogle: Target MN can decideNokia: Solution 1LGE: Solution 3Noted |
| [R3-255148](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255148.zip) | Clarification on the configuration in case of CHO with CPAC (ZTE Corporation, CATT, China Telecom, China Unicom) | draftCR |
| [R3-255187](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255187.zip) | Discussion on positioning activation and deactivation procedure (Samsung, CATT, ZTE) | discussionE///: doubting the scenario, previously discussed and some aspects were ruled out already. We are OK to further discuss on the basis of minimizing spec impact.Noted**To be continued...** |
| [R3-255186](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255186.zip) | Correction to Positioning activation and deactivation procedure (CATT, Samsung, ZTE) | draftCR |
| [R3-255188](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255188.zip) | Correction to positioning activation and deactivation procedure (Samsung, CATT, ZTE Corporation) | CR0193r, TS 38.455 v18.6.0, Rel-18, Cat. F |
| [R3-255189](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255189.zip) | Correction to positioning activation and deactivation procedure (Samsung, CATT, ZTE Corporation) | CR1577r, TS 38.473 v18.6.0, Rel-18, Cat. F |
| [R3-255190](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255190.zip) | Correction to positioning activation and deactivation procedure (ZTE Corporation, Samsung, CATT) | CR1503r, TS 38.423 v18.6.0, Rel-18, Cat. F |
| [R3-255232](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255232.zip) | Specifying procedure texts for the Core Network Assistance Information for RRC INACTIVE IE (Huawei, Ericsson, Nokia) | CR1288r, TS 38.413 v18.6.0, Rel-18, Cat. F |
| [R3-255351](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255351.zip) | Clarification for propagation of roaming and access restrictions (Samsung) | draftCR |
| [R3-255391](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255391.zip) | Clarification on PDU session management procedures (Google) | CR1291r, TS 38.413 v16.16.0, Rel-16, Cat. F |
| [R3-255392](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255392.zip) | Clarification on PDU session management procedures (Google) | CR1292r, TS 38.413 v17.12.0, Rel-17, Cat. A |
| [R3-255410](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255410.zip) | Clarification on PDU session management procedures (Google) | CR1293r, TS 38.413 v18.6.0, Rel-18, Cat. A |
| [R3-255483](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255483.zip) | Usage of root cause in MRO (Huawei, Vodafone, Nokia, Qualcomm, BT, Jio Platforms) | discussion |
| [R3-255484](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255484.zip) | Usage of root cause in SON/MRO (Huawei, Vodafone, Nokia, Qualcomm, BT, Jio Platforms) | draftCR |
| [R3-255485](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255485.zip) | Usage of root cause in SON/MRO (Huawei, Vodafone, Nokia, Qualcomm, BT, Jio Platforms) | draftCR |
| [R3-255560](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255560.zip) | Extensions for enumerated type definitions over several Releases - and what can go wrong (Ericsson, Jio Platforms, China Telecom, CMCC) | discussion |
| [R3-255561](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255561.zip) | Correcting the extension of FR1-bandwidth type definition (Ericsson, Jio Platforms, China Telecom, CMCC) | CR1582r, TS 38.473 v16.21.0, Rel-16, Cat. F |
| [R3-255562](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255562.zip) | Correcting the extension of FR1-bandwidth type definition (Ericsson, Jio Platforms, China Telecom, CMCC) | CR1583r, TS 38.473 v17.13.0, Rel-17, Cat. A |
| [R3-255563](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255563.zip) | Correcting the IE extension definition for bandwidth SRS (Ericsson, Jio Platforms, China Telecom, CMCC) | CR0194r, TS 38.455 v16.15.0, Rel-16, Cat. F |
| [R3-255564](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255564.zip) | Correcting the IE extension definition for bandwidth SRS (Ericsson, Jio Platforms, China Telecom, CMCC) | CR0195r, TS 38.455 v17.10.0, Rel-17, Cat. A |
| [R3-255565](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255565.zip) | Correcting the IE extension definition for SRS Pos SIB Type (Ericsson, Jio Platforms, China Telecom, CMCC) | CR0196r, TS 38.455 v17.10.0, Rel-17, Cat. F |
| [R3-255566](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255566.zip) | Addition of PDCP discard timer for scheduling with DSR (Ericsson, Qualcomm Inc., Jio Platforms) | CR1584r, TS 38.473 v18.6.0, Rel-18, Cat. F |
| [R3-255737](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255737.zip) | Clarification for propagation of MDT Configuration in stage2 (ZTE Corporation,China Unicom,China Telecom,CMCC, Huawei) | other |
| [R3-255738](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255738.zip) | Clarify on UE context retrieval (ZTE Corporation) | other |
| [R3-255242](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255242.zip) | Discussion on L3-report based SCell activation (CATT, China Telecom, CMCC, NTT Docomo, Huawei) | discussion |
| [R3-255192](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255192.zip) | Withdrawn (Nokia) | CR1578r, TS 38.473 v18.6.0, Rel-18, Cat. Fwithdrawn |
| 10. Data Collection for SON\_MDT in NR standalone and MR-DC WI (RAN3-led)WID [NR\_ENDC\_SON\_MDT\_Ph4-Core]: [RP-234038](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_102/Docs/RP-234038.zip) (target: RAN #109) [TU: 1.5]**QUOTA: 4** |
| 10.1. General*Work plan, BL CRs* |
| [R3-255030](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255030.zip) | (BL CR to 36.300 for SON) Addition of SON enhancements (Lenovo) | draftCR |
| [R3-255031](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255031.zip) | (BL CR to 38.413 for MDT) Addition of MDT enhancements (Nokia) | CR1189r7, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255032](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255032.zip) | (BL CR to 38.423 for MDT) Addition of MDT enhancements (CATT) | CR1412r5, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255033](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255033.zip) | (BL CR to 38.420 for SON) Addition of SON enhancements (Samsung, ZTE, CATT, Lenovo, Cybecore) | CR0050r1, TS 38.420 v18.1.0, Rel-19, Cat. B |
| [R3-255034](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255034.zip) | (BL CR to 36.423 for SON) Addition of SON enhancements (CATT, Samsung, Lenovo, Huawei, Ericsson, ZTE, CMCC, Nokia, Jio Platforms) | CR1790r9, TS 36.423 v18.4.0, Rel-19, Cat. B |
| [R3-255035](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255035.zip) | (BL CR to 37.340 for SON) Addition of SON enhancements (CMCC) | draftCR |
| [R3-255036](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255036.zip) | (BL CR to 38.300 for SON) Addition of SON enhancements (China Unicom) | draftCR |
| [R3-255037](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255037.zip) | (BL CR to 38.401 for SON) Addition of SON enhancements (ZTE Corporation, Nokia, Huawei, Lenovo, CATT, Ericsson, Samsung, Jio Platforms) | CR0440r8, TS 38.401 v18.6.0, Rel-19, Cat. B |
| [R3-255038](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255038.zip) | (BL CR to 38.413 for SON) Addition of SON enhancements (Ericsson, Jio Platforms) | CR1286r1, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255039](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255039.zip) | (BL CR to 38.423 for SON) Addition of SON enhancements (ZTE Corporation, Samsung, Nokia, Lenovo, Jio) | CR1413r10, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255040](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255040.zip) | (BL CR to 38.473 for SON) Addition of SON enhancements (Huawei, Nokia, Jio) | CR1519r6, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255320](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255320.zip) | Workplan for Rel-19 SON\_MDT Enhancement (China Unicom, CMCC) | Work Plan |
| **10.2. MRO Enhancements***MRO enhancement for R18 mobility mechanisms, including, Lower layer triggered mobility (LTM), CHO with candidate SCGs, subsequent CPAC [RAN3, RAN2]**In cooperation with RAN2**From RAN3#128:**BFR shortly after successful LTM cell switch to the wrong beam (Case 1):**Use DU-CU ACCESS AND MOBILITY INDICATION message for target DU send recovery beam information to the CU. Only one recovery beam information included.**Additional Information with recovery beam information from target DU to CU:** *CU UE F1AP ID*
* *Failure type (for case 1, case 2) in an implicit way or explicit way*
* *beam failure indicator in an implicit way or explicit way*

*Use ACCESS AND MOBILITY INDICATION message for CU forward recovery beam information to the source DU. Only one recovery beam information included.**Additional Information with recovery beam information from target CU to DU:** *Source DU UE F1AP ID*
* *Failure type (for case 1, case 2) in an implicit way or explicit way*
* *beam failure indicator in an implicit way or explicit way*

*No new failure type for beam failure recovery is needed for TS38.300.**The Timer configured in DU (e.g., Tstore\_UE\_cntxt) used for the DU to detect BFR shortly after successful LTM cell switch to the wrong beam is up to implementation.**UHI and ping-pong issue:**CU informs relevant information to the target DU via CU-DU Cell Switch Notification.**Down selection of following solutions:**1a: CU provide full UHI list with L1/L3 type to the DU (maximum item number is 16).**1b: CU provide full UHI list (except PScell) with L1/L3 type to the DU (maximum item number is 16).* *2a: CU provide last consecutive L1 entries to the DU.* *2b: CU provide FFS number of last consecutive L1 entries to the DU.**No stage2, work in stage3 with 1a.**If the above 1a information is included in F1AP message from CU to DU, the DU may consider the potential mobility issue detected including ping-pong.* *FFS on the extra indication for ping-pong case.**RACHless LTM cell switch failure due to wrong beam (Case 2):**Network-based solution for the LTM cell switch failure due to wrong beam using the same signaling flow as for Case1.* *In case that the source DU selects a wrong beam among candidate beam list, the source DU is responsible for MRO optimization.**In case that the target DU provides a wrong candidate beam list, the target DU is responsible for MRO optimization.**Target DU needs to send the reconnect/re-established/recovery beam information to CU and CU forwards it to source DU.* *CU does not need to send the old beam information to source DU.**Reply LS to RAN2 on the network based solution for case1 and case2.**Work on stage3 semantic description for C-RNTI IE in ACCESS AND MOBILITY INDICATION message.* *New BL CR for TS38.420 Samsung**MRO for CHO with Candidate SCG(s):**Reuse the existing “HO too early” and “HO to wrong cell” in case of too early CHO execution and CHO execution to wrong cell.**Update the MN node of wrong candidate PSCell list selection for CHO with candidate SCG(s) as candidate or target MN.**Handover Report message is not needed for case 7a.**In addition to SCGFailureInformation, information needed in the SCG Failure Indication message?** *CPC failure type (CPC failure type is needed in case of SCG Failure Indication is sent from the candidate to the source?)*

*MRO for S-CPAC:**The setting of the information on previousPSCellId and timeSCGFailure needs to be updated to support the failures due to the following S-CPAC. Work on LS to RAN2.**The TP in 10.18.3 Conditional PSCell addition or change failure in R3-253185 to be checked.**Whether to enhance UHI in case of S-CPAC?* * *SCG UHI should be updated to the new serving MN/target SN from source MN during S-CPAC procedure, i.e. Include SCG UHI in SN Reconfiguration Complete message from MN to the target SN*

*Inform the SN(s) about the outcome of mobility events for SN initiated S-CPAC using the SN RELEASE REQUEST or SN RELEASE CONFIRM.**RAN3 supports network-based solution for outdated TA.**Reusing the same signaling flow as case1 and case2.**TA acquisition Type signalling is not needed based on the network-based solution of outdated TA. Work on the LS to RAN2.* |
| [R3-255164](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255164.zip) | (TP for SON BL CR for TS 38.401) MRO Enhancements for LTM (Nokia) | other |
| [R3-255165](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255165.zip) | MRO Enhancements for CHO with Candidate SCG(s) (Nokia) | discussion |
| [R3-255193](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255193.zip) | (SON TPs to BL CR to TS 38.423 and to TS 37.340) Completion of the signalling for providing UHI to the SN in case of S-CPAC release (Nokia, Huawei, Ericsson) | other |
| [R3-255214](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255214.zip) | (TP for SON BLCR of 38.473) Discussion on MRO for LTM (NEC) | other |
| [R3-255315](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255315.zip) | MRO enhancements for LTM (Qualcomm Incorporated) | discussion |
| [R3-255321](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255321.zip) | Discussion on MRO Enhancements (China Unicom) | discussion |
| [R3-255393](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255393.zip) | (TP for SON BLCR for 38.473) Discussion on MRO for LTM (Lenovo) | other |
| [R3-255394](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255394.zip) | (TP for SON BLCR for 38.423) Discussion on MRO for CHO with candidate SCG(s) and subsequent CPAC (Lenovo) | other |
| [R3-255432](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255432.zip) | Ping-Pong Mitigation in CU-DU Coordination for LTM Mobility (Jio Platforms) | discussion |
| [R3-255486](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255486.zip) | Usage of root cause in MRO (Huawei, Vodafone, Qualcomm, BT, Jio Platforms) | discussion |
| [R3-255487](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255487.zip) | (TP for BLCR for SON for 38.401) Usage of root cause in MRO (Huawei, Vodafone, Qualcomm, BT, Jio Platforms) | other |
| [R3-255488](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255488.zip) | LTM ping pong (Huawei, Qualcomm, CMCC, Jio Platforms) | discussion |
| [R3-255489](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255489.zip) | (TP for BLCR for SON for 38.473) LTM ping pong (Huawei, Qualcomm, CMCC, Jio Platforms) | other |
| [R3-255490](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255490.zip) | (TP for BLCR for SON for 38.413) LTM ping pong (Huawei, Qualcomm, CMCC, Jio Platforms) | other |
| [R3-255491](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255491.zip) | LTM Near failure TA (Huawei, Ericsson, Jio Platforms) | other |
| [R3-255592](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255592.zip) | Signaling of MRO for LTM between target DU and source DU (Ericsson, Huawei, Jio Platforms) | discussion |
| [R3-255593](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255593.zip) | (TP for BL CR to 38.401 for SON) Signaling of MRO for LTM between target DU and source DU (Ericsson, Huawei, Jio Platforms) | other |
| [R3-255594](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255594.zip) | (TP for BL CR to 38.473 for SON) Signaling of MRO for LTM between target DU and source DU (Ericsson, Huawei, Jio Platforms) | other |
| [R3-255595](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255595.zip) | Ping-pong avoidance for LTM (Ericsson) | discussion |
| [R3-255596](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255596.zip) | (TP for BL CR to 38.473 for SON) Ping-pong avoidance for LTM (Ericsson) | other |
| [R3-255620](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255620.zip) | (TP for SON BL CR for TS38.401) MRO for LTM (Samsung) | other |
| [R3-255621](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255621.zip) | (TP for SON BL CR for TS38.473) MRO for LTM (Samsung) | other |
| [R3-255622](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255622.zip) | Failure scenarios on MRO for CHO with candidate SCGs (Samsung, Cybercore, Lenovo) | discussion |
| [R3-255623](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255623.zip) | (TP for SON BLCR for TS37.340, TS38.300 and TS38.423) MRO for CHO with candidate SCGs (Samsung, Jio Platforms, Cybercore) | other |
| [R3-255624](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255624.zip) | (TP for SON BLCR for TS38.423) MRO for S-CPAC (Samsung, Jio Platforms, Cybercore) | other |
| [R3-255641](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255641.zip) | (TP for 38.473 and 38.401) MRO for Rel-18 LTM (CATT) | other |
| [R3-255642](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255642.zip) | (TP for 38.423 and 38.300) MRO for CHO with Candidate SCG(s) and S-CPAC (CATT) | other |
| [R3-255734](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255734.zip) | (TP for SON BLCR for 38.473) LTM Ping Pong left Issues (ZTE Corporation) | other |
| [R3-255735](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255735.zip) | (TP for SON BLCR for 38.473 and 38.401) LTM Beam and TA Left Issues (ZTE Corporation) | other |
| [R3-255736](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255736.zip) | (TP for SON BLCR for 38.423) MRO for others (ZTE Corporation) | other |
| [R3-255746](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255746.zip) | (TP for SON BL CR for TS 38.473) Discussion on LTM MRO without RLF Report ( Google, Ericsson, NEC, Lenovo, CATT) | discussion |
| **10.3. SON/MDT for NTN and Slicing***Support of SON/MDT enhancements for [RAN3, RAN2]:** *Intra-NTN mobility*
* *Network Slicing*
 |
| **10.3.1. Intra-NTN Mobility***From RAN3#128:**To introduce a geographical area scope for NTN MDT including either reference location/radius or a polygon-based area for NG and Xn.**FFS on whether to add the geographical area scope inside or outside the existing area scope IE.**FFS on whether the geographical area scope applies to both logged and immediate MDT or only logged MDT.* |
| [R3-255194](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255194.zip) | (SON TP to BL CR to TS 38.423 and MDT TP to BL CR TS 38.413) Solution to avoid restarting MRO in NTN deployments and a proposal for the MDT area definition (Nokia) | other |
| [R3-255261](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255261.zip) | (TPs to BL CR for 38.300, 38.413 and 38.423) Further discussion on SONMDT enhancements for NTN (ZTE Corporation) | other |
| [R3-255316](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255316.zip) | MDT enhancements for NTN (Qualcomm Incorporated) | discussion |
| [R3-255350](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255350.zip) | (TP for MDT BLCRs for TS38.413, TS38.423) SON/MDT enhancements for NTN (Samsung) | other |
| [R3-255395](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255395.zip) | Discussion on SON/MDT for NTN (Lenovo) | discussion |
| [R3-255428](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255428.zip) | Discussion on SONMDT for Intra-NTN mobility (Huawei, CMCC, Jio Platforms, China Unicom) | discussion |
| [R3-255429](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255429.zip) | (TP for MDT BLCR for TS38.413): MDT enhancement for NTN (Huawei, CMCC, Jio Platforms, China Unicom) | other |
| [R3-255430](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255430.zip) | (TP for MDT BLCR for TS38.423): MDT enhancement for NTN (Huawei, CMCC, Jio Platforms, China Unicom) | other |
| [R3-255431](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255431.zip) | (TP for MDT BLCR for TS37.320): MDT enhancement for NTN (Huawei, CMCC, Jio Platforms, China Unicom) | other |
| [R3-255433](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255433.zip) | SON MDT for Intra-NTN Mobility (Jio Platforms) | discussion |
| [R3-255495](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255495.zip) | MRO for NTN (Huawei) | other |
| [R3-255597](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255597.zip) | SON-MDT enhancements for NTN (Ericsson) | discussion |
| [R3-255598](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255598.zip) | (TP for BL CR to 38.413 for SON) Additional cause values and cell types for NTN (Ericsson) | other |
| [R3-255643](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255643.zip) | (TP for 38.300) Intra-NTN mobility for SON (CATT) | other |
| [R3-255644](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255644.zip) | (TP for 38.413 and 38.423) Intra-NTN mobility for MDT (CATT) | other |
| [R3-255423](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255423.zip) | SON MDT for Intra-NTN Mobility (Jio Platforms) | discussionwithdrawn |
| **10.3.2. Network Slicing***From RAN3#128:***Stop the discussion on enhancement for the slice related SHR in Rel-19.***Whether to do enhancement on reporting rejected slice from CN to NG-RAN based on the request from NG-RAN?* |
| [R3-255195](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255195.zip) | Discussion on the possibility of requesting a non-registered slice (Nokia) | discussion |
| [R3-255446](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255446.zip) | Collection of rejected slice information for slice coverage optimisation (Ericsson, BT, Deutsche Telekom, Jio Platforms (JPL), FiberCop, InterDigital) | discussion |
| [R3-255447](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255447.zip) | (TP for BL CR to 38.413 for SON) Collection of rejected slice information for slice coverage optimisation (Ericsson, BT, Deutsche Telekom, Jio Platforms (JPL), FiberCop, InterDigital) | other |
| [R3-255600](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255600.zip) | Enhanced Rejected Slice Reporting for Dynamic Slice Optimization (Jio Platforms) | discussion |
| **10.4. R18 leftovers***Support of the leftovers in Rel-18 SON/MDT [RAN3, RAN2]:** *RACH optimization for SDT*
* *MHI Enhancement for SCG Deactivation/Activation*
* *MRO for MR-DC SCG failure*

