3GPP TSG-RAN WG2 Meeting #114 electronic [R2-2106471](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106471.zip)

Online, May, 2021

**Agenda item: 10.1**

**Source: Vice Chairman (Nokia)**

**Title:** **Report on LTE legacy, Mobility, DCCA, Multi-SIM and RAN slicing**

**Document for: Approval**

# Organizational

**List of offline email discussions:**

**NOTE: the email discussion deadlines are meant to allow at least all regions to have one day to comment (other than weekend) and also give rapporteurs time to update their proposals before the meeting)**

**Organizational**

* [AT114-e][200] Organizational – LTE legacy, Mobility, DCCA, Multi-SIM and RAN slicing

Scope:

* + - Share plans for the meetings and list of ongoing email discussions for the sessions
		- Share meetings notes and agreements for review and endorsement
		- Flag LSs and in-principle agreed CRs for discussion

      Intended outcome (for LS discussion):

* + - General information sharing about the sessions

      Deadline for providing comments to LSs and IPA CRs:

* + - Deadline: 2nd week Mon, UTC 0900

**LTE Legacy**

TBD

**LTE Rel-17**

TBD

**LTE Legacy up to Rel-16 (kicked off after 1st week online session)**

TBD

**LTE/NR Mobility (to be kicked off on 1st week Wednesday)**

* [AT114-e][210][MOB] LTE/NR mobility corrections (Huawei)

Scope:

* + - Discuss whether NR/LTE mobility marked for this discussion are seen agreeable.

 Intended outcome:

* + - Discussion summary in [R2-2106491](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-210xxxx.zip) (by email rapporteur).
		- Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 1st week Fri, UTC 0900
		- Initial deadline (for rapporteur summary): 2nd week Mon, UTC 1000
		- Deadline for CR finalization: 2nd week Wed, UTC 1000

**LTE/NR Mobility (kicked off after 1st week Wednesday online session)**

TBD - may not be needed

* [AT114-e][211][MOB] LTE/NR CR finalization (NN)

Scope:

* + - Finalize CRs discussed online

 Intended outcome:

* + - Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 2nd week Tue, UTC 0900
		- Deadline for CR finalization: 2nd week Wed, UTC 0900

**LTE/NR Rel-16 DCCA (to be kicked off on 1st week Wednesday)**

* [AT114-e][220][DCCA] Miscellaneous DCCA corrections (Ericsson)

Scope:

* + - Discuss corrections under R16 DCCA WI marked for this discussion to see which CRs could be agreeable.

 Intended outcome:

* + - Discussion summary in [R2-2106492](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-210xxxx.zip) (by email rapporteur).
		- Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 1st week Fri, UTC 0900
		- Initial deadline (for rapporteur summary): 2nd week Mon, UTC 1000
		- Deadline for CR finalization: 2nd week Wed, UTC 1000

**LTE/NR Rel-16 DCCA (to be kicked off after first week Wednesday session)**

TBD - [221] is likely needed

* [AT114-e][221][DCCA] Cell grouping CR (NN)

Scope:

* + - Discuss CRs for R16 NR-DC cell grouping based on online agreements.

 Intended outcome:

* + - Agreeable CRs. Intermediate status of discussion will be checked during 2nd week Monday session.

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Deadline for CR finalization: 2nd week Wed, UTC 1000

**NR Rel-17 DCCA (only started after online session)**

TBD

**NR Rel-17 Multi-SIM (only started after online session)**

TBD

**NR Rel-17 RAN Slicing (only started after online session)**

TBD

**Dates and deadlines**

May 10 23.59 PDT (May 11 06.59 UTC) Tdoc number allocation deadline for all tdocs.
General Tdoc Submission Deadline, as usual. Kick off, summaries.
Deadline long Post113bis-e email discussions (hopefully the report can be available at the deadline or not long after).

May 17 0700 UTC Tdocs submission deadline for Summaries.

May 19 0700 UTC e-Meeting Start (by email).

May 21 1000 UTC Suspend decision making in email discussions (= no deadlines etc). It should be possible for a delegate to take the weekend off, rejoin and not miss decisions. May 24 1000 UTC Resume decision making in email discussions.

May 26 1000 UTC For AT-meeting email discussions that doesn’t come back on-line: This is the Last Deadline for Technical/Functional Comments, non-agreeable parts are removed from proposed agreements. The last 24h until e-meeting Stop is for checking and during this time only minor wording changes, removals / simplifications are done.

May 27 1000 UTC e-Meeting Stop, no more email comments for AT-meeting email discussions. Decision confirmations announced within 24h. Session notes for email checking.