*From RAN3#128:**NW collects the absolute time (i.e. accumulated time) spent in the PSCell with SCG activated state.**Add the absolute time with SCG activated in the Last Visited PSCell Information IE.**Additional information is not needed for UHI Enhancement for SCG Deactivation/Activation.* |
| [R3-255492](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255492.zip) | SON/MDT Leftovers (Huawei) | other |
| **11. AI/ML for NG-RAN WI (RAN3-led)**WID [NR\_AIML\_NGRAN\_enh-Core]: [RP-251245](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs) (target: RAN #109) [TU: 2]**QUOTA: 6** |
| 11.1. General*Work plan, BL CRs* |
| [R3-255041](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255041.zip) | (BL CR to 37.480) Support of enhancements on AI/ML for NG-RAN (CATT, ZTE Corporation) | CR0009r2, TS 37.480 v18.1.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255042](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255042.zip) | (BL CR to 37.483) Support of enhancements on AI/ML for NG-RAN (Samsung, ZTE Corporation, Nokia) | CR0170r3, TS 37.483 v18.5.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255043](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255043.zip) | (BL CR to 38.401) Enhancement of AI/ML Energy Saving for NGRAN split architecture (CMCC, Samsung, Huawei, NEC, CATT, ZTE, Nokia, Ericsson, Deutsche Telekom, FiberCop, Jio Platforms) | CR0478r1, TS 38.401 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255044](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255044.zip) | (BL CR to 38.423) Support of enhancements on AI/ML for NG-RAN (ZTE Corporation, Qualcomm, China Unicom, Ericsson, Samsung, Nokia, Lenovo, CATT, Huawei, NEC, CMCC, China Telecom, Telecom Italia, Deutsche Telekom, Verizon Wireless, LGE, Jio Platforms (JPL), Rakuten, Orange, FiberCop, InterDigital, Ofinno) | CR1411r9, TS 38.423 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255045](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255045.zip) | (BL CR to 38.425) UE performance enhancement for split architecture (Nokia, Samsung, Ericsson, Huawei, ZTE, Deutsche Telekom, FiberCop, Jio Platforms) | CR0157r1, TS 38.425 v18.1.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255046](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255046.zip) | (BL CR to TS 38.473) Support of enhancements on AI/ML for NG-RAN (Ericsson (Rapporteur), ZTE, NEC, Nokia, Huawei, Ofinno) | CR1532r8, TS 38.473 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255047](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255047.zip) | (BL CR to 37.340) AIML for NR-DC (Huawei, Lenovo, CATT, ZTE Corporation, Samsung, Ericsson, Nokia, Ofinno, FiberCop, LG Electronics, Jio Platforms) | draftCR **Endorsed as Baseline CR** |
| [R3-255048](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255048.zip) | (BL CR to 38.300) Support of enhancements on AI/ML for NG-RAN (NEC, ZTE, Qualcomm, Samsung, CMCC, Ericsson, CATT, Ofinno, Huawei, Nokia, Jio Platforms) | draftCR **Endorsed as Baseline CR** |
| [R3-255178](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255178.zip) | Work plan for enhancements for Artificial Intelligence (AI)/Machine Learning (ML) for NG-RAN (ZTE Corporation, NEC) | Work PlanNoted |
| [R3-255462](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255462.zip) | (TP to TS 38.300) AI/ML support (Ericsson, Deutsche Telekom, Jio Platforms, BT) | other |
| [R3-255463](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255463.zip) | (TP to TS 38.401) AI/ML support (Ericsson, Deutsche Telekom, Jio Platforms, BT) | other |
| 11.2. AI/ML enabled Slicing*Specify data collection enhancements and signaling support within existing NG-RAN interfaces and architecture (including non-split architecture and split architecture) for AI/ML-based Slicing. [RAN3]* |
| [R3-255170](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255170.zip) | Remaining issues in AI/ML assisted Network Slicing (ZTE Corporation) | discussion |
| [R3-255171](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255171.zip) | (TP to BL CR to 38.423) Support of AI/ML assisted Network Slicing (ZTE Corporation, Qualcomm, China Unicom) | other* Update with agreements captured in Chair minutes

Rev in [R3-255760](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255760.zip) |
| [R3-255203](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255203.zip) | (TP to BLCR TS38.423) Clean-up for AI/ML-based slicing (NEC) | otherNoted |
| [R3-255357](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255357.zip) | Further discussion on per-UE per-slice UE performance in AI/ML-based Network Slicing (Huawei, Jio Platforms, FiberCop, BT) | discussionNoted |
| [R3-255358](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255358.zip) | (TP for AI/ML BLCR to TS 38.423) Per-UE per-slice UE performance in AI/ML-based Network Slicing (Huawei, Ofinno, Jio Platforms, FiberCop, BT) | other |
| [R3-255449](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255449.zip) | (TP to TS 38.423) AI/ML Slicing Remaining Aspects (Nokia) | otherNoted |
| [R3-255450](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255450.zip) | [Draft] Reply LS on clarification on UE performance measurement at PDCP level (Nokia) | LS out To: SA5 CC:  |
| [R3-255464](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255464.zip) | AI/ML enabled Network Slicing (Ericsson, Jio Platforms) | discussionNoted |
| [R3-255465](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255465.zip) | (TP for BLCR to 38.423) Support of AI/ML assisted Network Slicing (Ericsson, Jio Platforms) | other |
| [R3-255497](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255497.zip) | (TP on 38.423) Discussion on slice level UE performance (CATT) | other |
| [R3-255704](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255704.zip) | (TP to BLCR for TS 38.423) AIML enabled network slice (CMCC) | other |
| [R3-255603](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255603.zip) | Packet loss metric Observability in UE performance (Jio Platforms) | discussion |
| [R3-255661](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255661.zip) | Discussion on AI/ML enabled slicing (Samsung) | discussion |
| **Stage 2 only** |
| [R3-255354](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255354.zip) | (TP for AI/ML BLCR to TS 38.300) Capturing agreements in Stage 2 RAN specifications (Huawei, Jio Platforms, Deutsche Telekom, Ofinno, FiberCop, Qualcomm, InterDigital, Orange) | other |
| [R3-255355](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255355.zip) | (TP for AI/ML BLCR to TS 38.401) Capturing agreements in Stage 2 RAN specifications (Huawei, Jio Platforms, Deutsche Telekom, FiberCop, InterDigital, CATT) | other |
| [R3-255356](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255356.zip) | (TP for AI/ML BLCR to TS 37.340) Capturing agreements in Stage 2 RAN specifications (Huawei, Jio Platforms, Ofinno, Qualcomm, InterDigital, Deutsche Telekom) | other |
| **The UL/DL Packet Loss IEs will be revised with a reference to an SA5 definition.****Update the IE names in Slice Based UE Performance IE (and corresponding ASN.1 names) to align them with the procedural text, namely update them as Slice Average UE Throughput DL IE, Slice Average UE Throughput UL IE, Slice Average Packet Delay IE, Slice Average Packet Loss DL IE and Slice Average Packet Loss UL IE.****It is proposed to align the tabular with ASN.1, i.e. Slice UE Performance IE in tabular is modified to include one PLMN rather than PLMN list.**CB: # 11\_AIRAN\_slicing- Check TP- Handling of slice performance reporting in case target cannot report for a specific slice?**(ZTE)** |
| 11.3. AI/ML enabled Coverage and Capacity Optimization*Specify data collection enhancements and signaling support within existing NG-RAN interfaces and architecture (including non-split architecture and split architecture) for AI/ML-based CCO. [RAN3]**From RAN3#128:**Adopt Opt2 (gNB-CU directly forwards the received further CCO state of neighbor cells to gNB-DU)**Timing information for predicted CCO issue over Xn is not needed?**Current mechanism enables the update of predicted CCO issue and/or future CCO state. A new detected CCO issue/a new predicted CCO issue for the same affected cells and beams after a predicted CCO issue will cancel the prediction.**Check the scenario whether has the possibility that there will be isolated multiple CCO issues detected for different cells or beams? Specific Cancel towards each CCO issue is needed?**Specify mechanisms (F1, Xn) to update/cancel a prediction, no new IE is needed to identify the previous prediction (affected cells and beams will identify the previously signalled issue).* *Addition of new code-point in predicted coverage modification cause (Xn) / predicted CCO issue (F1), with details FFS.* |
| [R3-255204](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255204.zip) | Clean-up for AI/ML-based CCO (NEC) | discussionNoted |
| [R3-255205](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255205.zip) | (TP to BLCR TS38.423 and TS38.473) AI/ML-based CCO (NEC) | other |
| [R3-255284](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255284.zip) | Discussion on remaining issues for AI/ML-based CCO (LG Electronics Inc.) | discussionNoted |
| [R3-255285](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255285.zip) | (TP for NR\_AIML\_NGRAN\_enh-Core for TS 38.423) Discussion on remaining issues for AIML-based CCO (LG Electronics Inc.) | otherNoted |
| [R3-255286](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255286.zip) | (TP for NR\_AIML\_NGRAN\_enh-Core for TS 38.473) Discussion on remaining issues for AIML-based CCO (LG Electronics Inc.) | other |
| [R3-255359](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255359.zip) | Discussion on timing aspects for AI/ML-based Coverage and Capacity Optimization (Huawei, Jio Platforms, Deutsche Telekom, Orange, BT, Vodafone) | discussion |
| [R3-255360](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255360.zip) | (TP for AI/ML BLCR to TS 38.423) Timing information for predicted CCO issue over Xn (Huawei, Jio Platforms, Deutsche Telekom, Orange, BT, Vodafone) | other |
| [R3-255471](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255471.zip) | UE radio measurements for CCO (Ericsson, Jio Platforms, Orange, Deutsche Telekom) | discussion |
| [R3-255472](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255472.zip) | (TP for TS 38.423) – UE radio measurements for CCO (Ericsson, Jio Platforms, Orange, Deutsche Telekom) | other |
| [R3-255271](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255271.zip) | AI/ML enabled Coverage and Capacity Optimization: Cause value in the Neighbour Future Coverage Modification Notification (Ofinno, LLC) | discussion |
| [R3-255272](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255272.zip) | (TP for BLCR to 38.473) AI/ML enabled Coverage and Capacity Optimization: Cause value in the Neighbour Future Coverage Modification Notification (Ofinno, LLC) | other |
| [R3-255385](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255385.zip) | Discussion on AI/ML based Coverage and Capacity Optimization (China Telecom) | discussion |
| [R3-255434](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255434.zip) | (TP for BLCR to TS 38.300, 38.401, 38.423, 38.473) Remaining issues for AI/ML-based CCO (Nokia) | other |
| [R3-255498](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255498.zip) | Open issues on CCO issue (CATT) | discussion |
| [R3-255499](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255499.zip) | (TP for 38.423 and 38.473) Open issues on CCO issue (CATT) | other |
| [R3-255662](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255662.zip) | Discussion on AI/ML enabled CCO (Samsung) | discussion |
| [R3-255705](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255705.zip) | (TP to BLCR for TS 38.401, TS 38.423, TS 38.473 and TS 38.300) AIML based CCO (CMCC) | other |
| [R3-255729](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255729.zip) | Discussion on AI/ML assisted Coverage and Capacity Optimization (ZTE Corporation) | discussion |
| [R3-255730](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255730.zip) | [TP to 38.473] Support of AI/ML assisted Coverage and Capacity Optimization (ZTE Corporation) | other |
| [R3-255361](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255361.zip) | Discussion on feedback information for AI/ML-based Coverage and Capacity Optimization (Huawei, Jio Platforms, Deutsche Telekom, Orange, Vodafone) | discussion |
| [R3-255362](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255362.zip) | (TP for AIML BLCR to TS 38.423) Additional feedback information for AI/ML-based Coverage and Capacity Optimization (Huawei, Jio Platforms, Deutsche Telekom, Orange, Vodafone) | other |
| [R3-255363](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255363.zip) | Discussion on prediction update/cancel for AI/ML-based Coverage and Capacity Optimization (Huawei, Jio Platforms, Vodafone, Deutsche Telekom, Orange) | discussion |
| [R3-255364](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255364.zip) | (TP for AI/ML BLCR to TS 38.473) Replacing a predicted CCO assistance information previously signalled (Huawei, Jio Platforms, Vodafone, Deutsche Telekom, Orange) | other |
| [R3-255365](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255365.zip) | (TP for AI/ML BLCR to TS 38.423) Replacing a predicted CCO assistance information previously signalled (Huawei, Jio Platforms, Vodafone, Deutsche Telekom, Orange) | other |
| [R3-255466](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255466.zip) | Prediction time for CCO issue (Ericsson, Jio Platforms, Orange, InterDigital, BT, Deutsche Telekom, FiberCop) | discussion |
| [R3-255467](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255467.zip) | (TP for TS 38.423) - Prediction time for CCO issue (Ericsson, Jio Platforms, Orange, InterDigital, BT, Deutsche Telekom, FiberCop) | other |
| [R3-255468](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255468.zip) | Cancel or update a predicted CCO issue (Ericsson, Jio Platforms, Orange, InterDigital, Deutsche Telekom, FiberCop) | discussion |
| [R3-255469](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255469.zip) | (TP for TS 38.423) - Cancel or update a predicted CCO issue (Ericsson, Jio Platforms, Orange, InterDigital, Deutsche Telekom, FiberCop) | other |
| [R3-255470](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255470.zip) | (TP for TS 38.473) - Cancel or update a predicted CCO issue (Ericsson, Jio Platforms, Orange, InterDigital, Deutsche Telekom, FiberCop) | other |
| [R3-255588](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255588.zip) | AI/ML-Based CCO with Timing Aspects over Xn (Jio Platforms, Ericsson) | discussion |
| [R3-255589](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255589.zip) | (TP for AIML BLCR to TS 38.423) AI\_ML-Based CCO with timing aspects over XN (Jio Platforms, Ericsson) | discussion |
| [R3-255273](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255273.zip) | AI/ML enabled Coverage and Capacity Optimization (Ofinno, LLC) | discussion |
| [R3-255317](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255317.zip) | Discussion on remaining issues in AI/ML enabled CCO (Qualcomm Incorporated) | discussion |
| [R3-255396](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255396.zip) | Discussion on AI/ML based CCO (Lenovo) | discussion |
| [R3-255590](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255590.zip) | Discussion on update/cancel procedures for Predicted CCO issue vs. Detected CCO issue (Jio Platforms) | discussion |
| [R3-255745](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255745.zip) | Timing Information for AIML based CCO (Rakuten Mobile, Inc) | discussion |
| [R3-255441](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255441.zip) | (TP for AI/ML BLCR to TS 38.423) AI/ML-Based CCO with Timing Aspects over Xn (Jio Platforms) | discussionwithdrawn |
| [R3-255586](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255586.zip) | AI\_ML-Based CCO with Timing Aspects over Xn (Jio Platforms) | discussionwithdrawn |
| [R3-255587](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255587.zip) | (TP for AIML BLCR to TS 38.423) AI\_ML-Based CCO with timing aspects over XN (Jio Platforms) | discussionwithdrawn |
| **Stage 2 only** |
| [R3-255172](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255172.zip) | (TP to BL CR to 38.300) Support of AI/ML assisted CCO (ZTE Corporation, Lenovo, China Unicom) | other |
| [R3-255206](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255206.zip) | (TP to BLCR for TS38.300) AI/ML-based CCO (NEC) | other |
| [R3-255173](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255173.zip) | (TP to BL CR to 38.401) Support of AI/ML assisted CCO (ZTE Corporation, Lenovo, China Unicom, China Telecom) | other |
| **Addition of new code-point in predicted coverage modification cause (Xn) / predicted CCO issue (F1) to update/cancel a prediction?****Add a new “cancel” code-point in the Predicted Coverage Modification Cause IE (XnAP) and Predicted CCO Issue IE (F1AP).****Code-point is received with a list of affected cells and beams, and any previously received predicted CCO issue and future coverage state associated with the same list of affected cells and beams received with the cancel code-point will be cancelled.****Timing information for predicted CCO issue over Xn?**Add a semantic text to clarify the Time for Predicted CCO Issue IE is only present from gNB-CU to gNB-DU in the sending side.RAN3 to agree that, for the timing information, the gNB(-CU) which predicted the CCO issue sends to a neighbour gNB(-CU) over Xn also the Time for Predicted CCO Issue.E///, HW, Jio, InterDigital, Rakuten, BT: lack of timing information compromises the use of this feature**Whether/what additional UE performance measurement metrics?**No additional UE performance measurement metric is needed for CCO. **CB: # 12\_AIRAN\_CCO****- TP to capture the above agreements, including further stage 3 details**(Huawei) |
| 11.4. R18 leftovers *Support of the Leftovers in Rel-18 AI/ML for NG-RAN [RAN3]:** *Mobility Optimization for NR-DC*
* *Split architecture support for Rel-18 use cases*
* *Continuous MDT collection targeting the same UE across RRC states*

*From RAN3#128:**Continuous MDT**Information from OAM to participating nodes in the NG-RAN allowing for the identification of a continuous MDT process are provided in the form of specific MDT TR(s).**Solution for continuous MDT shall not have an impact on the 5GC in R19 from RAN3 perspective.**Agree to use TR(s) and TRSR(s) to resolve the MDT measurement correlation problem.**Split architecture**Introduce new IE to include DL and UL Packet Loss Rate at PDCP Level in R19 refer to SA5 spec**DL/UL UE Throughput Measurement will not be supported in split architecture in R19.**Introduce the start and stop indication over F1 for Delay measurement.* *Introduce Data Collection ID in UE associated messages over E1**Assign new BL CR for TS38.425 Nokia**Turn WA to agreement: Using the Legacy procedure, i.e., resource status initiation procedure & resource status report procedure to request and report measured EC over F1 interface.* |
| **Split architecture support** |
| [R3-255698](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255698.zip) | (TP to BLCR for TS 38.473) Transfor Energy Cost through F1\_v3 (CMCC, CATT, Huawei, Samsung, ZTE, Nokia, Ericsson) | other **Merged to F1AP TP for split architecture support** |
| [R3-255176](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255176.zip) | (TP to BL CR to 38.473) Remaining issues in F1AP for AI/ML for NG-RAN (ZTE Corporation) | other **Merged to F1AP TP for split architecture support** |
| [R3-255177](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255177.zip) | (TP to BL CR to 37.483) Remaining issues in E1AP for AI/ML for NG-RAN (ZTE Corporation) | otherFor inter-gNB HO, common understanding is Collection Time Duration for UE Performance is the same value as received over Xn from the source gNBNoted |
| [R3-255208](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255208.zip) | Clean-up for Split architecture support (NEC) | discussion |
| [R3-255318](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255318.zip) | Discussion on UE Performance Reporting for Split Architecture (Qualcomm Incorporated) | discussion |
| [R3-255368](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255368.zip) | Remaining open issues on split architecture support for Rel-18 “AI/ML for NG-RAN” use cases (Huawei) | discussion |
| [R3-255369](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255369.zip) | [Draft] LS reply to LS on energy saving for split gNB (Huawei) | LS out To: SA5 CC:  |
| [R3-255370](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255370.zip) | (TP for AI/ML BLCR to TS 38.473) F1AP enhancements for split architecture support for Rel-18 “AI/ML for NG-RAN” use cases (Huawei) | other |
| [R3-255371](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255371.zip) | (TP for AI/ML BLCR to TS 37.483) E1AP enhancements for split architecture support for Rel-18 “AI/ML for NG-RAN” use cases (Huawei) | other |
| [R3-255397](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255397.zip) | (TP to BLCR 37.483) UE performance collection via E1 interface after intra-CU-UP HO (Lenovo) | other |
| [R3-255454](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255454.zip) | Open points on UE Performance in Split Architecture (Nokia) | discussion |
| [R3-255455](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255455.zip) | (TP to TS 38.473, TP to TS 37.483) UE Performance in Split Architecture (Nokia) | other |
| [R3-255475](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255475.zip) | On LS discussions with SA5 on Packet loss measurements (Ericsson, Deutsche Telekom, Jio Platforms) | discussion |
| [R3-255476](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255476.zip) | Introduction of new packet loss metric in UE performance (Ericsson, Deutsche Telekom, Jio Platforms) | discussion |
| [R3-255477](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255477.zip) | (TP to 38.423) On packet loss metric in UE performance (Ericsson, Deutsche Telekom, Jio Platforms) | other |
| [R3-255502](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255502.zip) | (TP on 37.483 and 38.473) AI/ML for split scenario (CATT) | other |
| [R3-255664](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255664.zip) | Discusson on AI/ML for NG-RAN in split architecture (Samsung) | discussion |
| [R3-255666](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255666.zip) | Text proposals on the support of enhancements on AIML for NG-RAN (Samsung) | other |
| [R3-255452](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255452.zip) | (TP to TS 38.425) Stage 2 NR User Plane Updates (Nokia, FiberCop, Deutsche Telekom) | other |
| [R3-255699](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255699.zip) | (TP to BLCR for TS 38.425) Specify Delay for UE Performance Metric\_v3 (CMCC, Samsung, ZTE) | other |
| [R3-255700](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255700.zip) | (TP to BLCR for TS 38.470) F1-U function for AIML (CMCC) | other |
| [R3-255399](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255399.zip) | (TP to BLCR 38.401) AIML for RAN in split architecture (Lenovo, CATT, ZTE Corporation) | other |
| [R3-255451](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255451.zip) | (TP to TS 38.401) Stage 2 updates for split architecture support (Nokia, Deutsche Telekom, Orange) | other |
| [R3-255701](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255701.zip) | (TP to BLCR for TS 38.401) UE Performance Requirement for AIML in Split Architecture (CMCC) | other |
| **Capture the following exit conditions of termination of data collection in E1AP:****- the time since the bearer context was successfully established is equal to the value of the Collection Time Duration for UE Performance IE;****- UE moves to RRC\_INACTIVE or RRC\_IDLE state****Introduce UE performance Collection Configuration IE in the DATA COLLECTION REQUEST message.****For Packet Loss, align with XnAP TP agreed for slicing** **CB: # 13\_AIRAN\_SplitArch****- Capture above agreements in E1AP TP****- Merge agreements in 5698 and 5176 in F1AP TP****- Whether the Data Collection ID should be included in the BEARER CONTEXT MODIFICATION REQUEST?****- Check correction for 38.425 in 5452****- Check Stage 2**(CATT) |
| **Mobility optimization for NR-DC** |
| [R3-255175](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255175.zip) | (TP to BL CR to 38.423) Addition of predicted PSCell ID within DC procedure (ZTE Corporation, Samsung, Qualcomm, China Unicom, CMCC, CATT, Ofinno) | other |
| [R3-255207](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255207.zip) | Clean-up for NR-DC mobility optimization (NEC) | discussion |
| [R3-255274](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255274.zip) | Mobility Optimization for NR-DC (Ofinno, LLC) | discussion |
| [R3-255275](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255275.zip) | (TP for BLCR to 38.423) Mobility Optimization for NR-DC (Ofinno, LLC) | other |
| [R3-255366](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255366.zip) | Discussion on assistance information for SN configuration in AI/ML-based Mobility Optimization in NR-DC (Huawei, Nokia) | discussion |
| [R3-255367](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255367.zip) | (TP for AI/ML BLCR to TS 38.423) Discussion on UE performance feedback for AI/ML-based Mobility Optimization in NR-DC (Huawei) | other |
| [R3-255398](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255398.zip) | (TP to BLCR 37.340) Discussion on UE performance collection in AIML for NR-DC (Lenovo) | other |
| [R3-255453](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255453.zip) | (TP to TS 38.423) Remaining issues for AI/ML Mobility Optimization in NR-DC (Nokia) | other |
| [R3-255473](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255473.zip) | AI/ML support for NR-DC (Ericsson, Jio Platforms) | discussion |
| [R3-255474](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255474.zip) | (TP to TS 38.423) AI/ML support for NR-DC (Ericsson, Jio Platforms) | other |
| [R3-255500](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255500.zip) | (TP on 37.340) Discussion on AI/ML in DC scenario (CATT) | other |
| [R3-255501](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255501.zip) | (TP for 38.423) AI/ML in DC scenario (CATT) | other |
| [R3-255663](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255663.zip) | Discussion on AI/ML for mobility in NR-DC (Samsung) | discussion |
| [R3-255696](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255696.zip) | Discussion on AIML based Mobility Optimization for NR-DC (CMCC) | discussion |
| [R3-255697](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255697.zip) | (TP to BLCR for TS 38.423) AIML based Mobility Optimization for NR-DC (CMCC) | other |
|  **CB: # 15\_AIRAN\_NRDC****- Check remaining issues for NR-DC including UE performance granularity**(Nokia) |
| **Continuous MDT collection** |
| [R3-255174](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255174.zip) | Way forward on Continuous MDT collection (ZTE Corporation) | discussionNoted |
| [R3-255478](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255478.zip) | (TP to 37.320) - Continuous MDT collection targeting the same UE across RRC states (Ericsson, ZTE Corporation, BT, Deutsche Telekom, InterDigital, Jio Platforms) | other |
| [R3-255479](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255479.zip) | (TP for AI/ML BLCR to TS38.423) Continuous MDT collection targeting the same UE across RRC states (Ericsson, ZTE Corporation, BT, Deutsche Telekom, InterDigital, Jio Platform) | other |
| [R3-255665](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255665.zip) | Further Discussion on continuous MDT collection (Samsung) | discussion |
|  **CB: # 14\_AIML\_Stage2Others****- Check remaining issues for NR-DC****- TP for 38.300, 38.401 37.340, 37.320 with all relevant agreements including Continuous MDT if agreeable**(Ericsson) |
| **12. Additional topological enhancements for NR WI (RAN3-led)**WID [NR\_WAB\_5GFemto-Core]: [RP-243009](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_106/Docs/RP-243009.zip) (target: RAN #109) [TU: 1.5] |
| 12.1. General*Work plan, BL CRs* |
| [R3-255049](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255049.zip) | (BL CR to 38.305 for WAB) Support of Location Service Involving WAB-Nodes (ZTE Corporation, Nokia, Nokia Shanghai Bell, Ericsson, Qualcomm, Lenovo, CATT, Samsung, Huawei, China Telecom) | draftCR |
|  |
| [R3-255050](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255050.zip) | (BL CR to 38.401 for WAB) Support for Wireless Access Backhaul (Ericsson, ZTE, Nokia, Nokia Shanghai Bell, Huawei, Samsung, Lenovo, Qualcomm, Jio Platforms) | CR0439r9, TS 38.401 v18.6.0, Rel-19, Cat. B |
| [R3-255052](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255052.zip) | (BL CR to 38.413 for WAB) Support for Wireless Access Backhaul (Huawei, Ericsson, Nokia, Nokia Shanghai Bell, China Telecom, ZTE, Qualcomm, Samsung, CATT, Jio Platforms (JPL), Lenovo) | CR1263r4, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255053](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255053.zip) | (BL CR to 38.423 for WAB) Support for Wireless Access Backhaul (Nokia, Nokia Shanghai Bell, Ericsson, ZTE, LG Electronics, Qualcomm, Huawei, China Telecom, Samsung, Lenovo) | CR1487r2, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255054](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255054.zip) | (BL CR to 38.455 for WAB) Support of Location Service Involving WAB-Nodes (Lenovo, ZTE Corporation, Nokia, Nokia Shanghai Bell, Ericsson, Qualcomm, CATT, Samsung, Huawei, China Telecom, Jio Platforms (JPL)) | CR0189r3, TS 38.455 v18.6.0, Rel-19, Cat. B |
| [R3-255051](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255051.zip) | (BL CR to 38.410 for Femto) Introduction of NR Femto in NGAP list of functions (ZTE Corporation, Nokia, Baicells) | CR0052r5, TS 38.410 v18.3.0, Rel-19, Cat. B |
| [R3-255055](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255055.zip) | (BL CR to 38.300 for Femto) Introduction of NR Femto Architecture and Protocol Aspects (Ericsson, Nokia, TMO US, AT&T, Verizon Wireless, BT, Charter, Huawei, LG Electronics, Samsung, Lenovo, Baicells, ZTE, NEC, CATT, Qualcomm) | draftCR |
| [R3-255056](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255056.zip) | (BL CR to TS 38.413 for Femto) Support of NR Femto architecture with NR Femto Gateway (Nokia, Huawei) | CR1232r5, TS 38.413 v18.6.0, Rel-19, Cat. B |
| **12.2. Wireless Access Backhaul (WAB)** **QUOTA: 2***Specifications for the support of WAB including [RAN3]:** *Support of a WAB-node including a WAB-gNB and a WAB-MT.*
* *Support of backhauling of the WAB-gNB’s NG, Xn and OAM traffic over the WAB-MT’s PDU session(s).*
* *Support of Xn interface(s) by the WAB-gNB with the WAB-MTs serving BH RAN node and with other surrounding gNBs, including how to avoid setting up Xn between WAB-gNBs.*
* *Defining the behaviour of WAB-node in case the authorization status of WAB-MT and/or WAB-gNB changes.*
* *Network integration procedures for WAB nodes.*
* *Handling of WAB-gNB’s traffic (including Xn, NG and OAM traffic) during WAB-node mobility, including the case where the WAB-MT’s BH PDU session changes.*
* *Support the UE’s AMF change for UEs connected to, or camped on, a WAB-gNB.*
* *UE’s ULI that reflect the WAB node’s location.*
* *The handling of:*

*- PCI collision avoidance.**- Reconfiguration of TAC and RANAC on WAB-gNBs.**- Mechanisms to avoid multi-hop WAB topology.**- Radio-resource coordination between access and backhaul links.**- NG connection management.* *NOTE 1: For PCI collision avoidance and reconfiguration of TAC and RANAC on WAB-gNBs, follow the conclusion of mobile IAB.**NOTE 2: NG connection management should take the NTN conclusion into account, avoiding parallel discussions.**NOTE 3: No impact on the UE.**NOTE 4: Coordination with other WGs (e.g. SA2, RAN2) when needed.**NOTE 5: Backhaul link for WAB-MT can be TN or NTN.**NOTE 6: Mobility procedures to be used for the UEs served by a WAB-gNB are legacy UE mobility procedures. Mobility of the WAB-MTs is based on legacy UE mobility procedures.**NOTE 7: The interface between the WAB-MT and the co-located WAB-gNB is out-of-scope for the normative phase.**NOTE 8: Split architecture of the WAB-gNB is out-of-scope for the normative phase.**NOTE 9: RAN2 impact should be identified as early as possible, and should be minimal.* *From RAN3#128:**The “WAB-MT ID” sent from the WAB-gNB to the BH-gNB consists of the WAB-MT’s C-RNTI assigned by the BH-gNB and the cell id of BH-gNB´s cell serving the WAB MT.**It is possible to establish an Xn connection between two WAB-gNBs. It is possible to prevent establishment of such connections.**The WAB-gNB should be notified about the target BH-gNB before the WAB-MT HO.**The BH-gNB can provide the TNL information of neighbour gNBs to the WAB node.**Adopt the following principles for WAB resource coordination:** *The specifications shall not define any priority between the WAB-gNB or the BH-gNB on how to split resources.*
* *It needs to be further discussed if time domain and/or frequency domain coordination is supported*
* *It needs to be further discussed if indication of soft resources (the “S” in HSNA) is supported.*
* *It needs to be further discussed if only the WAB-gNB should be able to indicate the hard/not available resource allocation.*
* *It is FFS whether to send an LS to RAN1/RAN2 on the above “to be continued” points*

*If non-terrestrial link is used between WAB MT and BH gNB and/or between BH gNB and BH CN, the WAB-gNB informs UE’s CN that the BH includes a non-terrestrial link.**FFS how a WAB node know the BH-gNB is using a non-terrestrial link. Possible options include BH-gNB informs WAB-gNB via Xn.*  |
| [R3-255156](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255156.zip) | Functional Aspects of WAB-Nodes (Ericsson, Jio Platforms) | discussion |
| [R3-255157](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255157.zip) | (TP for WAB BL CR for TS 38.401) Functional Aspects of WAB-Nodes (Ericsson, Jio Platforms) | other |
| [R3-255169](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255169.zip) | Remaining aspects for the support of WAB (CANON Research Centre France) | discussion |
| [R3-255202](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255202.zip) | (TP to BL CR of 38.423 on WAB) Discussion on access and reliability for WAB (NEC) | other |
| [R3-255224](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255224.zip) | (TP to 38.423, 38.473) Supporting resource coordination in WAB (ZTE Corporation) | other |
| [R3-255225](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255225.zip) | (TP to 38.401, 38.413) Remaining issues for WAB (ZTE Corporation) | other |
| [R3-255243](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255243.zip) | (TP for to BLCR for TSto 38.401) On remaining issues of WAB (CATT) | other |
| [R3-255244](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255244.zip) | On resource coordination for WAB (CATT) | discussion |
| [R3-255252](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255252.zip) | Remaining issues of WAB (Qualcomm Inc.) | discussion |
| [R3-255253](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255253.zip) | (TP to TS 38.401) WAB resource coordination (Qualcomm Inc.) | other |
| [R3-255254](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255254.zip) | BL draft CR to TS 38.300 on Support of WAB (Qualcomm, Ericsson, CATT, ZTE, Nokia, Nokia Shanghai Bell) | draftCR |
| [R3-255290](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255290.zip) | (TP for TS 38.401) Discussion on NG management and Xn management for WAB (Nokia, Nokia Shanghai Bell) | other |
| [R3-255291](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255291.zip) | (TP to BL CR for TS 38.413 and TS 38.423) Enhancement for WAB (Nokia, Nokia Shanghai Bell) | other |
| [R3-255400](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255400.zip) | (TP to BLCR 38.423) Xn management for WAB-node (Lenovo) | other |
| [R3-255401](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255401.zip) | (TP to BLCR 38.413) Discussion on remaining issues for WAB-node (Lenovo) | other |
| [R3-255411](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255411.zip) | (TPs for WAB BL CRs) Architecture, Access Control and Additional ULI for WAB (Huawei) | other |
| [R3-255412](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255412.zip) | (TP for WAB BL CRs) Radio Resource Multiplexing Coordination for WAB-node (Huawei) | other |
| [R3-255523](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255523.zip) | Way Forward On Multi-hop Prevention for WAB (China Telecom, CATT, Huawei, DoCoMo, Lenovo, Samsung, NEC) | discussion |
| [R3-255591](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255591.zip) | Discussion on remaining issues for WAB (LG Electronics) | discussion |
| [R3-255599](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255599.zip) | (TP to TS 38.401, 38.413 and 38.423) TP for WAB support (LG Electronics) | other |
| [R3-255609](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255609.zip) | Discussion on Wireless Access Backhaul (NTT DOCOMO INC.) | discussion |
| [R3-255631](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255631.zip) | (draft LS) Discussion on the left issues for WAB (Samsung) | discussion |
| [R3-255632](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255632.zip) | (TP to BLCR for TS 38.423) Enhancements for WAB (Samsung) | other |
| [R3-255673](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255673.zip) | [Draft] LS on Multi-hop Topology Avoidance for WAB (CATT, China Telecom, Huawei, NTT Docomo, Lenovo, Samsung, NEC) | LS out To: RAN2 CC: SA2 |
| **12.3. 5G Femto** **QUOTA: 2***The objectives of the 5G Femto work are as follows:* * *Specification to support NR Femto architecture with optional NR Femto GW for NG interface [RAN3].*
* *Specification to support access control for NR Femtos operating in open, hybrid and closed modes reusing existing CAG functionality [RAN3].*

*NOTE 10: For NR Femto access control, only stage 2 impact is expected on this objective.**NOTE 11: Coordination with other WGs (e.g. SA2, SA3) when needed.**From RAN3#128:**Agree to capture security aspects confirmed by SA3 in a TP to the BLCR to TS38.300**To be continued: discuss and converge on the text for a TP to the BLCR to TS38.300**To be further discussed: whether to send a specific Femto indication in the NG: Initial UE message, from NR Femto to enable control of sending Allowed PNI NPN List or not.**Agree to adopt the term NR Femto Node and reflect that in a revision of R3-253450.**RAN3 to replace the term “requested S-NSSAI” with “requested NSSAI” in the BL CR to TS 38.413.* |
| [R3-255162](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255162.zip) | [TP for BL CR NR Femto TS 38.413] Completion of open points of NR Femto (Nokia) | other |
| [R3-255163](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255163.zip) | [TP for BL CR NR Femto TS 38.413] Paging issue with NR Femtos (Nokia) | other |
| [R3-255226](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255226.zip) | Discussion on IP version selection at Femto GW (ZTE Corporation, China Telecom, Samsung, Baicells, Pengcheng Laboratory) | discussion |
| [R3-255227](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255227.zip) | (TP to TS 38.300) on support of Femto (ZTE Corporation) | other |
| [R3-255246](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255246.zip) | (TP to BLCR for TS 38.300) Miscellaneous corrections for NR Femto (CATT) | other |
| [R3-255245](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255245.zip) | Discussion on remain issue of NR Femto (CATT) | discussion |
| [R3-255413](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255413.zip) | (TP for Femto BL CR for TS 38.300/38.413) Discussion on NG mobility impact for NR Femto (Huawei, Ericsson, Qualcomm) | other |
| [R3-255380](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255380.zip) | On remaining issues for NR Femto (China Telecom) | discussion |
| [R3-255402](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255402.zip) | Discussion on remaining issues for NR Femto (Lenovo) | discussion |
| [R3-255414](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255414.zip) | (TP for Femto BL CR for TS38.300) Discussion on NR Femto awareness at CN (Huawei) | other |
| [R3-255415](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255415.zip) | (TP for Femto BL CRs for TS 38.413) NR Femto awareness at CN (Huawei) | other |
| [R3-255540](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255540.zip) | NR Femto Indication in NGAP (Ericsson, Qualcomm Incorporated) | discussion |
| [R3-255612](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255612.zip) | Discussion on 5G Femto (NTT DOCOMO INC.) | discussion |
| [R3-255633](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255633.zip) | Discussion on the left issues for NR Femto (Samsung) | discussion |
| [R3-255634](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255634.zip) | (TP to BLCR for TS 38.300) Security verification for NR Femto (Samsung) | other |
| [R3-255744](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255744.zip) | (TP to TS 38.413) on support of Femto (ZTE Corporation) | other |
| **13. NR Mobility Enhancements WI** WID [NR\_Mob\_Ph4-Core]: [RP-250339](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 3** |
| 13.1. General*Work plan, BL CRs* |
| [R3-255057](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255057.zip) | (BL CR to 37.483) Introducing Rel-19 Mobility enhancement (LG Electronics Inc., Nokia, China Telecom, Google, Ericsson, CATT, Qualcomm, Samsung, CMCC, ZTE, Huawei, NTT Docomo, Lenovo, NEC, Ofinno, Jio Platforms (JPL)) | CR0130r9, TS 37.483 v18.5.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255058](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255058.zip) | (BL CR to 38.420) Support for Inter-CU LTM (ZTE Corporation, China Telecom, Samsung, Nokia, CATT, NEC, LG Electronics, Ericsson, Huawei, Lenovo) | CR0046r7, TS 38.420 v18.1.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255059](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255059.zip) | (BL CR to 38.470) Support for Inter-CU LTM procedure (Samsung, Huawei, LG Electronics, Ericsson, China Telecom, Nokia, ZTE Corporation, CATT) | CR0164r3, TS 38.470 v18.5.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255060](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255060.zip) | (BL CR to 37.340) stage 2 for inter-CU LTM in NR-DC (CATT, China Telecom, Huawei, Nokia, LG Electronics, Google, Samsung, Ofinno, Ericsson, Lenovo, NEC, ZTE, Qualcomm) | DraftCR **Endorsed as BLCR** |
| [R3-255061](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255061.zip) | (BL CR to 38.300) Support for Inter-CU LTM (Nokia, Huawei, Google, China Telecom, NEC, Ericsson, LGE, ZTE, CATT, Samsung, Ofinno) | DraftCR **Endorsed as BLCR** |
| [R3-255062](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255062.zip) | (BL CR to 38.401) on conditional intra-CU LTM and intra-CU LTM (China Telecom, ZTE Corporation, NEC, Samsung, Nokia, Google, Huawei, Ericsson, LG Electronics, Qualcomm, Jio Platforms) | CR0462r5, TS 38.401 v18.6.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255064](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255064.zip) | (BL CR to 38.423 for DC) Xn support for inter-CU LTM in DC (Lenovo, Ericsson, CATT, Huawei, Ofinno, Nokia, NEC, LGE, China Telecom, Google, ZTE, Samsung) | CR1488r3, TS 38.423 v18.6.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255065](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255065.zip) | (BL CR to 38.473) Inter-CU LTM and intra-CU conditional LTM (Huawei, Nokia, Samsung, Google, NEC, China Telecom, Ericsson, LG Electronics, CATT, Ofinno, ZTE, Lenovo, Qualcomm Incorporated, Jio Platforms) | CR1547r6, TS 38.473 v18.6.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255715](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255715.zip) | (BL CR to 38.423) Xn support for inter-CU LTM (Ericsson, Samsung, Nokia, China Telecom, CATT, Huawei, Google, Lenovo, NEC, ZTE, LG Electronics, Ofinno, Qualcomm) | CR1414r11, TS 38.423 v18.6.0, Rel-19, Cat. B **Endorsed as BLCR** |
| [R3-255063](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255063.zip) | (BL CR to 38.423) Xn support for inter-CU LTM (Ericsson, Samsung, Nokia, China Telecom, CATT, Huawei, Google, Lenovo, NEC, ZTE, LG Electronics, Ofinno, Qualcomm) | CR1414r10, TS 38.423 v18.6.0, Rel-19, Cat. Bwithdrawn |
| 13.2. Support for inter-CU LTM*Specify support for inter-CU Layer1/Layer 2 Triggered Mobility (LTM) [RAN2, RAN3]** *Prioritize the case when CU is acting as MN when DC is not configured*
* *When DC is configured, inter-CU LTM can be configured either in MN or in SN but not both at the same time. For such cases:*
* *As secondary priority, support the case where CU is acting as SN and MN is unchanged*
* *As secondary priority, support the case where CU is acting as MN and SN is unchanged or SN is released*
* *Specify support for subsequent LTM mobility procedures aiming to avoid RRC configuration between cell switches as per Rel-18 LTM*
* *Coordination with SA3 needed with respect to security key handling*