June 4 Deadline Short Post114-e email discussions.

**Web Conference Schedule**

Note that this schedule is indicative and can change. Changes to the schedule are announced with notice of 24h (except for days when detailed schedule is dependent on the conclusions the day before).

No Overtime, Hard stop at UTC 15.55 and UTC 05:10

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ZoneUTC** | **Web Conference R2 - Main** | **Web Conference R2 - BO1** | **Web Conference R2 - BO2** |
| **Wednesday May 19** |
| 12:15-13:05 | NR17 eMIMO (Johan) | NR16 Pos (Nathan) | NR17 NTN (Sergio) |
| 13:05-14:25 | NR15 NR16 NR17 Main session early items (Johan) | NR17 SL Relay (Nathan) | NR17 NTN (Sergio) |
| 14:25-15:45 | NR17 Multicast (Johan) | NR16 DCCA (Tero)*AI 6.5.2 (Other DCCA corrections)**- Outcome of [Post113bis-e][222]* NRLTE16 MOB (Tero)*AI 6.5.1 (CHO/CPC corrections)**: - Failure recovery via CHO (*[*R2-2105325*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105325.zip)*,* [*R2-2105326*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105326.zip)*)**- "Inability to comply with RRCReconfiguration" (*[*R2-2105003*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105003.zip)*,* [*R2-2106063*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106063.zip)*)**AI 6.5.1 and 6.5.2 (CHO and DAPS)**- CHO + DAPS co-existence (*[*R2-2105888*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105901.zip)*,* [*R2-2105606*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105606.zip)*)*LTE16e (Tero)*AI 4.5.1 (Other)**- Correction on T325 (*[*R2-2106288*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106288.zip)*,* [*R2-2106292*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106292.zip)*)**- Order of actions in PDCP procedural text (*[*R2-2106142*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106142.zip)*,* [*R2-2106143*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106143.zip)*)**- LTE RRC rapporteur CRs (*[*R2-2106317*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106317.zip)*,* [*R2-2106318*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106318.zip)*)*NR17 DCCA (Tero) - if time allows*AI 8.2.1 (Organizational)**- Making progress on further MRDC enhancements (*[*R2-2105986*](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105986.zip)*)* | LTE17 IoT (Brian) |
| **Thursday May 20** |
| 12:15-13:05 | NR17 IoT NTN SI (Johan) | 12:15 – 13:25 NR17 eURLLC (Diana)13:25-14:25 NR17 Small Data Enh (Diana) | NR17 RAN Slicing (Tero)- UL SMBR enforcement- Cell reselection- RACH (if time allows) |
| 13:05-14:25 | NR17 eIAB  | NR17 Multi-SIM (Tero), *end early (~14:05)*- Network switching for MUSIM- Paging collision (assistance information)NR17 SL enh (Kyeongin) |
| 14:25-15:45 | R17 Other (Johan) | NR17 RedCap (Sergio) | NR17 SL enh (Kyeongin) |
| **Friday May 21** |
| 04:00-05:00 | NR17 Multicast (Johan) | NR17 SONMDT (HuNan) | NR17 Pos (Nathan) |

|  |  |  |  |
| --- | --- | --- | --- |
| **Time ZoneUTC** | **Web Conference R2 - Main** | **Web Conference R2 - BO1** | **Web Conference R2 - BO2** |
| **Monday May 24** |
| 12:15-13:05 | NR17 QoE (Johan) | NR17 DCCA (Tero) | NR16 V2X (Kyeongin) |
| 13:05-14:25 | R17 Other Cont.(Johan) if needed | LTE17 (Tero)- SLIC attack and LS to GSMA- Inclusive languageNR16 DCCA (Tero)- Status check of NR-DC cell grouping discussion- Outcome of [220] (if needed)NRLTE16 MOB (Tero)- Outcome of [210] (if needed)LTE16 (Tero) - if needed | NR16 V2X (Kyeongin) |
| 14:25-15:45 | R15 R16 (Johan) | CB Sergio | NR17 Pos (Nathan) |
| **Tuesday May 25** |
| 12:15-13:05 | CB Johan (IoT NTN if needed) | NR16 SONMDT (HuNan) | CB Kyeongin |
| 13:05-14:25 | NR17 eNPN (Johan)CB Johan | NR17 Pos (Nathan)CB Nathan | LTE16e IoT (Brian, Emre) |
| 14:25-15:45 | CB Johan | CB Diana | CB Brian Emre |
| **Wednesday May 26** |
| 04:00-05:00 | CB TBD | CB Sergio | CB Kyeongin |
| **Thursday May 27** |
| 04:00-05:00 | CB Johan  | CB TeroNR17 DCCA - Outcome of any AT-meeting email discussionsMulti-SIM- Outcome of any AT-meeting email discussionsRAN slicing- Outcome of any AT-meeting email discussionsNR16 DCCA - Outcome NR-DC cell grouping (if needed) | CB Nathan |

# 4 EUTRA corrections Rel-15 and earlier

See Appendix A for reference to Work items, work item codes and WIDs.