*Note: Rel. 18 intra-CU LTM procedure is considered as baseline for adding inter-CU support**From RAN3#128:*Inter-CU LTM:*WA: RAN3 agrees that, for both F1AP and XnAP, the activation and deactivation of CSI-RS transmission in LTM candidate cells are performed at the level of individual CSI-RS Resource IDs.**Add description in Stage 2 TS 38.401 for describing that CU can request Candidate DU to provide CSI-RS configuration in UE CONTEXT SETUP REQUEST message, and Candidate DU signals the CSI-RS configuration in UE CONTEXT SETUP RESPONSE message.**For Inter-CU LTM, LTM CONFIGURATION UPDATE procedure is per node level basis with a list of cells, and security key is per cell.**Remove Note in TS 38.300 BL CR “Editor’s Note: step 6 and 7 are optional.”*Inter-CU LTM in DC:*Update the text description of CELL SWITCH NOTIFICATION message to capture the RAN3#127bis agreement: Include the target PSCell ID and corresponding TCI State ID(s) in the Cell Switch Notification message, and reusing the existing IEs.**Update the TA INFORMATION TRANSFER message to provide a list of TA values of multiple candidate cells.**The SCG reference configuration is provided by an implicit way in the CG-Config RRC container in the SN Change Required message. FFS on the SN Addition Request Acknowledge message from the source SN/candidate SN to the MN.* *The SCG reference configuration is provided by an implicit way in the CG-ConfigInfo RRC container in the SN Addition Request message from the MN to the candidate SN.**A per cell indicator indicating complete candidate configuration is included in the SN Addition Request Acknowledge message.**The SN Change Required message and the SN Modification Request message from MN to source SN should design a mechanism to support multiple candidate SNs, i.e., SN can include multiple candidate SNs information in a single SN Change Required message, and MN includes multiple candidate SNs information in a single SN Modification Request message.**The SN Addition Request message should design a mechanism to support single candidate SN, i.e., MN sends SN addition request towards only one candidate SN.**Update the online agreement to: CU can request Candidate DU to provide CSI-RS configuration in UE CONTEXT SETUP REQUEST and UE CONTEXT MODIFICATION REQUEST message, and Candidate DU signals the CSI-RS configuration in UE CONTEXT SETUP RESPONSE and UE CONTEXT MODIFICATION RESPONSE message.**Reuse the CSI-RS coordination procedure over F1AP and XnAP for source gNB/gNB-DU to activate or deactivate the SP CSI-RS resource for CSI acquisition in candidate cell.**In Xn interface, candidate gNB provides the LTM CFRA Resource Configuration of each candidate cell to source gNB for LTM cell switch command generation.**Source gNB generate the UE Based TA Measurement Configuration, and transfer it to all candidate gNB(s) via LTM Configuration Update message.**Include the Rel-19 set IDs of source cell and each candidate cell(s) in UE Context Modification Request message. Introduce Rel-19 set IDs into LTM Security Information IE.**FFS on the Rel-19 Set ID(s) assignment among CUs, down select from Option1 and Option2:**Option 1: Source gNB sends the Rel-19 Set ID(s) or Rel-19 set ID range assigned to the candidate gNB in the HANDOVER REQUEST message, then candidate gNB assigns Rel-19 set ID(s) to its own candidate cells and feedback via HANDOVER REQUEST ACKNOWLEDGE message.**Option 2: Candidate gNB provides Rel-19 set ID per candidate cell in HANDOVER REQUEST ACKNOWLEDGE message, then source gNB may update the Rel-19 set ID to ensure that the Rel-19 set IDs under different candidate gNB-CU are different.**FFS on the procedure to be used for source gNB to transfer Rel-19 set ID per candidate cell to the candidate gNB.**FFS on whether gNB-DU/gNB provides the report type (periodic or semi-persistent) of the CSI-RS resources in both F1AP and XnAP.**FFS on whether the TCI State/QCL-info List needs to be included in CSI-RS COORDINATION procedure.**FFS on whether to include the SP CSI-RS and SSB mapping in the HANDOVER REQUEST ACKKNOLEDGE message and UE Context Modification Request message.* *FFS on whether to add a new IE for SP CSI-RS resource for CSI acquisition in the corresponding procedure of SP CSI-RS resource for L1 RSRP measurement in F1AP and XnAP.**The suggested PSCell list should be explicitly included in the SN Change Required message.**The maximum number of PSCells that can be prepared by each candidate SN is included in the SN Change Required message.* *The LTM Configuration ID Mapping List IE may be included in the SN Change Required message and the SN Addition Request message.* *The LTM Security Configuration List IE including a list of pair of {security key, sk-counter} is included in the SN Addition Request message and the SN Modification Request message to support subsequent inter-CU SCG LTM.**The SN Security Key IE included in the SN Addition Request message should be ignored if the procedure is triggered for the LTM.**WA: Different candidate PSCells in the same SN can have different Rel-19 set IDs. FFS on the solutions. Try to reuse the same solution for inter-CU LTM.**If the source SN has the SCG reference configuration, the source SN will provide the SCG reference configuration in the SN Change Required message and thus the MN will not request source SN to provide the SCG reference configuration.**Early data forwarding is supported in inter-CU LTM in DC.**Normal data forwarding can be initiated after the source SN decides to trigger the LTM cell switch for the UE. The exact timing of its initiation is left to implementation.* *Enhance XN-U ADDRESS INDICATION message and define IE to cover Inter-CU MCG LTM case. FFS on Inter-SN LTM case.* *MN uses SN modification request message to notify the Source SN that UE has successfully accessed to the target SN. FFS whether Handover Success is used from the target-SN to the MN to notify that UE has successfully accessed to the target SN.* *The source SN generates the common LTM CSI resource configuration for inter-CU SCG LTM and then provides the common LTM CSI resource configuration to the MN via the SN Modification Request ACK message.**For the SSB based L1 measurement, the common CSI resource configuration may be included in the SN Change Required message and the SN Addition Request message.* *The CSI Resource Configuration IE is the common CSI resource configuration, which refers to the ltm-CSI-ResourceConfig-r18 IE in the RRC spec.**The L1 Configuration IE is the L1 RS configuration per candidate PSCell, which refers to the ltm-SSB-Config-r18 IE in the RRC spec for the SSB based L1 measurement, or the ltm-NZP-CSI-RS-ResourceConfigToAddModList-r19 IE associated with the ltm-NZP-CSI-RS-ResourceSetToAddModList-r19 IE in the RRC spec for the CSI-RS based L1 measurement.**For the avoidance of simultaneous configurations of inter-CU MCG LTM and inter-CU SCG LTM, no RAN3 impact is foreseen.**FFS on whether LTM modification/cancel related procedures are needed.**The SP CSI-RS activation/(de)activation for the inter-CU LTM in DC is deprioritized in rel-19.* |
| [R3-255011](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255011.zip) | LS on RAN2 agreements for SP CSI-RS activation/deactivation (RAN2(CATT)) | LS innoted |
| [R3-255027](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255027.zip) | Reply LS on security handling for inter-CU LTM in non-DC cases (SA3(Huawei)) | LS innoted |
| [R3-255426](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255426.zip) | [DRAFT] Reply LS on security handling for inter-CU LTM in non-DC cases (Huawei) | LS out To: SA3 CC: RAN2 |
| [R3-255772](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255772.zip) | Summary of offline discussion on inter-CU LTM(China Telecom) | discussion |
| [R3-255625](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255625.zip) | Fetching reference configuration from candidate gNB in inter-CU LTM (Huawei, Google, Nokia, Jio Platforms, CATT, CMCC, NTT Docomo, Lenovo, China Telecom, Samsung) | discussion |
| [R3-255724](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255724.zip) | Support for Semi-persistent CSI-RS transmission (Ericsson, Jio Platforms, Verizon Wireless, ZTE, Ofinno) | discussion |
| [R3-255532](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255532.zip) | PRACH resources for RACH-less LTM (Ericsson, Jio Platforms, Lenovo, NTT DoCoMo) | discussion |
| [R3-255138](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255138.zip) | TP (BL CR TS 38.300, TS 38.473, TS 38.423) Remaining issues on Inter-CU LTM procedure (Nokia) | other |
| [R3-255374](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255374.zip) | (TP for TS38.401) On support of inter-CU LTM (China Telecom) | other |
| [R3-255197](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255197.zip) | (TP to BL CR for TS 38.423 and 38.473 on Inter-CU LTM) Remaining Rel-19 inter-CU LTM issues (NEC) | other |
| [R3-255268](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255268.zip) | Completion of Inter-CU LTM (Ericsson) | discussion |
| [R3-255424](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255424.zip) | (TP for LTM BLCR for TS38.300): Inter-CU LTM (Huawei) | other |
| [R3-255149](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255149.zip) | (TP to 38.423, 38.473) Inter-CU LTM (ZTE Corporation) | other |
| [R3-255659](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255659.zip) | (TP to BLCR for TS38.423 and TS38.473) Inter-gNB-CU LTM (Samsung) | discussion |
| [R3-255301](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255301.zip) | Signalling enhancements for Inter-CU LTM handover (Qualcomm India Pvt Ltd) | discussionmoved from 13.3 |
| [R3-255421](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255421.zip) | Discussion on inter-CU LTM (NTT DOCOMO INC..) | discussion |
| [R3-255604](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255604.zip) | Discussion for general issues in Inter-CU LTM (CATT) | discussion |
| [R3-255403](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255403.zip) | [TP to BLCR for TS 38.401] Inter-CU LTM (Lenovo) | other |
| [R3-255614](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255614.zip) | Discussions on finalizing the essential aspects of Inter-CU LTM (LG Electronics Inc.) | discussion |
| [R3-255550](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255550.zip) | gNB-DU initiated LTM resource reconfiguration (Rakuten Mobile Inc, Qualcomm Inc, NTT DOCOMO INC) | discussion |
| [R3-255150](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255150.zip) | (TP to BL CR for TS 38.300, 38.473, 38.423) Rel-19 Set ID assignment (ZTE Corporation) | other |
| [R3-255375](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255375.zip) | Discussion on inter-CU LTM in DC scenario (China Telecom) | discussion |
| [R3-255139](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255139.zip) | Discussion on Inter-CU LTM with Dual Connectivity (Nokia) | discussion |
| [R3-255660](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255660.zip) | Additional Discussion on inter-gNB-CU LTM (Samsung) | discussion |
| [R3-255198](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255198.zip) | (TP to BL CR for TS 38.423 and 37.340 on Inter-CU LTM with DC) Remaining issues of Rel-19 inter-CU LTM in DC scenario (NEC) | other |
| [R3-255404](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255404.zip) | [TP to BLCR for TS 38.423] Inter-CU LTM in DC (Lenovo) | other |
| [R3-255418](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255418.zip) | (TP to BL CR 38.423) Clarification on inter-CU LTM and LTM with SCG in NR-DC (Google) | other |
| [R3-255419](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255419.zip) | (TP to BL CR 37.340 and 38.473) Clarification on inter-CU LTM and LTM with SCG in NR-DCs (Google) | other |
| [R3-255283](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255283.zip) | Open Issues on Access Success for Inter-SN SCG LTM (Ofinno, LLC) | discussion |
| [R3-255281](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255281.zip) | Remaining Issues on Data Forwarding for SN initiated Inter-SN LTM (Ofinno, LLC) | discussion |
| [R3-255282](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255282.zip) | (TP for TS 38.423) Cell Switch Notification for LTM DC Scenario (Ofinno, LLC) | other |
| [R3-255269](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255269.zip) | (TP for LTM BL CR for TS 38.423, TS 38.473, TS 38.300, TS 38.401) – Support for inter-CU LTM (Ericsson) | other |
| [R3-255405](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255405.zip) | [TP to BLCR for TS 38.423] Inter-CU LTM in DC - text update (Lenovo) | other |
| [R3-255425](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255425.zip) | (TP for LTM BLCR for TS38.473):Inter-CU LTM (Huawei) | other |
| [R3-255440](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255440.zip) | (TP for LTM CR for TS38.423): LTM Resource Lifecycle Management in inter-CU LTM (Jio Platforms) | discussion |
| [R3-255533](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255533.zip) | (TP to BL CR for TS 38.423) – PRACH Resources for RACH-less LTM (Ericsson, Jio Platforms, Lenovo, NTT DoCoMo) | other |
| [R3-255534](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255534.zip) | (TP to BL CR for TS 38.473) – PRACH Resources for RACH-less LTM (Ericsson, Jio Platforms, Lenovo, NTT DoCoMo) | other |
| [R3-255601](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255601.zip) | Inter-CU LTM Robustness Enhancements (Jio Platforms) | discussion |
| [R3-255605](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255605.zip) | (TP to BL CR for TS37.340) Discussion for Inter-CU LTM in DC (CATT) | discussion |
| [R3-255615](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255615.zip) | (TP for NR\_Mob\_Ph4 TS 38.423) Inter-CU LTM (LG Electronics Inc.) | other |
| [R3-255626](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255626.zip) | (TP for LTM BLCR for TS38.423): Fetching reference configuration from candidate gNB in inter-CU LTM (Huawei, Google, Nokia, Jio Platforms, CATT, CMCC, NTT Docomo, Lenovo, China Telecom, Samsung) | other |
| [R3-255627](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255627.zip) |  (TP for LTM BLCR for TS38.300): Fetching reference configuration from candidate gNB in inter-CU LTM (Huawei, Google, Nokia, Jio Platforms, CATT, CMCC, NTT Docomo, Lenovo, China Telecom, Samsung) | other |
| [R3-255628](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255628.zip) | Clarification on the single UE XnAP association in inter-CU LTM (Huawei, NEC, LG Electronics) | discussion |
| [R3-255629](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255629.zip) | (TP for LTM BLCR for TS38.300): Clarification on the single Xn UE association in inter-CU LTM (Huawei, NEC, LG Electronics) | other |
| [R3-255630](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255630.zip) | (TP for LTM BLCR for TS38.423): Clarification on the single Xn UE association in inter-CU LTM (Huawei, NEC, LG Electronics) | other |
| [R3-255725](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255725.zip) | (TP to BL CR for TS 38.423) Support for Semi-persistent CSI-RS transmission (Option 1) (Ericsson, Jio Platforms, Verizon Wireless, ZTE) | other |
| [R3-255726](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255726.zip) | (TP to BL CR for TS 38.473) Support for Semi-persistent CSI-RS transmission (Option 1) (Ericsson, Jio Platforms, Verizon Wireless, ZTE) | other |
| [R3-255727](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255727.zip) | (TP to BL CR for TS 38.423) Support for Semi-persistent CSI-RS transmission (Option 2) (Ericsson, Jio Platforms, Verizon Wireless, ZTE) | other |
| [R3-255728](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255728.zip) | (TP to BL CR for TS 38.473) Support for Semi-persistent CSI-RS transmission (Option 2) (Ericsson, Jio Platforms, Verizon Wireless, ZTE) | other |
| **Confirm to have the explicit Request for CSI-RS Resource Configuration indicator in the Handover Request message.**FFS candidate gNB provides the CSI resource config in XnAP.**The candidate gNB/gNB-DU provides the CSI-RS Report configuration for CSI Acquisition separately via a new IE (e.g., refers to ltm-CSI-ReportConfig-r19) during the preparation phase.** FFS on the detail of the messages, e.g. Xn HANDOVER REQUEST ACKNOWLEDGEMENT, F1 UE CONTEXT SETUP RESPONSE messages. Further check the LTM Configuration Update Acknowledge message and UE Context Modification Response message.RAN3 agrees that, for both F1AP and XnAP, the activation and deactivation of CSI-RS transmission in LTM candidate cells are performed at the level of individual CSI-RS Resource IDs.CATT: request and response messages include different IDs, e.g. CSI-RS Resource ID and CSI-RS Resource config ID.E///: CSI-RS Resource config ID is clean solution.**For deactivation of SP CSI-RS of candidate cell(s) after the UE’s successful cell switch, the CSI-RS Coordination procedure is re-used, triggered by the previous serving gNB-CU after successful cell switch is confirmed, and toward the relevant candidate gNB-DU(s) and gNB-CU(s).**FFS source CU sends the Rel-19 Set ID per candidate cell or Rel-19 Set ID range/list of Rel-19 Set ID per-node to candidate CUs. Down-selection of two candidate solutions.**Agree to reuse LTM Configuration Update message to transfer Rel-19 set ID per candidate cell to the candidate CUs.****Once the UE XnAP association is setup, the source gNB includes the target NG-RAN node UE XnAP ID in the handover request message for any follow-up preparation.****To clarify that the “old target UE XnAP ID” is the target UE XnAP ID allocated by the candidate gNB after last LTM cell switch e.g., when receiving the LTM Configuration Update Request message from the new source gNB.****The old source gNB can deliver the old target UE XnAP ID(s) to the new serving gNB via Cell Switch Notification and LTM Configuration Update message.****The source gNB sends the Data Forwarding Information as per-PDU session level to the candidate gNBs in the LTM CONFIGURATION UPDATE message.****Include the Tag ID Pointer and RACH resource request ID in TA Information Transfer in XnAP.****Include the TA values in Cell Switch Notification message.****RAN3 discuss on the potential enhancement on that the source gNB can request a candidate gNB to provide a reference configuration in Rel-19. But there is no consensus.**CB: # MobilityEnh\_LTM- Continue check with CSI-RS issues and the other remaining issues.- check with PRACH resources for RACH-less LTM.- Capture the agreements and check with TPs.(moderator-China Telecom)Summary of offline discussion in [R3-255781](Inbox%5CR3-255781.zip)**Turn the WA into agreement: Different candidate PSCells in the same SN can have different Rel-19 set IDs.****Do not support LTM modification on the already prepared LTM candidate PScells in DC scenario in Rel-19.****Support both Source SN-initiated and Candidate SN-initiated LTM Cancel**, FFS reuse the following messages to cancel the prepared candidate PSCells resource in the candidate SN:·SN Modification Request/ SN Modification Request Acknowledge·SN Modification Required/ SN Modification Confirm **CB: # MobilityEnh \_LTMNR-DC****- Check with potential agreements and capture the agreements.****- Check with the stage-2 inter-MCG LTM with SCG.****- update and check with TPs.**(moderator-Lenovo)Summary of offline discuss in [R3-255782](Inbox%5CR3-255782.zip) |
| 13.3. Support for Conditional LTM*Specify support of conditional Intra-CU LTM [RAN2, RAN3, RAN1]** *Specify UE evaluated conditions for triggering LTM*
* *Aim to support conditional LTM including subsequent LTM*
* *Limit specifying the conditional LTM to the scenario where the UE is in non-DC*

*From RAN3#128:**RAN3 confirms that the network can trigger a LTM Cell Switch Command MAC CE towards a candidate cell with C-LTM candidate configuration.* *The candidate (initial source) DU need to know the L1 C-LTM and the L3 C-LTM.* *The DU needs to know to which other candidate cell(s) to generate the L1 execution condition for L1 C-LTM.* *WA: To introduce one codepoint in the legacy LTM indicator IE, namely “C-LTM”.**WA: To introduce a new IE with a list of candidate cells for L1 execution condition.* *It is acknowledged that the C-LTM indicator needs to be sent to the initial source DU for the very first C-LTM.**The candidate DU generates the TAT for its own candidate cells.* |
| [R3-255270](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255270.zip) | (TP to CLTM BL CR for TS 38.473, TS 38.401) – Completion of Intra-CU Conditional LTM (Ericsson) | other |
| [R3-255427](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255427.zip) | (TP for LTM BLCR for TS38.473, TS38.401): Intra-CU conditional LTM (Huawei) | other |
| [R3-255140](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255140.zip) | Discussion on Conditional LTM in split architecture (Nokia) | discussion |
| [R3-255151](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255151.zip) | (TP to BL CR for TS 38.401, 38.473) TAT transfer for Conditional LTM (ZTE Corporation) | other |
| [R3-255199](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255199.zip) | (TP to BL CR for 38.473 on conditional intra-CU LTM) Remaining issues of Rel-19 intra-CU Conditional LTM (NEC) | other |
| [R3-255685](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255685.zip) | Remaining issues on Intra-CU Conditional LTM (Samsung) | discussion |
| [R3-255606](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255606.zip) | (TP to 38.473) Discussion for C-LTM (CATT) | discussion |
| [R3-255302](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255302.zip) | Signalling enhancements for Intra-CU Conditional LTM (Qualcomm India Pvt Ltd) | discussion |
| [R3-255616](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255616.zip) | (TPs for NR\_Mob\_Ph4 TS 38.473 and TS 38.401) Discussions on the remaining aspects of Conditional Intra-CU LTM (LG Electronics Inc.) | other |
| [R3-255376](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255376.zip) | (TP to TS38.401) On support of intra-CU Conditional LTM (China Telecom) | other |
| **To convert the working assumptions into agreement:****- To introduce one codepoint in the legacy LTM indicator IE, namely “C-LTM”.****- To introduce a new IE with a list of candidate cells for L1 execution condition.****In case of L3 measurement report-triggered early RACH, to reuse the F1AP CU-DU Mobility Initiation procedure to notify the source DU to initiate early RACH procedure to the candidate cells.****To remove the TAT value IE in the UE CONTEXT SETUP RESPONSE message in the BLCR.** **CB: # MobilityEnh\_CLTM****- further check with the open issues and capture the agreements.****- TAT transfer issues.****- update and check whit the TPs and BLCRs.**(moderator-Nokia)Summary of offline discussion in [R3-255783](Inbox%5CR3-255783.zip) |
| **14. NR NTN Enhancements WI**WID [NR\_NTN\_Ph3-Core]: [RP-243300](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_106/Docs/RP-243300.zip) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 14.1. General*Work plan, BL CRs* |
| [R3-255066](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255066.zip) | (BL CR to 38.410) Introduce NG Removal procedure (CMCC, Huawei, Nokia, Nokia Shanghai Bell, CATT, Ericsson, Qualcomm, Xiaomi, LG Electronics, China Telecom, Samsung, ZTE, NEC, ETRI) | CR0051r6, TS 38.410 v18.3.0, Rel-19, Cat. B |
| [R3-255067](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255067.zip) | (BL CR to 38.300) Support for Regenerative Payload and MBS broadcast in NR NTN (Ericsson, Thales, Deutsche Telekom, Nokia, ESA, CATT, ZTE, Sateliot, Huawei, Dish Networks, Echostar, Eutelsat Group, Xiaomi, Samsung, CMCC, LG Electronics, NEC, Lenovo, ETRI, Jio Platforms) | draftCR |
| [R3-255068](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255068.zip) | Support for Regenerative Payload and MBS broadcast in NR NTN (CATT, Thales, Nokia, Nokia Shanghai Bell, Ericsson, Huawei, ZTE, Qualcomm, Samsung, Xiaomi, CMCC, China Telecom, Jio Platforms, LG Electronics, NEC, ETRI, SES, ESA) | CR1212r9, TS 38.413 v18.6.0, Rel-19, Cat. B |
| 14.2. Support MBS broadcast service*Specify signaling of the intended service area of a broadcast service (e.g. MBS broadcast) via NR NTN [RAN2, RAN3]** *Specify SIB signaling to indicate the intended service area in case the satellite footprint covers a larger area. [RAN2]*
* *Specify the necessary signaling between CN and NG-RAN. [RAN3]*

**RAN3 will not discuss the NTN PWS unless request by other WGs in R19.** |
| 14.3. Support of Regenerative payload*Support of regenerative payload [RAN3, RAN2, RAN4]** *Specify the support of gNB on board in TS 38.300*
* *Specify, if needed, any necessary enhancements related to the intra and inter-gNB mobility, especially for Xn interface over feeder link or over ISL. [RAN3]*

*Note: if any additional necessary stage-3 specifications impact for e.g. NGAP is identified, RAN3 will handle it.***There is no consensus to discuss new NTN architecture now; wait for an LS from SA2 on this particular issue.****Legacy NG HO procedure can be reused for inter AMF HO for NTN regenerative payload.****Support RRC\_INACTIVE UE in NTN by implementation in R19.****No enhancements on location-based CHO for NTN in R19.****No new NGAP suspend/resume procedures in R19.***From RAN3#128:**WA: For regenerative payload, an indication to suspend or resume NG connection may be sent to AMF from gNB in the RAN Configuration Update procedure.**Check the use cases including Hard Feederlink Switch, other use cases to be further justified.* |
| [R3-255024](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255024.zip) | Reply LS on OAM requirements to support regenerative payload transport links (SA2(CATT)) | LS in |
| [R3-255180](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255180.zip) | (TP to BL CR for TS38.300) OAM configuration for supported TAI list (CATT, Nokia, Nokia Shanghai Bell, ZTE, Samsung, China Telecom, CSCN, CMCC, LG Electronics, NEC, Xiaomi) | other |
| [R3-255510](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255510.zip) | (TP to BLCR for TS 38.300) Further discussion on TAI configuration (Huawei, Jio Platforms, Ericsson) | other |
| [R3-255545](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255545.zip) | TAI Coordination and OAM (Ericsson, Huawei) | discussion |
| [R3-255262](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255262.zip) | Remaing issues for NR NTN (ZTE Corporation) | discussion |
| [R3-255264](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255264.zip) | (TP to BL CR for 38.413) Support of MBS Broadcast (ZTE Corporation) | other |
| [R3-255292](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255292.zip) | (TP to BL CR for TS 38.300) Clarification on the OAM requirements (Nokia, Nokia Shanghai Bell) | other |
| [R3-255344](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255344.zip) | (TP for TS 38.410) NG Removal completion (Samsung, Huawei, Nokia, Nokia Shanghai Bell, Ericsson) | other |
| [R3-255506](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255506.zip) | (TP for TS 38.413) NG Removal completion (Huawei, LG Electronics, Nokia, Nokia Shanghai Bell, Ericsson, Thales, Jio Platforms, CATT, Qualcomm Incorporated, Deutsche Telekom,Samsung) | other |
| [R3-255617](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255617.zip) | (TP for NR\_NTN\_Ph3 TS 38.300 BL CR) Stage-2 capturing logical connection between NG Removal/Setup and ephemeris info (LG Electronics Inc., Ericsson, Nokia, Nokia Shanghai Bell, Huawei) | other |
| [R3-255508](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255508.zip) | (TP to BL CR for TS 38.300) Hard FLSO and AMF management (Huawei, Ericsson, Thales, Jio Platforms, Deutsche Telekom) | other |
| [R3-255442](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255442.zip) | (TP for TS 38.413) Introduce gNB-initiated AMF switch signaling to support UE context transfer for regenerative NTN gNB mobility (Jio Platforms) | discussion |
| [R3-255671](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255671.zip) | Discussion on impacts on Xn interface with SMTC enhancment (CSCN) | discussion |
| [R3-255672](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255672.zip) | (TP to BL CR for TS 38.300 on NR\_NTN\_Ph3) Stage 2 Updates for Regenerative Payload (NEC) | other |
| [R3-255310](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255310.zip) | nodelevel indication of temporary NTN feeder-link outage via RAN CONFIGURATION UPDATE (Jio Platforms) | CR1289r, TS 38.413 v18.6.0, Rel-19, Cat. Bwithdrawn |
| **NG suspend/resume** |
| [R3-255179](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255179.zip) | (TP to BL CR for TS38.300) Support of NG Suspend Resume (CATT, ZTE, Nokia, Nokia Shanghai Bell, Qualcomm, CMCC, Samsung, China Telecom, LG Electronics, Xiaomi) | other |
| [R3-255263](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255263.zip) | (TP to BL CR for 38.413) Support of NG Suspend and Resume Indication (ZTE Corporation, CATT, Nokia, Nokia Shanghai Bell, Qualcomm, CMCC, Samsung, China Telecom, LG Electronics, Xiaomi) | other |
| [R3-255546](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255546.zip) | Downlink NG Transmission Suspend/Resume (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | discussion |
| [R3-255547](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255547.zip) | Downlink NG Transmission Suspend/Resume – Stage 2 TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | other |
| [R3-255548](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255548.zip) | Downlink NG Transmission Suspend/Resume – NGAP TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | other |
| [R3-255212](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255212.zip) | (TP to BL CR for TS 38.300 on NR\_NTN\_Ph3) Discussion on NTN leftover issue (NEC) | other |
| [R3-255287](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255287.zip) | Remaining Issues on Support of NTN Regenerative Architecture (TCL) | discussion |
| [R3-255334](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255334.zip) | (TP to BL CR TS 38.300) Support of NG suspend/resume (Xiaomi) | other |
| [R3-255335](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255335.zip) | (Draft LS out) Support of NG suspend resume (Xiaomi) | LS out To: SA2 CC: CT4 |
| [R3-255343](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255343.zip) | Remaining issues on support of regenerative payload for NR NTN (Samsung) | discussion |
| [R3-255382](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255382.zip) | NG transmission suspend resume procedure (China Telecom) | discussion |
| [R3-255602](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255602.zip) | Reconsideration on NG Suspend/Resume Signaling for FLSO (Jio Platforms) | discussion |
| [R3-255640](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255640.zip) | Optional NGAP IEs for node-level indication of temporary NTN feeder-link outage via RAN CONFIGURATION UPDATE (gNB?AMF) (Jio Platforms Limited) | CR1305r, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255702](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255702.zip) | (TP to BLCR for TS 38.300) Indicator for NG Suspend/Resume (CMCC) | other |
| 15. IoT NTN Enhancements WIWID [IoT\_NTN\_Ph3-Core]: [RP-250472](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 1** |
| 15.1. General*Work plan, BL CRs* |
| [R3-255069](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255069.zip) | (BL CR to 36.410) Support of Full eNB as Regenerative payload (Samsung, Ericsson, Sateliot, Thales, ESA, Deutsche Telekom, Jio Platforms Limited, Qualcomm Incorporated, Nokia, Nokia Shanghai Bell, Huawei) | CR0031r2, TS 36.410 v18.0.0, Rel-19, Cat. B |
| [R3-255070](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255070.zip) | (BL CR to 36.413) Support of Full eNB as Regenerative Payload (Huawei, Ericsson, Thales, Nokia, Nokia Shanghai Bell, Qualcomm Incorporated, ZTE, Xaomi, CATT, Samsung, Jio Platforms) | CR1963r4, TS 36.413 v18.3.0, Rel-19, Cat. B |
| [R3-255071](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255071.zip) | (BL CR to 36.300) Support of full eNB as regnerative payload and store&forward operation (ZTE Corporation, Samsung, CMCC, CATT, Ericsson, Nokia, Nokia Shanghai Bell, Huawei, Xiaomi, Qualcomm, Jio Platforms) | draftCR |
| [R3-255265](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255265.zip) | Updated Work Plan for IoT NTN (ZTE Corporation, CATT, MediaTek.Inc) | Work Plan |
| **15.2. Support Full eNB as Regenerative Payload***Support of Store&Forward (S&F) satellite operation with full eNB as regenerative payload, therefore:** *Define the necessary enhancements into E-UTRAN (network & UE) to support S&F operation for delay-tolerant services [RAN3, RAN2, RAN4]*
* *Specify necessary enhancements for full eNB as regenerative payload e.g. related to S1 protocol, especially to address the feeder link switch over as needed [RAN3]*

*Note: Strive to minimise UE impact.**Note: Coordination with SA2 (Rel-19 SA2 led Sat-Arch ph3 SI) is needed on the detail requirements (e.g. traffic type, or QoS parameters for S&F), network architecture (e.g. whether consider (partial) core network on satellite) etc.; further coordination with CT1 might be required.***No support on the multiple SCTP association for IoT NTN.** |
| [R3-255266](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255266.zip) | Remaing issues for IoT NTN (ZTE Corporation) | other |
| [R3-255294](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255294.zip) | (TP to BL CR for TS 36.300) Correction on S1 Removal (Nokia, Nokia Shanghai Bell, Huawei, Ericsson, LG Electronics, Samsung) | other |
| [R3-255295](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255295.zip) | (TP to BL CR for TS 36.413) Support of regenerative payload (Nokia, Nokia Shanghai Bell, ZTE Corporation, CATT, Qualcomm, CMCC, Samsung, China Telecom, LG Electronics, Xiaomi) | other |
| [R3-255311](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255311.zip) | (TP for TS 36.300) Support for Regenerative Payload for IoT NTN (Qualcomm Incorporated, Nokia, Nokia Shanghai Bell, ZTE, CATT, China Telecom, CMCC, LG Electronics, Xiaomi) | other |
| [R3-255312](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255312.zip) | Discussion on Support for IoT NTN for Regenerative Payload (Qualcomm Incorporated) | discussion |
| [R3-255345](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255345.zip) | Remaining issue on support of regenerative payload for IoT NTN (Samsung) | discussion |
| [R3-255381](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255381.zip) | Discussion on remaining issues for IoT NTN (China Telecom) | discussion |
| [R3-255443](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255443.zip) | (TP for TS 36.300) IoT-NTN Switchover (FLSO) & Store-and-Forward Principles (Jio Platforms) | discussion |
| [R3-255507](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255507.zip) | (TP for TS 36.413) S1 Removal completion (Huawei, LG Electronics, Nokia, Nokia Shanghai Bell, Ericsson, Thales, Jio Platforms, CATT, Qualcomm Incorporated, Deutsche Telekom,Samsung) | other |
| [R3-255509](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255509.zip) | (TP to BL CR for TS 36.300) Hard FLSO and MME management (Huawei, Ericsson, Thales, Jio Platforms, Deutsche Telekom) | other |
| [R3-255512](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255512.zip) | (TP for TS 36.300) Full eNB as Regenerative Payload - TNL aspetcs (Huawei, Jio Platforms) | other |
| [R3-255513](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255513.zip) | (TP for TS 36.300) Discussion on S&F mode transition (Huawei, Jio Platforms, Ericsson) | otherResp in [R3-255747](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255747.zip) |
| [R3-255514](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255514.zip) | (TP for TS 36.300) Provision of S&F Mode Indication of neighbour cell list (Huawei, Ericsson, Jio Platforms) | otherResp in [R3-255748](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255748.zip) |
| [R3-255515](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255515.zip) | Discussion on Reply LS to SA2 on support of Full eNB as Regenerative Payload (Huawei, Jio Platforms, Ericsson) | other |
| [R3-255516](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255516.zip) | [DRAFT] Reply LS on Support of Regenerative-based Satellite Access (Huawei, Jio Platforms, Ericsson) | LS out To: SA2 CC: RAN2, RAN |
| [R3-255549](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255549.zip) | Downlink Transmission Suspend/Resume – Stage 2 TP (Ericsson, Thales, Huawei, Jio Platforms, Airbus, ESA, Sateliot, Deutsche Telekom) | otherRev in [R3-255750](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255750.zip) |
| [R3-255607](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255607.zip) | (TP to BLCR for TS 36.300) Left issues in IoT NTN (CATT) | discussion |
| [R3-255293](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255293.zip) | Discussion on the support of S&F (Nokia, Nokia Shanghai Bell) | discussionwithdrawn |
| [R3-255511](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255511.zip) | (TP to BL CR for TS 36.300) Removal of the Suspend/Resume part of TS 36.300 (Huawei) | Othermoved from 14.3, withdrawn |
| **16. Ambient IoT WI**WID [Ambient\_IoT\_solutions-Core]: [RP-250796](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 1.5]**QUOTA: 4** |
| 16.1. General*Work plan, BL CRs* |
| [R3-255072](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255072.zip) | (BL CR to 38.300) Introduction of Ambient IoT (CMCC, Huawei, Nokia) | draftCR **Endorsed as Baseline CR** |
| [R3-255073](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255073.zip) | (BL CR to 38.401) Introduction of Ambient IoT (Ericsson, Huawei, Nokia) | CR0469r3, TS 38.401 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255074](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255074.zip) | (BL CR to 38.410) Introduction of Ambient IoT (ZTE Corporation, China Telecom, Huawei, Samsung, CMCC, Nokia, Xiaomi) | CR0053r5, TS 38.410 v18.3.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255075](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255075.zip) | (BL CR to 38.412) Introduction of Ambient IoT (Xiaomi, Huawei, Nokia) | CR0025r3, TS 38.412 v18.1.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255076](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255076.zip) | (BL CR to 38.413) Introduction of Ambient IoT (Huawei, Nokia) | CR1260r6, TS 38.413 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| **16.2. RAN Architecture and Procedures***Specify necessary architectural aspects, and signaling and procedures between A-IoT RAN and A-IoT CN to support the A-IoT functions, assuming an architecture of aggregated gNB, including:** *Inventory and command operations*

*Note: The above A-IoT functions are supported over the existing NG interface, based on architecture(s) defined by RAN3/SA2.**From RAN3#128:**The new A-IoT Area is encoded as an A-IoT Area ID.**A-IoT Area ID = PLMN ID +NID(optional) + A-IoT Area Code (OCTET STRING (SIZE(3)))**One reader only belongs to one gNB.**One reader can map to one or multiple A-IoT Area ID(s).**One A-IoT Area may include readers belong to the same or different gNBs.**One gNB may serve multiple readers which belong to the same or different A-IoT Areas.**OAM configures in the AIOTF the mapping relationships among gNBs, readers and A-IoT areas, as needed.**Non-UE associated signalling principle and requirements applies to A-IoT related signalling.**Introduce new CN triggered Class 1 Session Release procedure, which includes A-IoT SESSION RELEASE REQUEST message and A-IoT SESSION RELEASE RESPONSE message.**Turn WA to agreement “NGAP: Command Request procedure is a per single device procedure, and no need to have a Command Report procedure.”**In case of indirect connectivity, allow parallel sessions between gNB and AMF.**In case of indirect connectivity, allow parallel Command procedures for different devices between gNB and AMF within the same session.**CN A-IoT Device NGAP ID is not needed.**Define the Expected D2R Message Size IE in Inventory Request Transfer IE. FFS on the detail encoding.* *Remove the FFSs on the presence of Cause IE in the INVENTORY FAILURE message and the COMMAND FAILURE message.**FFS on the detail encoding of the A-IoT Correlation Identifier IE? Wait for further inputs from CT4.**FFS on the detail encoding of the AIOTF Identifier IE? Refer to the NfInstanceId IE defined in TS 29.571?**Define the A-IoT Device Identification Requested IE as CHOICE type, with three branches:** *single device inventory: OCTECT STRING refer to Device Identifier*
* *group devices inventory: FFS on the encoding*
* *all devices inventory: NULL*

*Define the Estimate of Expected D2R Message Size IE in the Command Assistance Information IE as INTEGER (1..128, …) unit: byte. Add the semantic description that this IE refers to NAS PDU size.**Details of the Reader Location is out the scope of RAN3.**Reader Selection refers to SA2 TS 23.369 clause 5.3.3. Further check is needed.**It is FFS to introduce Command Type (write, read, disable) in Command Request Transfer.**It is FFS on the Time Interval as assistance information in the Inventory Request message. Clarify with SA2 on the usage of this information in NG-RAN node.**RAN A-IoT Information will not be provided over NGAP from NG-RAN node to AIoT CN.**Turn WAs to agreement “Include the Correlation Identifier IE outside of the Inventory related Transfer IEs in all the Inventory related messages.” “Include the Correlation Identifier IE in both inside and outside of the Command related Transfer IEs in all the Command related messages.”**Include RAN NGAP Device ID outside of the containers in the Command related messages.**Mandatorily include the Expected D2R Message Size in Inventory Request Transfer? Check progress in SA2.**In the case of Inventory only scenario, introduce Inventory Complete indication to inform the AIoT CN about the complete of the triggered Inventory session. FFS on the detail about Inventory Complete indication via new procedure or introducing indication IE in current Inventory Report message.* *In the case of Command after Inventory scenario, whether need to introduce the complete indication needs to be further checked.**Introduce a class2 procedure to allow NG-RAN node to trigger Session Release procedure towards AIoT CN.**WA: Define the A-IoT Support IE in the NG Setup Request as ENUMERATED (A-IoT only, A-IoT and NR Uu, …)**Whether to have A-IoT Support Indicator in the NG SETUP RESPONSE message?* |
| [R3-255015](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255015.zip) | LS on parallel service request (RAN2(Xiaomi)) | LS inNoted |
| [R3-255021](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255021.zip) | Reply LS on D2R message size for inventory response (SA2(Interdigital)) | LS inNoted |
| [R3-255005](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255005.zip) | Reply LS on AIoT device identifier length (CT4(Huawei)) | LS inccNoted |
| [R3-255006](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255006.zip) | Reply LS on paging ID length (CT4(CICT Mobile)) | LS inccNoted |
| [R3-255020](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255020.zip) | Reply LS on paging ID length (SA2(CATT)) | LS inccNoted |
| **Session Release and Inventory Complete Indication** |
| [R3-255154](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255154.zip) | (TP for 38.300) Session Release procedure (ZTE Corporation, China Telecom) | otherNoted |
| [R3-255155](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255155.zip) | (TP for 38.413) Session Release procedure (ZTE Corporation, China Telecom) | otherNoted |
| [R3-255218](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255218.zip) | [TP for A-IoT BL CR TS 38.300] AIoT Release procedures for Inventory and Command (Nokia) | otherNoted |
| [R3-255219](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255219.zip) | [TP for AIoT BL CR TS 38.413] AIoT Release procedures for Inventory and Command (Nokia) | other |
| [R3-255328](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255328.zip) | [TPs to TS 38.300, 38.413 BL CRs] A-IoT Session Release and Inventory Complete Indication (Huawei, China Telecom, China Unicom, Lenovo) | otherNoted |
| [R3-255347](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255347.zip) | (TP to BL CR for 38.300 and 38.413) Discussion on inventory complete and session release (Samsung) | discussionNoted |
| [R3-255710](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255710.zip) | Discussion on Session Release Aspects (CMCC) | discussionNoted |
| FFS on the detail about Inventory Complete indication via new procedure or introducing indication IE in current Inventory Report message. In the case of Command after Inventory scenario, whether need to introduce the complete indication needs to be further checked.**A-IoT Session release should not only rely on the class 2 A-IoT Session Release Request procedure, the Class 1 CN triggered A-IoT Session Release procedure should be performed in all scenarios.****In the case of Inventory with command scenario, introduce Inventory Complete indication to inform the AIoT CN about the complete of the triggered Inventory session.****Inventory Complete indication shall be sent via the container within the Inventory Report message, other than a new procedure.****The Reader Report List IE contained in the Inventory Report Transfer IE included in Inventory Report message shall be optional instead of mandatory.**E///: gNB should not be required to send the Inventory Complete Indication |
| **Interface Management and Reader Selection** |
| [R3-255313](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255313.zip) | Interface management procedures and Reader selection (Qualcomm Incorporated) | discussion |
| [R3-255544](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255544.zip) | [TP for BL CR 38.413] Reconsidering WA on A-IoT support indication (Ericsson) | other |
| [R3-255329](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255329.zip) | [TPs to TS 38.300 38.413 BL CRs] Leftovers for Interface Management and Reader Selection (Huawei, China Telecom, China Unicom, Lenovo) | other |
| [R3-255708](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255708.zip) | Discussion on RAN Architecture aspects for Ambient IoT (CMCC) | discussion |
| **Turn the previous WA: Define the A-IoT Support IE in NG Setup Request as ENUMERATED (A-IoT only, A-IoT and NR Uu,..) into agreement****If the “A-IoT support” IE is included in NG Setup Request and is set to “A-IoT only”, the AMF (in case of indirect connectivity) can ignore those IEs that are not applicable to A-IoT (e.g., Default Paging DRX) and consider only the A-IoT applicable IEs upon receiving the NG Setup Request.****If the “A-IoT support” flag is included in NG Setup Request and is set to “A-IoT and NR Uu”, the AMF (in case of indirect connectivity) will consider the A-IoT applicable IEs for A-IoT communication and the A-IoT non-applicable IEs for Uu communication.****In NG Setup Response, add clarification in the Semantics description of the not applicable IEs that: “This IE is ignored if the gNB directly connects to the AIOTF”.****Reader Selection:****Upon receiving only the reader list in Inventory Request, the gNB shall use all the readers indicated by the reader list to perform inventory; or****Upon receiving the reader list in Inventory Request, no matter whether AIoT service area is included, the gNB shall take it into account when performing inventory** **To be continued...** |
| **IE Encoding, Time Interval, Command Type** |
| [R3-255346](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255346.zip) | (TP to BL CR for 38.413 and 38.401) Discussion on general issues for AIoT (Samsung) | discussion |
| [R3-255327](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255327.zip) | [TPs to TS 38.300 38.413 BL CRs] Leftovers for Inventory and Command procedures (Huawei, China Telecom, China Unicom, Lenovo) | other |
| [R3-255181](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255181.zip) | Discussion on A-IoT leftover issues (CATT) | discussion |
| [R3-255182](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255182.zip) | (TP to BL CR for TS38.300) Support of A-IoT (CATT) | other |
| [R3-255183](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255183.zip) | (TP to BL CR for TS38.413) on A-IoT leftover issues (CATT) | other |
| [R3-255196](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255196.zip) | Open issues related to Rel 19 AIoT Procedures (Tejas Network Limited) | discussion |
| **Confirm that the Estimate of Expected D2R Message Size IE is mandatory provided in INVENTORY REQUEST.****Introduce Command Type (write, read, disable, …) in Command Request Transfer?****Introduce Time Interval as Inventory Assistance Information.** |
| **Miscellaneous** |
| [R3-255152](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255152.zip) | (TP for 38.300) Leftover issues on AIoT (ZTE Corporation, China Telecom) | other |
| [R3-255153](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255153.zip) | (TP for 38.413) Leftover issues on AIoT (ZTE Corporation, China Telecom) | other |
| [R3-255213](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255213.zip) | Discussion on A-IoT leftover issues (NEC) | discussion |
| [R3-255216](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255216.zip) | [TP for AIoT BL CR 38.300] Resolution of open points and signalling for AIoT (Nokia) | other |
| [R3-255217](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255217.zip) | [TP for AIoT BL CR TS 38.413] Resolution of open points and signalling for AIoT (Nokia) | other |
| [R3-255314](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255314.zip) | Open issues on Inventory and Command procedures (Qualcomm Incorporated) | discussionNoted |
| [R3-255326](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255326.zip) | [TPs to TS 38.300 38.413 BL CRs] A-IoT Security Aspects (Huawei, China Telecom, China Unicom) | otherNoted |
| [R3-255330](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255330.zip) | Discussion on open issues of A-IoT (Xiaomi) | other |
| [R3-255331](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255331.zip) | (TP to BL CR TS 38.300) Support of A-IoT (Xiaomi) | other |
| [R3-255332](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255332.zip) | (TP to BL CR TS 38.413) Support of A-IoT (Xiaomi) | other |
| [R3-255333](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255333.zip) | (Draft reply LS) LS on parallel service request (Xiaomi) | otherNoted |
| [R3-255383](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255383.zip) | Remaining issues for AIoT (China Telecom) | discussion |
| [R3-255482](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255482.zip) | Discussion on remaining open issues in A-IoT (LG Electronics) | discussion |
| [R3-255496](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255496.zip) | (TP to TS 38.300 and 38.413) TP for A-IoT support (LG Electronics) | other |
| [R3-255541](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255541.zip) | Open topics for Rel-19 work on A-IoT (Ericsson) | other |
| [R3-255542](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255542.zip) | [TP for BL CR 38.300 and 38.413] Correcting references to AS related protocol elements (Ericsson) | other |
| [R3-255543](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255543.zip) | [TP for BL CR 38.300 and 38.413] Applicability of A-IoT procedures for multiple devices (Ericsson) | other |
| [R3-255709](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255709.zip) | Leftover issues on Inventory and Command Procedure (CMCC) | discussion |
| [R3-255711](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255711.zip) | (TP to BLCR for TS 38.300) Introduction of Ambient IoT (CMCC) | other* Capture only the change for “A gNB is aware of the mapping relationship between A-IoT Areas and readers by means of OAM configuration.”

Rev in [R3-255771](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255771.zip)  **Agreed unseen** |
| [R3-255608](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255608.zip) | Define AIoT-FunctionIdentifier and AIoT-CorrelationIdentifier IEs (Jio Platforms Limited) | CR1303r, TS 38.413 v18.6.0, Rel-19, Cat. Cmoved from 16 |
| [R3-255619](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255619.zip) | Inventory completion indication (via Inventory Report Transfer) (Jio Platforms Limited) | CR1304r, TS 38.413 v18.6.0, Rel-19, Cat. Cmoved from 16 |
| [R3-255444](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255444.zip) | Inventory completion indication (via Inventory Report Transfer) (Jio Platforms) | CR1294r, TS 38.413 v18.6.0, Rel-19, Cat. Cwithdrawn |
| [R3-255445](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255445.zip) | Define AIoT-FunctionIdentifier and AIoT-CorrelationIdentifier IEs (encoding closure) (Jio Platforms) | CR1295r, TS 38.413 v18.6.0, Rel-19, Cat. Cwithdrawn |
|  **CB: # 16\_AmbientIOT****- TPs capturing the above agreements****- Address remaining open issues****- BL CR cleanup**(Huawei) |
| **16.3. Location Report***- Device location reporting at reader ID granularity***The AIoT location report objective is completed.** |
| **17. Network ES Enhancements WI**WID [Netw\_Energy\_NR\_enh-Core]: [R3-251678](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 3 (was 2)** |
| 17.1. General*Work plan, BL CRs* |
| [R3-255077](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255077.zip) | (BL CR to 38.300) Introduction of Network Energy Saving Enhancement (CATT, Ericsson, Huawei, Samsung, China Telecomm, Rakuten, ZTE, CMCC, Lenovo, Deutsche Telekom, Nokia) | draftCR |
| [R3-255078](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255078.zip) | (BL CR to 38.470) Introduction of Network Energy Saving Enhancement (Samsung, Huawei, NEC, CATT, ZTE, Ericsson) | CR0161r4, TS 38.470 v18.5.0, Rel-19, Cat. B |
| [R3-255079](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255079.zip) | (BL CR to 38.420) Introduction of Network Energy Saving Enhancement (ZTE Corporation, Samsung, Lenovo, Huawei, Qualcomm, Ericsson, CATT, Nokia, Rakuten, NEC) | CR0049r2, TS 38.420 v18.1.0, Rel-19, Cat. B |
| [R3-255080](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255080.zip) | Introduction of Network Energy Saving Enhancement (Ericsson, Huawei, CMCC, Samsung, Qualcomm, Nokia, ZTE, Lenovo, Deutsche Telekom, NEC, CATT, China Unicom, Jio Platforms, Rakuten) | CR1436r9, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255081](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255081.zip) | (BL CR to 38.473) Introduction of Network Energy Saving Enhancement (Huawei, Ericsson, CMCC, Samsung, ZTE, Nokia, Deutsche Telekom, Lenovo, NEC, Jio Platforms, CATT, Qualcomm) | CR1531r7, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255576](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255576.zip) | WI Work plan for R19 Network Energy Savings (Ericsson) | Work Plan |
| **17.2. Support on-demand SSB SCell operation***Specify procedures and signaling method(s) to support on-demand SSB SCell operation for UEs in connected mode configured with CA, for both intra-/inter-band CA. [RAN1/2/3/4]** *Specify triggering method(s) (select from UE uplink wake-up-signal using an existing signal/channel, cell on/off indication via backhaul, Scell activation/deactivation signaling)*
* *Note1: On-demand SSB transmission can be used by UE for at least SCell time/frequency synchronization, L1/L3 measurements and SCell activation, and is supported for FR1 and FR2 in non-shared spectrum.*
 |
| [R3-255209](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255209.zip) | (TP to BLCR TS38.473) Support on-demand SSB (NEC) | other |
| [R3-255239](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255239.zip) | (TP to BLCR for TS 38.473 and TS 38.470) Discussion on on-demand SSB SCell operation (Huawei) | other |
| [R3-255247](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255247.zip) | (TP to BLCRs for TS 38.473) On remaining issues of OD-SSB (CATT) | other |
| [R3-255305](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255305.zip) | (TPs to BL CR for 38.470 and 38.473) Support of on-demand SSB Scell operation (ZTE Corporation) | other |
| [R3-255379](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255379.zip) | (TP to 38.473) On support on-demand SSB SCell operation (China Telecom) | discussion |
| [R3-255435](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255435.zip) | (TP for BLCR to TS 38.473) On assistance information for OD-SSB over F1 (Nokia) | other |
| [R3-255577](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255577.zip) | On-demand SSB SCell operation (Ericsson) | discussion |
| [R3-255635](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255635.zip) | Discussion on on-demand SSB SCell operation in low-carbon green network (Samsung) | discussion |
| [R3-255636](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255636.zip) | (TP to BLCR for TS 38.470) On-demand SSB SCell operation (Samsung) | other |
| **17.3. Support on-demand SIB1 for UEs** *Specify support for on-demand SIB1 for UEs in idle/inactive mode [RAN1/2/3]** *Specify procedures and signaling method(s) for Case 2 [RAN1/2]*
* *Case 2: UE obtains UL WUS configuration from Cell A, UE transmits UL WUS on NES Cell, UE receives on-demand SIB1 from NES Cell*
* *Triggering method by UL WUS using PRACH*
* *Specify inter NG-RAN node signalling at least for the configuration of UL WUS [RAN3]*

*Note 1: No modification of SSB will be discussed under this objective**Note 2:** *UL WUS: Uplink wake-up signal*
* *Cell A: A cell that is periodically transmitting at least its own SIB1*
* *NES Cell: A cell that may transmit SIB1 transmission in response to UL WUS from a UE*

*From RAN3#128:**One “Provision Request message includes one “OD-SIB1 config R19” referring to the TS 38.331 definition, it is a RRC Container in octet string (presence M) + one NES Cell ID (presence M ) + one Cell-A ID (presence O )**Cell A gNB-CU encoding the SIBxx.**The NES gNB-CU sends the indication to NES gNB-DU. The NES gNB-DU MAY go to OD-SIB 1 operation up to gNB-DU decision.* |
| [R3-255210](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255210.zip) | (TP to BLCR TS38.473) Support on-demand SIB1 (NEC) | other |
| [R3-255211](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255211.zip) | TP to BLCR TS38.423 on support on-demand SIB1 (NEC) | other |
| [R3-255240](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255240.zip) | (TP to BLCR for TS 38.473, TS 38.423 and TS 38.420) Discussion on on-demand SIB1 for UEs in idle or inactive mode (Huawei) | other |
| [R3-255248](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255248.zip) | (TP to BLCR for TS 38.300) On remaining issues of OD-SIB1 (CATT) | other |
| [R3-255255](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255255.zip) | (TP to BL CR 38.401) Stage-2 procedures for OD SIB1 (Qualcomm Inc.) | other |
| [R3-255306](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255306.zip) | (TPs to BL CR for TS38.420, TS38.470 and TS38.473) Support of on-demand SIB1 (ZTE Corporation) | other |
| [R3-255436](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255436.zip) | (TP for BLCR to TS 38.423, TS 38.473) Stage 3 Proposals for On-Demand SIB1 (Nokia) | other |
| [R3-255578](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255578.zip) | Xn impact of On-demand SIB1 for UEs in idle/inactive mode (Ericsson, Deutsche Telekom, China Unicom, Jio Platforms) | other |
| [R3-255579](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255579.zip) | F1 impact of On-demand SIB1 for UEs in idle/inactive mode (Ericsson, Deutsche Telekom, China Unicom, Jio Platforms) | other |
| [R3-255580](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255580.zip) | Stage 2 Specifications TPs for On-demand SIB1 for UEs in idle/inactive mode (Ericsson) | other |
| [R3-255637](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255637.zip) | Discussion on on-demand SIB1 in low-carbon green network (Samsung) | discussion |
| [R3-255716](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255716.zip) | On-Demand SIB1 Availability for Energy Saving in the Handover Scenario (ISSDU, NTU) | discussion |
| [R3-255743](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255743.zip) | Signalling to support OD-SIB1 (Rakuten Mobile, Inc) | discussion |
| **17.4. Others***e.g., common signal/channel transmissions pending to progress in other WGs* |
| [R3-255241](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255241.zip) | (TP to BLCR for TS 38.473) Finalizing common signal adaptation (Huawei) | other |
| [R3-255249](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255249.zip) | (TP to BLCR for TS 38.473) Adaptation of paging (CATT, ZTE, China Telecom, Samsung) | other |
| [R3-255307](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255307.zip) | (TP to BL CR for 38.470) Support of Paging Adaptation (ZTE Corporation) | other |
| [R3-255437](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255437.zip) | Discussion on adaptation of common signals/channels (Nokia) | discussion |
| [R3-255581](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255581.zip) | Adaptation of common signal/channel transmissions (Ericsson) | discussion |
| 18. NR Low Power WUS/WUR WIWID [NR\_LPWUS-Core]: [RP-251200](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 18.1. General*Work plan, BL CRs* |
| [R3-255082](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255082.zip) | (BL CR to 38.300) Introduction of low-power wake-up signal and receiver for NR (vivo, NTT DOCOMO INC., Nokia, Samsung, Ericsson, ZTE, CATT, Huawei) | draftCR |
| [R3-255083](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255083.zip) | (BL CR to 38.470) Introduction of low-power wake-up signal and receiver for NR (Nokia, Samsung, ZTE, Ericsson, Huawei, CATT) | CR0157r4, TS 38.470 v18.5.0, Rel-19, Cat. B |
| [R3-255084](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255084.zip) | (BL CR to 38.410) Introduction of LP-WUS (CATT, Nokia, Ericsson, Huawei, Vivo, ZTE, Qualcomm, NTT Docomo) | CR0056r1, TS 38.410 v18.3.0, Rel-19, Cat. B |
| [R3-255085](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255085.zip) | (BL CR to 38.413) Introduction of low-power wake-up signal and receiver for NR (ZTE Corporation, Nokia, Samsung, Ericsson, Huawei, CATT, NTT DOCOMO) | CR1261r4, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255086](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255086.zip) | (BL CR to 38.420) Introduction of LP-WUS (Qualcomm, ZTE Corporation, Nokia, Ericsson, CATT, Huawei, Samsung) | CR0051r1, TS 38.420 v18.1.0, Rel-19, Cat. B |
| [R3-255087](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255087.zip) | Introduction of low-power wake-up signal and receiver for NR (Ericsson, Vivo, NTT Docomo, Huawei, ZTE, Nokia, Samsung, CATT) | CR1341r9, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255088](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255088.zip) | (BL CR to 38.473) Introduction of low-power wake-up signal and receiver for NR (Huawei, Nokia, Samsung, Ericsson, CATT, ZTE, Vivo, NTT DOCOMO INC.) | CR1443r9, TS 38.473 v18.6.0, Rel-19, Cat. B |
| 18.2. Support LP-WUS Indicating Paging Monitoring*For IDLE/INACTIVE modes:**Specify procedure and configuration of LP-WUS indicating paging monitoring triggered by LP-WUS, including at least configuration, sub-grouping and entry/exit condition for LP-WUS monitoring (RAN2, RAN1, RAN3, RAN4)**From RAN3#128:**(TP To BL CR for TS 38.300) support of homogeneous deployment for LP-WUS in R3-253831 noted, wait for reply LS from SA2 To be continued...**FFS on the range of LP-WUS CN Subgroup ID IE included in LP-WUSPS Assistance Information pending on RAN1 decision on which subgroup ID(s) would be reserved for common codepoint.* |
| [R3-255026](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255026.zip) | Response to Reply LS on paging capability loss issue (SA2(Vodafone)) | LS in |
| [R3-255528](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255528.zip) | [Draft] Reply LS on paging capability loss issue (VODAFONE Group Plc) | LS out To: SA2 CC: TSG RAN, RAN2, CT1 |
| [R3-255420](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255420.zip) | Further discussion on LP-WUS (NTT DOCOMO INC..) | discussion |
| [R3-255237](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255237.zip) | (TP to BLCR for TS 38.413, TS 38.423 and TS 38.300) Discussion on Low-power wake-up signal and receiver for NR (Huawei) | other |
| [R3-255220](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255220.zip) | [TP for LP-WUS BL CR TS 38.423] Conclusions for LP-WUS open points (Nokia) | other |
| [R3-255256](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255256.zip) | Support LP-WUS subgrouping in RRC\_IDLE/RRC\_INACTIVE (Qualcomm Inc.) | discussion |
| [R3-255567](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255567.zip) | Discussion on forwarding of paging capabilities (Ericsson) | other |
| [R3-255527](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255527.zip) | Missing UE radio paging capabilities (VODAFONE Group Plc) | discussion |
| [R3-255230](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255230.zip) | Remaining issues on LP-WUS (ZTE Corporation) | discussion |
| [R3-255250](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255250.zip) | (TP to BLCR of TS 38.300) On remaining issues of LP-WUS (CATT) | other |
| [R3-255706](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255706.zip) | Discussion on paging capability loss issue (CMCC) | discussion |
| [R3-255652](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255652.zip) | Further discussion on paging capability loss issue (Huawei, China Unicom, China Telecom) | discussion |
| [R3-255221](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255221.zip) | [TP for LP-WUS BL CR TS 38.300] Conclusion of Paging Loss (Nokia) | other |
| [R3-255231](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255231.zip) | (TP to TS 38.413) on support of LP-WUS (ZTE Corporation) | other |
| [R3-255238](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255238.zip) | (TP to BLCR for TS 38.473) Discussion on Low-power wake-up signal and receiver for NR (Huawei) | other |
| [R3-255251](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255251.zip) | (TP to BLCR for TS 38.413, 38.423, 38.473) On CN Subgroup ID range for LP-WUS (CATT) | other |
| [R3-255529](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255529.zip) | Paging capability loss in RAN (VODAFONE Group Plc) | CR1300r, TS 38.413 v17.12.0, Rel-17, Cat. F |
| [R3-255530](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255530.zip) | Paging capability loss in RAN (VODAFONE Group Plc) | CR1301r, TS 38.413 v18.6.0, Rel-18, Cat. A |
| [R3-255531](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255531.zip) | Paging capability loss in RAN (VODAFONE Group Plc) | CR1302r, TS 38.413 v18.6.0, Rel-19, Cat. A |
| [R3-255568](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255568.zip) | (TP for LP-WUS BL CR for TS38.423) Removal of FFS (Ericsson) | other |
| [R3-255653](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255653.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | CR1306r, TS 38.413 v16.16.0, Rel-16, Cat. F |
| [R3-255654](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255654.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | CR1307r, TS 38.413 v17.12.0, Rel-17, Cat. A |
| [R3-255655](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255655.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | CR1308r, TS 38.413 v18.6.0, Rel-18, Cat. A |
| [R3-255656](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255656.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | draftCR |
| [R3-255657](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255657.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | draftCR |
| [R3-255658](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255658.zip) | Avoiding paging capability loss for CN paging (Huawei, China Unicom, China Telecom) | draftCR |
| **19. Evolution of Duplex Operation WI**WID [NR\_duplex\_evo-Core]: [RP-251874](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 19.1. General*Work plan, BL CRs* |
| [R3-255089](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255089.zip) | (BL CR to 38.300) introduction of Evolution of NR duplex operation: Sub-band full duplex (SBFD) (Ericsson, Nokia) | draftCR **Endorsed as Baseline CR** |
| [R3-255090](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255090.zip) | (BL CR to 38.401) introduction of Evolution of NR duplex operation (ZTE Corporation, Ericsson, Samsung, Qualcomm, Huawei, CATT, Nokia, CMCC, LGE) | CR0470r3, TS 38.401 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255091](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255091.zip) | (BL CR to 38.420) introduction of Evolution of NR duplex operation (CMCC, Ericsson, Huawei, Samsung, ZTE, Nokia, Jio Platforms) | CR0048r3, TS 38.420 v18.1.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255092](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255092.zip) | (BL CR to 38.423) introduction of Evolution of NR duplex operation (Huawei, China Telecom, China Unicom, China Mobile, Ericsson, Qualcomm, Samsung, ZTE Corporation, LG Electronics, Nokia, Jio Platforms (JPL), CATT) | CR1486r3, TS 38.423 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255093](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255093.zip) | (BL CR to 38.470) introduction of Evolution of NR duplex operation (CATT, Ericsson, CMCC, Nokia, ZTE, Qualcomm, Samsung, Jio Platforms) | CR0163r3, TS 38.470 v18.5.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255094](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255094.zip) | (BL CR to 38.473) introduction of Evolution of NR duplex operation (Samsung, Huawei, Ericsson, ZTE, LG Electronics Inc., Nokia, Qualcomm, Jio Platforms) | CR1566r3, TS 38.473 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255684](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255684.zip) | Updated workplan for Evolution of NR Duplex Operation (Huawei, Sumsang) | Work PlanNoted |
| 19.2. Support CLI Handling*Information exchange among gNBs, including [RAN3]** *Semi-static cell-specific SBFD time and frequency location configuration*
* *Measurement resource configuration, i.e., SSB and/or periodic NZP CSI-RS*
* *Strongest DL beam information*
* *CLI-mitigation request*
* *One or more SRS resource configurations*
 |
| [R3-255008](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255008.zip) | Reply LS on simultaneous configuration of SBFD and DC (RAN1(Xiaomi)) | LS inccNoted |
| [R3-255010](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255010.zip) | LS on TP for TS38.300 on Rel-19 SBFD (RAN1(Huawei)) | LS inccNoted |
| [R3-255679](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255679.zip) | Further discussion on remaining open issues (Huawei, China Telecom, China Unicom) | discussionNoted |
| [R3-255681](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255681.zip) | (TP to BL CR for 38.423) miscellaneous clean-ups for Evolution of NR duplex operation Sub-band full duplex (SBFD) (Huawei, China Telecom, China Unicom) | other |
| [R3-255267](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255267.zip) | UE-to-UE CLI mitigation support (Charter Communications, Inc) | otherNoted |
| [R3-255276](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255276.zip) | [TP for BL CR TS 38.300] Introduction of SRS resource configurations for Evolution of NR duplex operation Sub-Band Full Duplex (Charter Communications, Inc) | other |
| [R3-255277](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255277.zip) | [TP for BL CR 38.423] Introduction of UE-to-UE CLI mitigation support signaling (Charter Communications, Inc) | other |
| [R3-255278](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255278.zip) | [TP for BL CR 38.473] Introduction of UE-to-UE CLI mitigation support signaling (Charter Communications, Inc) | other |
| [R3-255324](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255324.zip) | Signaling design to enable NR SBFD operation (Qualcomm Incorporated) | discussionNoted |
| [R3-255439](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255439.zip) | (TP for BLCRs to TS 38.423, 38.473) Finalizing stage 3 for Sub-band Full Duplex operation (Nokia) | other |
| [R3-255480](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255480.zip) | (TP to BLCR to TS38.423 for SBFD) Discussion on SBFD WI completion (Ericsson) | otherNoted |
| [R3-255645](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255645.zip) | Discussion on Evolution of Duplex Operation (CATT) | discussion |
| [R3-255646](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255646.zip) | (TP for 38.423 and 38.473) Support on Evolution of Duplex Operation (CATT) | other |
| [R3-255667](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255667.zip) | Further discussion on information exchange for CLI handling (Samsung) | discussion |
| [R3-255668](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255668.zip) | Text proposals to BLCRs of TS38.473 on CLI handling (Samsung) | other |
| [R3-255680](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255680.zip) | Discussion on the exchange of SRS resource configurations (Huawei, China Telecom, China Unicom) | discussionNoted |
| [R3-255682](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255682.zip) | (TP to BL CR for 38.423) introduction of SRS resource configurations for Evolution of NR duplex operation Sub-band full duplex (SBFD) (Huawei) | other |
| [R3-255683](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255683.zip) | (TP to BL CR for 38.473) introduction of SRS resource configurations forEvolution of NR duplex operation Sub-band full duplex (SBFD) (Huawei) | other |
| [R3-255691](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255691.zip) | (TP to BLCR/draft CR for 38.300, 38.401, 38.423 and 38.473) SBFD (ZTE Corporation) | other |
| [R3-255692](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255692.zip) | Discussion on information exchange for SBFD (ZTE Corporation) | discussion |
| [R3-255703](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255703.zip) | (TPs to BLCR for TS 38.423 and TS 38.473) Discussion on supporting CLI handling in SBFD (CMCC) | other |
| [R3-255438](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255438.zip) | (TP for BLCRs to TS 38.420, 38.470) Finalizing stage 2 for Sub-band Full Duplex operation (Nokia) | other |
| [R3-255481](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255481.zip) | (TP to BLCR to TS38.300 for SBFD) Introduction of SBFD (Ericsson) | other |
| **Remove the Editor’s Note in section 8.4.y CLI Indication procedure about the procedure text, and update the message name in figure to CLI INDICATION.****Agree that the semantics description of the SBFD Frequency Configuration IE added to the Served Cell Information NR IE in the BLCR to TS38.423 reference the SBFD-Subband-Allocation-r19 IE defined in TS38.331.****Update the description of NZP CSI-RS Resource Indication IE in XnAP CR and CRI IE in F1AP CR to clarify the value is a relative index of the CSI-RS resources within the set of resources signalled.**UE-to-UE CLI:**gNB2 serving victim UEs will send request to gNB1 serving aggressor UEs requesting a list of SRS-Resource configuration** and it is up to gNB2 implementation when to request**gNB1 serving aggressor UEs will provide SRS-Resource configuration information to gNB2 serving victim UEs** either based on gNB2 request or without request. It is up to gNB1 implementation which UEs SRS-Resource configuration will be provided to gNB2.**FFS whether to use Served Cell Information NR IE or CLI INDICATION message**RAN3 agrees to introduce option 2 SBFD RACH configuration (which will have separate configuration for legacy ROs and SBFD specific ROs) related IEs as part of Served Cell Information IE and Neighbour NR Cells for SON List IEs in both F1 and Xn signalling messages.HW, E///: Was previously discussed, and thought it was concluded that it is out of scope of Rel-19 WIDZTE, CATT: Support the proposal.Nok: OK to handle the proposal.RAN3 agree that CU makes the decision of whether to configure SBFD UEs with either L1 or L3 based measurements. If CU decides to configure L1 based Inter-UE CLI measurement configuration for UE, then CU has to request DU to generate SBFD Inter-UE L1 CLI measurement based configuration for UE.HW, ZTE: No need to deal with this case, both configurations can be provided to the UE simultaneously.QC: Both cannot be configured simultaneously. **CB: # 9\_DuplexOperation****- Reflect above agreements in TPs****- Discuss exchange of SBFD RACH configuration and agree (if possible) on solution****- Whether and how to clarify in Stage 2 to avoid simultaneous configuration of L1 and L3 based inter-UE CLI measurements.****- Cleanup BL CRs as needed**(Huawei) **CB: # 10\_ DuplexUEtoUECLI****- Discuss and agree (if possible) on solution for UE-to-UE CLI based on the above framework**(Samsung) |
| 20. AI/ML for Air Interface WIWID [NR\_AIML\_air-Core]: [RP-251186](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_108/Docs/) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 20.1. General*Work plan, BL CRs* |
| [R3-255095](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255095.zip) | (BL CR to 38.305) Introduction of AI/ML air (CATT, Ericsson, Nokia, Huawei, Xiaomi, ZTE, CMCC, Samsung, CEWiT, Jio Platforms) | draftCR **Endorsed as Baseline CR** |
| [R3-255096](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255096.zip) | (BL CR to 38.401) Support of AI/ML assisted positioning (ZTE Corporation, Xiaomi, CATT, Ericsson, Huawei, NEC, Nokia, Jio Platforms) | CR0477r1, TS 38.401 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255097](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255097.zip) | (BL CR to 38.413) Support of Case 3a (Huawei, ZTE, Lenovo, Nokia, Ericsson, Jio Platforms) | CR1285r1, TS 38.413 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255098](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255098.zip) | (BL CR to 38.455) Introduction of AI/ML air (Ericsson, Nokia) | CR0190r3, TS 38.455 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255099](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255099.zip) | (BL CR to 38.473) Support of Sample-based measurement (case 3b) (Xiaomi, Ericsson, ZTE, CATT, Samsung, Nokia, Jio Platforms) | CR1575r1, TS 38.473 v18.6.0, Rel-19, Cat. B **Endorsed as Baseline CR** |
| [R3-255100](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255100.zip) | (BL CR to 38.300) Stage 2 for case 3a (Nokia, CATT, Xiaomi, Ericsson, CMCC, Huawei, ZTE, Lenovo, Jio Platforms) | draftCR **Endorsed as Baseline CR** |
| [R3-255569](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255569.zip) | Work Plan for Rel-19 on AI/ML for PHY (Positioning) (Ericsson (Rapporteur)) | Work PlanNoted |
| 20.2. Support Positioning Accuracy Enhancements*Positioning accuracy enhancements, encompassing [RAN1/RAN2/RAN3]:** *Direct AI/ML positioning:*
* *Case 1: UE-based positioning with UE-side model, direct AI/ML positioning*
* *Case 3b: NG-RAN node assisted positioning with LMF-side model, direct AI/ML positioning*
* *AI/ML assisted positioning*
* *Case 3a: NG-RAN node assisted positioning with gNB-side model, AI/ML assisted positioning*
* *Specify necessary measurements, signalling/mechanism(s) to facilitate LCM operations specific to the Positioning accuracy enhancements use cases, if any*
* *Investigate and specify the necessary signalling of necessary measurement enhancements (if any)*
* *Enabling method(s) to ensure consistency between training and inference regarding NW-side additional conditions (if identified) for inference at UE for relevant positioning sub use cases*

**Consider aggregated gNB case first, then split architecture.***From RAN3#128:**Define the Positioning Data Collection Needed IE as a new bitmap. The requested information in the bitmap is timing measurement (UL-TDOA, gNB Rx-Tx Time Difference) together with optional LoS/NLoS indicator.* *FFS if UE location can be requested.**The Positioning Data Collection Needed IE is introduced in the MEASUREMENT REPORT message.**Introduce POSITIONING DATA COLLECTION REPORT message as class 2 procedure including Positioning Data Information IE and RAN/LMF Measurement IDs* *Introduce an optional Positioning Data Unavailable IE (FFS on encoding) when the Positioning Data Information IE is absent in the POSITIONING DATA COLLECTION REPORT message. The codepoints indicating the reason.**RAN3 confirms that Performance monitoring is done in the RAN in case 3a.**RAN3 confirms the WA: For case 3a data collection, Part A is known internally by the gNB and is not signalled over any network interface.**Introduce the new flag “Inferred measurement” in the TRP Measurement Result to align with RAN1 conclusion**FFS: if LMF should specifically request for AIML inferred measurement.* |
| [R3-255009](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255009.zip) | LS on Rel-19 AI/ML positioning higher layer parameters list Post RAN1#121 (RAN1(Ericsson)) | LS inNoted |
| [R3-255016](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255016.zip) | Logged Data Handling During Handover (RAN2(Nokia)) | LS inNoted |
| [R3-255023](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255023.zip) | Reply LS on AI/ML Positioning Case 3a (SA2(Nokia)) | LS in**Solution 2 is not pursued in Rel-19**Noted |
| [R3-255029](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255029.zip) | Reply LS on OAM-centric solution for NW-side data collection (SA5(Huawei)) | LS inccNoted |
| [R3-255758](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255758.zip) | Summary of AIML for PHY (Positioning) offline discussion (Ericsson) | discussion |
| [R3-255572](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255572.zip) | (TP to NRPPa BL CR): addition of UL SRS time domain channel measurement (Ericsson, Xiaomi, CATT, CEWIT, Nokia, Samsung) | otherHW: Power Information needs further checking offline |
| [R3-255337](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255337.zip) | (TP to BL CR TS 38.473) addition of UL SRS time domain channel measurement (Xiaomi, Ericsson, CATT, Nokia, Samsung) | otherF1AP mirror of 5572, should be aligned with NRPPa |
| [R3-255160](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255160.zip) | Views on the Open Issues for AI/ML Positioning Accuracy Enhancements (Qualcomm Incorporated) | discussion |
| [R3-255161](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255161.zip) | TP to BL CR for TS 38.305 (Qualcomm Incorporated) | other |
| [R3-255184](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255184.zip) | (TP to BL CR for TS38.305) Support of AI Positioning (CATT) | other* update taking into account other 38.305 TPs
* Figure should be updated to reflect up to N number of gNGs

Rev in [R3-255775](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5C%5CChair%5CAgenda%5CInbox%5CR3-255775.zip) |
| [R3-255185](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255185.zip) | (TP to BL CR for TS38.455) Support of AI Positioning for Case 3a (CATT) | other |
| [R3-255200](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255200.zip) | [TP for BL CR to TS 38.305 & TP for BL CR to TS 38.455] Discussion on AI/ML for positioning Case 3a (NEC) | other |
| [R3-255201](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255201.zip) | [TP for BL CR to TS 38.455] Discussion on AI/ML for positioning Case 3b (NEC) | other |
| [R3-255288](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255288.zip) | Remaining Issues for AI/ML based positioning case 3a and TP to NRPPa (CEWiT, IITM, Tejas Networks) | discussion |
| [R3-255336](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255336.zip) | (TPs for TS 38.305 and TS 38.455) Support of gNB-side model (case 3a) (Xiaomi) | other |
| [R3-255372](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255372.zip) | (TPs for AI/ML BLCR to TS 38.300/305/401/455/473) Remaining open issues for AI/ML-based positioning Case 3a and Case 3b (Huawei) | other |
| [R3-255377](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255377.zip) | Discussion on support of AI/ML assisted positioning (Case 3a) (China Telecom) | discussion |
| [R3-255378](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255378.zip) | (TP to TS38.305) On support of AIML assisted positioning (China Telecom) | other |
| [R3-255407](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255407.zip) | (TP to BLCR 38.455) Provision of associated ID in Case 1 (Lenovo) | other |
| [R3-255456](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255456.zip) | (TP to TS 38.300) AI/ML Training in OAM for case 3a (Nokia, Ericsson, Xiaomi, Samsung, CATT, ZTE) | other **Agreed** |
| [R3-255457](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255457.zip) | (TP to TS 38.305) Addressing remaining aspects in case 3a and case 3b (Nokia) | other |
| [R3-255503](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255503.zip) | (TP to BL CR to 38.401) AI/ML assisted Positioning (ZTE Corporation, Ericsson, Xiaomi, Nokia, Samsung, CATT) | other **Agreed** |
| [R3-255504](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255504.zip) | (TP to BL CR to 38.455) Support of AI/ML assisted Positioning (case 3a) (ZTE Corporation) | other |
| [R3-255570](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255570.zip) | (TP to NRPPa/TS 38.305 BL CR): Addressing remaining issues of NW-assisted AI/ML positioning with gNB-sided model (Ericsson, Nokia) | other |
| [R3-255571](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255571.zip) | Way forward for Proactive (NGAP-based solution) for AI/ML NG-RAN assisted positioning (Ericsson) | discussion |
| [R3-255583](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255583.zip) | [Draft] Reply LS on AI/ML Positioning Case 3a (Nokia) | LS out To: SA2 CC:  |
| [R3-255669](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255669.zip) | Discussion on AI for positioning case 3a and case 3b (Samsung) | discussion |
| **Inferred measurement results and request****The "LoS/NLoS indicator" can also be a gNB inferred measurement.**Nok, HW: Can be inferred but no need for gNB to indicate that it has been inferred**In a POSITIONING DATA COLLECTION REPORT message, a LMF can provide the LoS/NLoS label information independently of any timing information label. The current semantics description in IE Positioning Data Information (9.2.Z2 [1]) is removed.****It should be possible for an LMF to specifically request for AI/ML inferred measurements from TRPs.****POSITIONING DATA COLLECTION REPORT: Indication of "Positioning Data Unavailable"****Add the following error causes to the Positioning Data Unavailable IE:****- Positioning Data Information Not Supported****- Positioning Data Information Supported But Currently Not Available** **CB: # 17\_AIPHY****- Further check 5572 and 5337** **- TPs to reflect the above agreements****- BL CR cleanup and completion****- Reply LS to SA2 based on 5583**(Ericsson) |
| **Logged data handling during handover** |
| [R3-255338](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255338.zip) | (Draft LS out) Logged data handling during handover (Xiaomi) | LS out To: RAN2 CC:  |
| [R3-255373](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255373.zip) | (Draft Reply LS to RAN2) Discussion on R3-255016 (R2-2504950) LS Logged Data Handling During Handover (Huawei) | other |
| [R3-255406](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255406.zip) | Discussion on NW side data collection (Lenovo) | discussion |
| [R3-255458](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255458.zip) | Logged Data Handling after a Handover Event (Nokia) | discussion |
| [R3-255459](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255459.zip) | [Draft] Reply LS on Logged Data Handling During Handover (Nokia) | LS out To: RAN2 CC: SA5 |
| [R3-255505](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255505.zip) | [Draft LS] Reply LS on logged Data Handling During Handover (ZTE Corporation) | other |
| [R3-255670](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255670.zip) | Discussion on Logged Data Handling During Handover (Samsung) | other |
| [R3-255551](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255551.zip) | (TP for TS 38.455) Enhancements for AI/ML-assisted Positioning – Feedback, Model Identification, and Training-Inference Consistency (Jio Platforms) | discussionwithdrawn |
| 21. NR XR Enhancements WIWID [NR\_XR\_Ph3-Core]: [RP-250107](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 21.1. General*Work plan, BL CRs* |
| [R3-255101](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255101.zip) | (BL CR to 37.340) Support of XR enhancements (ZTE Corporation, Nokia, Nokia Shanghai Bell, Qualcomm Inc, Lenovo, Huawei, Ericsson, CATT, CMCC, Samsung, Xiaomi, NEC, China Telecom, Ofinno) | draftCR |
| [R3-255102](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255102.zip) | (BL CR to 37.483) Support of XR enhancements (CMCC, Nokia, Nokia Shanghai Bell, Huawei, CATT, Xiaomi, Ofinno, China Telecom, ZTE, Ericsson, Qualcomm, Samsung, NEC) | CR0171r3, TS 37.483 v18.5.0, Rel-19, Cat. B |
| [R3-255103](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255103.zip) | (BL CR to 38.300) Support of XR enhancements (Nokia, Nokia Shanghai Bell, Lenovo, Qualcomm, Xiaomi, CATT, Ericsson, CMCC, Samsung, Huawei, China Telecom) | draftCR |
| [R3-255104](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255104.zip) | (BL CR to 38.413) Support of XR enhancements (Lenovo, Nokia, Nokia Shanghai Bell, CMCC, China Telecom, Huawei, ZTE, Ericsson, Samsung, Qualcomm, Ofinno) | CR1282r3, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255105](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255105.zip) | (BL CR to 38.415) Support of XR enhancements (China Telecom, Nokia, Nokia Shanghai Bell, ZTE, Huawei, CMCC, Ericsson, Samsung, Lenovo) | CR0056r3, TS 38.415 v18.2.0, Rel-19, Cat. B |
| [R3-255106](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255106.zip) | (BL CR to 38.423) Support of XR enhancements (CATT, Samsung, Ericsson, Nokia, Nokia Shanghai Bell, Lenovo, ZTE, Qualcomm, Huawei, CMCC, NEC, Ofinno) | CR1269r14, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255107](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255107.zip) | (BL CR to 38.425) Support of XR enhancements (Ericsson, AT&T, BT, T-Mobile USA, Charter Communications, Qualcomm, Huawei, Nokia, Nokia Shanghai Bell, China Telecom, CMCC, ZTE, CATT, Ofinno) | CR0156r10, TS 38.425 v18.1.0, Rel-19, Cat. B |
| [R3-255108](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255108.zip) | (BL CR to 38.473) Support of XR enhancements (Huawei, Ericsson, Lenovo, CMCC, Qualcomm, Xiaomi, Nokia, Nokia Shanghai Bell, China Telecom, Ofinno) | CR1485r7, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255296](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255296.zip) | Rapporteur Inputs on workplan (Nokia, Qualcomm (Rapporteurs)) | Work Plan |
| **21.2. Support XR in DC***Extend Release 18 standalone mechanism to support NR-NR dual connectivity as follows [RAN3]** *PDU set based handling*
* *ECN marking*
* *Burst Arrival Time reporting, if needed*
* *PSI Discard coordination, if needed*

*Note: No RAN2 impact from above items***XR for NR-DC is completed in RAN3.** |
| **21.3. Others*** *Support and specify multi-modality awareness for QoS flows in both DL and UL RAN [RAN3]:*
* *Specify uplink congestion signalling [RAN2, RAN3]:*
* *Specify in MAC layer XR rate control signalling over downlink per QoS flow/per DRB and the associated F1 signalling, if any, to enable faster source rate adaption to uplink congestion.*
* *Support of PDU set based QoS handling enhancement [RAN3]:*
* *Support of DL PDU Set marking without PDU Set QoS*
* *Support of Alternative PDU Set QoS, which may contain UL and/or DL PDU Set QoS Parameters (i.e. UL PSDB, DL PSDB, UL PSER and/or DL PSER).*
* *QoS Handling when Traffic Characteristics Change Dynamically [RAN3]*
* *TTNB and burst size to be provided over GTP-U*
* *Support of exposure of available data rate [RAN3]*

*Note: Coordination with SA2, as needed**From RAN3#128:**CU sends the uplink rate control indication per QoS flow over F1 to DU.**Other additional assistance information from CU to DU?**- Recommended UL bit rate infor per QoS flow**- Measured bit rate per QoS flow**- No additional information**No NGAP signaling enhancement is needed for the support of non-homogeneous deployment?**Introduce a F1AP IE, similar to NGAP Indication of Bitrate Adaptation IE.**Reuse the existing PDCP discard indication in F1-U to indicate the gNB-DU to stop the transmission/retransmission of a RLC SDU or the segment of a RLC SDU. FFS on how to capture this agreement.* *For uplink, FFS on whether/how gNB-DU can configure the autonomous retransmission and/or enhanced polling thresholds for the DRB.**For downlink, FFS on whether/how enhance Signalling between CU and DU to support timely retransmission.* |
| [R3-255013](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255013.zip) | Reply to LS on Indicating Time to the Next Data Burst (TTNB) (RAN2(Qualcomm)) | LS incc |
| [R3-255014](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255014.zip) | Reply LS to SA2 on XR rate control (RAN2(vivo)) | LS incc |
| [R3-255297](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255297.zip) | (TP to BL CR for TS 37.340) Discussion on the remaining issues for Rel-19 XR (Nokia, Nokia Shanghai Bell) | other |
| [R3-255215](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255215.zip) | Discussion on RLC enhancement (NEC) | discussion |
| [R3-255279](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255279.zip) | Remaining issues on XR uplink rate control (Ofinno, LLC) | discussion |
| [R3-255280](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255280.zip) | (TPs for TS 38.423, TS 37.340) Support of UL rate control (Ofinno, LLC) | other |
| [R3-255298](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255298.zip) | (TP for BL CR for TS 38.300) enhancements to Stage-2 (Nokia, Nokia Shanghai Bell, ZTE Corporation, Ericsson) | other |
| [R3-255323](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255323.zip) | R19 XR Signaling Enhancements (Qualcomm Incorporated) | discussion |
| [R3-255389](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255389.zip) | Discussion on XR rate control (vivo) | discussion |
| [R3-255408](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255408.zip) | (TP to XR BLCR for 38.473) On Timely RLC Retransmission (Lenovo) | other |
| [R3-255409](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255409.zip) | (TP to XR BLCR for 38.425) On Unnecessary RLC Retransmission Avoidance (Lenovo) | other |
| [R3-255416](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255416.zip) | Discussion on UL rate control (Huawei) | discussion |
| [R3-255417](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255417.zip) | (TP for XR BL CRs) Discussion on RLC enhancements for XR (Huawei) | other |
| [R3-255422](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255422.zip) | (TP for BL CR for TS 38.473) enhancements to support timely RLC retransmissions (Nokia, Nokia Shanghai Bell) | other |
| [R3-255573](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255573.zip) | [TP for BL CR TS 37.483] Support of DL PDU Set Information Marking Support Indication (Ericsson, ZTE Corporation, Nokia, Nokia Shanghai Bell) | other |
| [R3-255574](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255574.zip) | [TP to XR BL CR for 38.413] RAN status indication of Available data rate reporting (Ericsson) | other |
| [R3-255610](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255610.zip) | (TP for XR BL CR for TS38.300) Clean-up for QNC (Huawei, CMCC, China Telecom) | other |
| [R3-255611](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255611.zip) | (TP for XR BL CR for TS37.340) Clean-up for QNC (Huawei, CMCC, China Telecom) | other |
| [R3-255638](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255638.zip) | (draft LS to SA2) Discussion on other aspects for NR XR enhancements (Samsung) | discussion |
| [R3-255639](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255639.zip) | (TP to BLCR for TS 38.473 and TS 38.413) NR XR enhancements (Samsung) | other |
| [R3-255647](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255647.zip) | Disccsion on NR XR Enhancements for others (CATT) | discussion |
| [R3-255648](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255648.zip) | (TP for 38.473 and 38.425) NR XR enhancement for others (CATT) | other |
| [R3-255717](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255717.zip) | Discussion on XR RAN Awareness and UL Rate Control (Meta) | discussion |
| [R3-255731](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255731.zip) | [TP to BLCR 38413, 38473, 37483, 38425, 38300] TPs for XR remaining issues on UL Bit Rate Control and Timely RLC retransmission (ZTE Corporation) | other |
| [R3-255732](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255732.zip) | Discussion on remaing issues in XR with draft reply LS to SA2 (ZTE Corporation) | discussion |
| [R3-255733](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255733.zip) | [TP for BL CR TS 38.473] Support of DL PDU Set Information Marking Indication (ZTE Corporation, Nokia, Nokia Shanghai Bell, Ericsson) | other |
| **22. NR Sidelink Multi-hop Relay WI**WID [NR\_SL\_relay\_multihop-Core]: [RP-250188](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| **22.1. General***Work plan, BL CRs* |
| [R3-255109](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255109.zip) | (BL CR to 38.413) Support of Multi-hop relay (Nokia, Nokia Shanghai Bell, Ericsson, Huawei, LG Electronics, NEC, CATT, InterDigital, Samsung, ZTE, FirstNet, NIST) | CR1262r3, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255110](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255110.zip) | (BL CR to 38.423) Support of Multi-hop relay (Ericsson, LG Electronics, Nokia, Nokia Shanghai Bell, Huawei, NEC, CATT, InterDigital, Samsung, ZTE, FirstNet, NIST) | CR1461r3, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255111](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255111.zip) | (BL CR to 38.401) Support of Multi-hop relay (LG Electronics Inc., ZTE, Nokia, Nokia Shanghai Bell, Ericsson, FirstNet, Huawei) | CR0463r5, TS 38.401 v18.6.0, Rel-19, Cat. B |
| [R3-255112](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255112.zip) | (BL CR to 38.470) Support of Multi-hop relay (ZTE Corporation, Ericsson, LG Electronics, Nokia, Nokia Shanghai Bell) | CR0165r3, TS 38.470 v18.5.0, Rel-19, Cat. B |
| [R3-255113](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255113.zip) | (BL CR to 38.473) Support of Multi-hop relay (Huawei, LG Electronics, Nokia, Nokia Shanghai Bell, NEC, CATT, Ericsson, Samsung, ZTE, Interdigital, FirstNet) | CR1548r5, TS 38.473 v18.6.0, Rel-19, Cat. B |
| **22.2. Support multi-hop Layer-2 UE-to-Network relay***Specify solutions that are needed to support multi-hop Layer-2 UE-to-Network relay for a single indirect path via SL relay UEs based on Rel-17/18 SL relay functionalities [RAN2, RAN3]*1. *Specify mechanisms to support up to two additional hops relays on top of Rel-17 U2N relay. The work started with one additional hop relay (i.e., remote UE -> first relay UE -> last relay UE -> gNB) and it is concluded in RAN#107 that the work is extended to two additional hops relays (i.e., remote UE -> first relay UE -> second relay UE -> last relay UE -> gNB). A necessary criterion for the specified mechanisms is to be forward compatible for future extensions for additional relays.*
	1. *Relay discovery and (re)selection [RAN2]*
	2. *Signalling support for relay UEs and remote UE authorization if SA2 concludes it is needed [RAN3]*
	3. *Impact on SRAP and QoS handling for multi-hop [RAN2]*
	4. *Control plane procedures [RAN2, RAN3]*

*From RAN3#128:**Reuse the Peer UE ID IE as counterpart information with the update for the semantics description.**WA: RAN3 supports that the remote UE local ID uniquely identifies a multi-hop remote UE within the last relay UE.**FFS whether the same PC5 RLC channel ID can be allocated toward the parent UE and child UE.**FFS whether upon the reception of the RRCSetupRequest message, the gNB-DU needs to know that which Relay UE is the First Relay UE of the U2N Remote UE to configure lower layer configuration of Remote UE’s SRB1.**FFS whether to enhance the F1 signaling to support the multiplexing of PC5 Relay RLC channel is needed can be further discussed in next meeting.* |
| [R3-255761](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255761.zip) | Summary on NR Sidelink Multi-hop Relay(LG Electronics) | discussion |
| [R3-255158](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255158.zip) | (TP for TS 38.401 and 38.473) Support of Multi-hop relay (LG Electronics, FirstNet) | other |
| [R3-255159](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255159.zip) | Discussion on remaining issues in service continuity (LG Electronics, FirstNet) | discussion |
| [R3-255257](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255257.zip) | (TP to BL CR for TS 38.401) Stage-2 Updates for SL Multi-hop (Ericsson) | other |
| [R3-255493](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255493.zip) | (TP for 38.401) Multi-hop relay (Huawei) | other |
| [R3-255494](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255494.zip) | (TP for 38.473) Multi-hop relay (Huawei) | other |
| [R3-255228](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255228.zip) | Remaining issues on multi-hop relay (ZTE Corporation) | discussion |
| [R3-255299](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255299.zip) | (TP to BL CR for TS 38.473) Discussion on the support of multi-hop Layer-2 UE-to-Network relay (Nokia, Nokia Shanghai Bell) | other |
| [R3-255649](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255649.zip) | Discussion on Multi-hop U2N relay (CATT) | discussion |
| [R3-255348](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255348.zip) | Remaining issues on multi-hop for SL relay (Samsung) | discussion |
| [R3-255384](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255384.zip) | Further discussion on multi-hop relay (China Telecom) | discussion |
| [R3-255258](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255258.zip) | (TP to BL CR for TS 38.473) Support of SL Multi-hop in F1AP (Ericsson) | other |
| [R3-255300](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255300.zip) | (TP to BL CR for TS 38.401) update for service continuity (Nokia, Nokia Shanghai Bell) | other |
| [R3-255349](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255349.zip) | (TP to BL CR for 38.473) Support of multi-hop relay (Samsung) | other |
| [R3-255229](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255229.zip) | (TP to TS 38.401, 38.473) on support of multi-hop relay (ZTE Corporation) | other |
| [R3-255650](file:///%5CD%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255650.zip) | (TP for 38.473 and 38.401) Support on Multi-hop relay (CATT) | other |
| 23. LTE-based 5G Broadcast WIWID [LTE\_terr\_bcast\_Ph2-Core]: [R3-250794](https://www.3gpp.org/ftp/tsg_ran/TSG_RAN/TSGR_107/Docs) (target: RAN #109) [TU: 0.5]**QUOTA: 2** |
| 23.1. General*Work plan, BL CRs* |
| **23.2. Signalling Support***For MBMS-dedicated cells, specify time-frequency interleavers [RAN1] and corresponding signaling [RAN2, RAN3]**From RAN3#128:**MCE decides the TFI and the configuration of TFI, and indicates the configuration of TFI to the eNBs.**Regarding parameters configuration for TFI, per PMCH configuration is adopted in RAN1.* |
| [R3-255674](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255674.zip) | Consideration on LTE-based 5G Broadcast Phase 2 (Huawei, Qualcomm Incorporated, EBU) | discussionNoted |
| [R3-255675](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255675.zip) | Introduction of LTE-based 5G Broadcast Phase 2 (Huawei, Qualcomm Incorporated, EBU) | CR0133r, TS 36.443 v18.0.0, Rel-19, Cat. B**CB: # 18\_LTE5Gbroadcast****- add ZTE as cosource****- check alignment with RAN2 CR**(Huawei) |
| [R3-255739](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255739.zip) | Discussion on LTE-based 5G Broadcast (ZTE Corporation) | discussionNoted |
| [R3-255740](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255740.zip) | Correction for LTE-based 5G Broadcast (ZTE Corporation) | otherNoteds |
| 31. Corrections and Enhancements to Rel-19[TU: 0.5] (shared with AI 9)**QUOTA: 2** |
| 31.1. Corrections |
| [R3-255289](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255289.zip) | Correction on the description of UE Context Information – Retrieve UE Context Response (ZTE Corporation) | CR1504r, TS 38.423 v18.6.0, Rel-19, Cat. FE///: No chance to confuse the IE, it is included in only one placeNok: We should have procedural text for optional IENoted |
| [R3-255390](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255390.zip) | Correction of system information management function (Huawei) | CR0166r, TS 38.470 v18.5.0, Rel-19, Cat. F **Agreed** |
| [R3-255518](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255518.zip) | PNI NPN with limited CAG validity (Nokia) | discussion[E///] Should be discussed in SA2 for end-to-end behaviour[HW] CAG validity should not have RAN3 impactNoted |
| [R3-255694](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255694.zip) | Correction on Location Reporting Procedure (ZTE Corporation) | CR1312r, TS 38.413 v18.6.0, Rel-19, Cat. FNoted |
| 31.2. Enhancements |
| [R3-255519](file:///D%3A%5C%5C3GPP%20WG%20tdoc%5C%5CTSGR3_129%5C%5CDocs%5C%5CR3-255519.zip) | Enhancement of Split Bearers (Nokia) | discussion[HW] Does this create potential security issue?[ZTE] Can already be achieved by omitting an optional IENoted |
| [R3-255539](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255539.zip) | Partial Data Collection Reporting (Ericsson, Jio Platforms, BT, LG Electronics) | discussion[ZTE] Not applicable to one-time reporting. For periodic, does not seem useful[Nok] Does not seem to solve the problem since it doesn’t consider the number of samplesNoted |
| [R3-255575](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255575.zip) | Support of UE RRC state indication for faster UE context setup (Ericsson) | CR1585r, TS 38.473 v18.6.0, Rel-19, Cat. B[ZTE] Not convinced about benefit[Nok] Stage 2 aspects are unclear[HW] Need to see the full picture, including Stage 2Noted |
| 31.3. Endorsed TEI19 CRs Review*Resubmission of previously endorsed Rel-19 TEI CRs.***Quota free** |
| [R3-255114](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255114.zip) | Correction of message level criticality of E1AP procedures (Huawei) | CR0144r2, TS 37.483 v18.5.0, Rel-19, Cat. F |
| [R3-255115](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255115.zip) | Time Reference Distribution Information in S1AP (Qualcomm, Vodafone Group Plc, Vodafone Telekomünikasyon A.S.) | CR1956r2, TS 36.413 v18.3.0, Rel-19, Cat. F |
| [R3-255116](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255116.zip) | Support of Multicast MBS session restoration procedure for N3mb path failure (Huawei, CMCC, CBN, China Broadnet, Qualcomm Incorporated, Nokia) | CR1220r4, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255117](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255117.zip) | Recovery of N3mb path failure for unicast transport of multicast session (Nokia, Ericsson, Huawei) | CR0146r3, TS 37.483 v18.5.0, Rel-19, Cat. B |
| [R3-255118](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255118.zip) | Recovery of N3mb path failure for unicast transport of multicast session (ZTE Corporation, Nokia, Huawei, CATT) | draftCR |
| [R3-255119](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255119.zip) | Inactivity Timer for Fixed Wireless Access [Inactivity\_Timer\_FWA] (Nokia, Ericsson, Huawei, ZTE) | CR0143r4, TS 37.483 v18.5.0, Rel-19, Cat. B |
| [R3-255120](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255120.zip) | Inactivity Timer for Fixed Wireless Access [Inactivity\_Timer\_FWA] (Huawei, Nokia, ZTE, Ericsson) | CR0455r2, TS 38.401 v18.6.0, Rel-19, Cat. B |
| [R3-255121](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255121.zip) | Correction on UE Radio Capability Retrieval (ZTE Corporation, CMCC, Nokia, Huawei, Ericsson, CATT) | CR1264r2, TS 38.413 v18.6.0, Rel-19, Cat. F |
| [R3-255122](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255122.zip) | Correction on UE Radio Capability Retrieval (Huawei, Ericsson, Nokia, ZTE, CATT, CMCC) | CR1964r2, TS 36.413 v18.3.0, Rel-19, Cat. F |
| [R3-255123](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255123.zip) | E-CID measurement enhancement [ECID\_enh1] (Ericsson, NTT Docomo, Nokia, Polaris Wireless, ZTE, CATT, Huawei, Samsung, China Telecom) | CR0186r3, TS 38.455 v18.6.0, Rel-19, Cat. B |
| [R3-255124](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255124.zip) | E-CID measurement enhancement [ECID\_enh1] (Ericsson, NTT Docomo, Nokia, Polaris Wireless, ZTE, CATT, Huawei, Samsung, China Telecom) | CR1543r3, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255125](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255125.zip) | Trace Depth for Vendor Specific Trace Record (Nokia, Ericsson, Huawei, ZTE Corporation) | CR1266r2, TS 38.413 v18.6.0, Rel-19, Cat. B |
| [R3-255126](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255126.zip) | Trace Depth for Vendor Specific Trace Record (Ericsson, Huawei, ZTE Corporation, Nokia) | CR1485r2, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255127](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255127.zip) | Trace Depth for Vendor Specific Trace Record (ZTE Corporation, Ericsson, Nokia, Huawei) | CR0169r1, TS 37.483 v18.5.0, Rel-19, Cat. B |
| [R3-255128](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255128.zip) | Trace Depth for Vendor Specific Trace Record (Huawei, Ericsson, ZTE Corporation, Nokia) | CR1564r3, TS 38.473 v18.6.0, Rel-19, Cat. B |
| [R3-255129](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255129.zip) | Correction of the interaction with other procedures related to the User Plane Failure (Ericsson, Nokia, Huawei) | CR1270r3, TS 38.413 v18.6.0, Rel-19, Cat. F |
| [R3-255130](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255130.zip) | X2 TNL address exchange (Vodafone, Ericsson, Huawei, Nokia, ZTE Corporation) | CR1962r4, TS 36.413 v18.3.0, Rel-19, Cat. F |
| [R3-255131](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255131.zip) | Xn TNL address exchange (Vodafone, Ericsson, Huawei, ZTE Corporation, Nokia, Jio Platforms) | CR1235r4, TS 38.413 v18.6.0, Rel-19, Cat. F |
| [R3-255132](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255132.zip) | E-CID measurement enhancement [ECID\_enh1] (Ericsson, ZTE) | draftCR |
| [R3-255133](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255133.zip) | Support Aerial UE Flight Information Reporting (CATT, CMCC, Ericsson, ZTE, Nokia,China Telecom, Huawei) | draftCR |
| [R3-255134](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255134.zip) | Support Aerial UE Flight Information Reporting [UAS\_Ph3] (ZTE Corporation, Ericsson, CATT, CMCC, Nokia, China Telecom, Huawei) | CR1460r4, TS 38.423 v18.6.0, Rel-19, Cat. B |
| [R3-255135](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255135.zip) | Support Aerial UE Flight Information Reporting to CN (Ericsson, CMCC, ZTE, CATT, Nokia, Huawei) | CR1259r6, TS 38.413 v18.6.0, Rel-19, Cat. BRev in [R3-255757](https://nokianam-my.sharepoint.com/personal/sean_kelley_nokia_com/Documents/Inbox/R3-255757.zip) |
| [R3-255136](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255136.zip) | Support Aerial UE Flight Information Reporting (Huawei, Nokia, ZTE, CATT, Ericsson) | CR0054r3, TS 38.410 v18.3.0, Rel-19, Cat. B |
| [R3-255137](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255137.zip) | Correction for PDCP SN gap report during UE’s handover – Alt 1 (Huawei, LG Electronics, Qualcomm, China Telecom, Xiaomi, CMCC, Samsung) | CR1491r3, TS 38.423 v18.6.0, Rel-19, Cat. F |
| 32. Any other business |
| [R3-255517](file:///D%3A%5C3GPP%20WG%20tdoc%5CTSGR3_129%5CDocs%5CR3-255517.zip) | Draft skeleton of the RAN3 Technical Report (TR) for 6G (VODAFONE Group Plc) | discussion |
| 33. Closing of the meeting  |

**Conference Calls Schedule (tentative)**

**Only delegates registered to the meeting will receive invitations to conference calls
All times are local time**

**For sessions longer than 2 h, there will be a 5-10 min. break in the middle of the session**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Monday** | **Tuesday** | **Wednesday** | **Thursday** | **Friday** |  |
| 08000830 | **0900 START OF MEETING** | Offline\* | Offline\* | Offline\* | Offline\* |  |
| AI 31 | Offline\* | Offline\* | Offline\* |
| 0900 |  Org: AI 1-8 | AI RAN WI: AI 11 | Mobility Enh WI: AI 13G | NR NTN WI: AI 14IoT NTN WI AI 15Network ES WI: AI 17 | **CBs** |  |
| *1030~1100* | *Coffee Break* |  |
|  | AI 8 (cont.)Corrections: AI 9 | AI RAN WI: AI 11 | Topological enhancements WI: AI 12 | SON/MDT WI: AI 10L | **CBs** |  |
| *1300~1430* | ***Lunch Time*** |  |
|  | Corrections: AI 9 | Ambient IoT WI: AI 16 | Topological enhancements WI: AI 12XR WI: AI 21 | SON/MDT WI: AI 10LEarly CBsAll CBs in AI8, AI9, AI31 will be treated | **CBs****END OF MEETING** |  |
| *1630~1700* | *Coffee Break* |  |  |
|  | Corrections: AI 9~~/31~~Duplex WI: AI 19 | Ambient IoT WI: AI 16AI PHY WI: AI 20 | LP WUS WI: AI 18 SL Relay WI: AI 22G | Early CBsAI31.3, AI32 |  |  |
|  |  |
| 19002000 |  | LTE MBS WI: AI23 | 1930: Social EventSheraton Hotel |  |  |  |
|  |  |  |  |  |  |

blue Study Items
L, G chaired by Vice-Chairs
highlighted changed ~~strikethrough~~ not treated
\* if needed

Future meeting dates

|  |  |  |  |
| --- | --- | --- | --- |
| ***Title*** | ***Dates*** | ***Venue*** | ***Location*** |
| RAN3#129 | 25 – 29 Aug 2025 | F2F Meeting | Bengaluru |
| RAN#109 | 15 – 18 Sep 2025 | F2F Meeting | Beijing |
| RAN3#129bis | 13 – 17 Oct 2025 | F2F Meeting | Prague |
| RAN3#130 | 17 – 21 Nov 2025 | F2F Meeting | Dallas |
| RAN#110 | 8 – 11 Dec 2025 | F2F Meeting | Baltimore |

**Agenda color coding**

|  |
| --- |
| **10. Agenda Item** |
| **10.x. Sub Agenda Item****QUOTA: 5** |
| **10.x.1. Sub-sub Agenda Item** |
| 10.x.1.1. Sub-sub-sub Agenda Item |
| **TOPIC GROUPING (used to group and highlight a topic, but it is not an Agenda Item)** |
| 10.x.1.2. Sub-sub-sub Agenda Item |

Agenda Items that are greyed-out are not expected to be treated at this meeting.

**QUOTA:** Each company may submit up to *n* contributions to the Agenda Item where this number appears. This number applies to the *sum* of all Tdocs submitted to *all* the sub-Agenda Items. In the example above, a company may submit up to 5 contributions to AI 10.x in any combination: e.g. up to 4 to 10.x.1.1 and up to 1 to 10.x.1.2, or up to 3 to 10.x.1.1 and up to 2 to 10.x.1.2, and so on.

**Chair’s notes color coding**

|  |  |  |
| --- | --- | --- |
| R3-xxxxxx | Available but not yet treated document  |  |
| R3-xxxxxx | This document has low priority |  |
| R3-xxxxxx | This document was not available at submission deadline or withdrawn |  |
| R3-xxxxxx | The quota for at least one of the sourcing companies was exceeded in this AI. This document is to be considered withdrawn and will not be treated. |  |
| R3-xxxxxx | This document was treated and either noted or merged. | Chair notes**Noted** – TDoc has been presented, no specific action results.**Merged** – TDoc is combined with one or more others and presented in a new, composite TDoc that is typically agreed or endorsed. |
| R3-xxxxxx | This document was treated and had a favorable conclusion. | Chair notes**Approved –** used for Report, Agenda, and LS out**Agreed** **–** used for CR to be sent to RAN, or TDoc to be merged in a BL CR or TR**Endorsed** **–** used for CR to be agreed by other WG e.g. TS 38.300, and for BL CR or TR subject to TDoc allocation by MCC for next meeting |
| R3-xxxxxx | Request for ComeBack (CB) during the meeting  | Chair notes**CB # n\_FolderName****- comments** (Company - moderator) |
| R3-xxxxxx | Open issue which might require further clarification in next meeting | Chair notes**Comments (no agreement)** |
| R3-xxxxxx | E-mail discussion (typically after the meeting) | Chair notes**Email#01**Deadline (Company)  |
| R3-xxxxxx | Agreed proposal, e.g. working assumption, tdoc proposal, etc. | Chair notes**Agreed proposal** |
| R3-xxxxxx | “To be continued” discussion: there was no agreement at this meeting and the discussion may continue at the next meeting | Chair notes**To be continued** |
| R3-xxxxxx | Important warning for consideration | Chair notes**Important warning for consideration** |