Only essential corrections. No documents should be submitted to 4. Please submit to 4.x

## 4.5 Other LTE corrections Rel-15 and earlier

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

Purely editorial corrections should be avoided, text enhancements may be deprioritized. Corrections should be taken up with the specification editor before submitting to avoid CR duplication. If this is not done, the contribution may not be treated.

### 4.5.0 In-principle agreed CRs

Web Conf (Monday 2nd week) (1)

Including CRs that were in-principle agreed in RAN2#113bis-e (which do not count towards the Tdoc limit)

[R2-2106137](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106137.zip) Correction on category dependency for DL Category 13 Huawei, HiSilicon CR Rel-16 36.306 16.4.0 1806 2 F TEI16 [R2-2104341](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104341.zip)

* Flagging required to re-discuss a CR, to be done until end of 1st week. After that, all non-flagged IPA CRs will be marked as agreed.
* CB 2nd week

### 4.5.1 Other

Web Conf (Wednesday 1st week) (2+2+2)

Including CRs for T325 handling for inter-RAT HO (postponed in RAN2#113bis-e, see [R2-2104248](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104248.zip) and [R2-2104253](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104253.zip))

[R2-2106288](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106288.zip) Correction on T325 Google Inc. CR Rel-15 36.331 15.13.0 4640 1 F NR\_newRAT-Core [R2-2104248](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104248.zip)

*(moved from 4.5.0)*

[R2-2106292](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106292.zip) Correction on T325 Google Inc. CR Rel-16 36.331 16.4.0 4641 1 A NR\_newRAT-Core [R2-2104253](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104253.zip)

*(moved from 4.5.0)*

Order of actions in PDCP procedural text:

[R2-2106142](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106142.zip) Correction on integrity verification failure Samsung CR Rel-15 36.323 15.6.0 0294 - F TEI15

[R2-2106143](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106143.zip) Correction on integrity verification failure Samsung CR Rel-16 36.323 16.3.0 0295 - A TEI15

Editorial corrections from RRC rapporteur:

[R2-2106317](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106317.zip) Minor changes collected by Rapporteur for Rel-15 Samsung CR Rel-15 36.331 15.13.0 4683 - F SPIA\_IDC\_LTE-Core, LTE\_5GCN\_connect-Core

[R2-2106318](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106318.zip) Minor changes collected by Rapporteur for Rel-16 Samsung CR Rel-16 36.331 16.4.0 4684 - F SPIA\_IDC\_LTE-Core, LTE\_5GCN\_connect-Core, TEI16

# 6 Rel-16 NR Work Items

Essential corrections. While high maintenance intensity is expected, Rel-16 corrections are treated separately per WI.

Tdoc Limitation: 30 tdocs in total for all sub agenda items, or the restriction for each sub-AI, whichever is more restrictive.

## 6.4 NR and LTE mobility enhancements

(NR\_Mob\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed June 20; WID: RP-192277).

(LTE\_feMob-Core; leading WG: RAN2; REL-16; started: Jun 18; Completed: June 20; WID: RP-190921)

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

No documents should be submitted to 6.4. Please submit to 6.4.x

Purely editorial corrections should be taken up with the specification editor before submitting to avoid CR duplication. If this is not done, the contribution may not be treated.

Tdoc Limitation: 8 tdocs, See also tdoc limitation for Agenda Item 6

### 6.4.0 In-principle agreed CRs

Web Conf (Monday 2nd week) (13)

Including CRs that were in-principle agreed in RAN2#113bis-e (which do not count towards the Tdoc limit)

[R2-2105001](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105001.zip) 38.300 CR: removing ambiguous HO naming Nokia, Nokia Shanghai Bell CR Rel-16 38.300 16.5.0 0354 1 F NR\_Mob\_enh-Core [R2-2103337](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103337.zip)

[R2-2105002](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105002.zip) 36.300 CR: removing ambiguous HO naming Nokia, Nokia Shanghai Bell CR Rel-16 36.300 16.5.0 1336 1 F NR\_Mob\_enh-Core [R2-2103338](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103338.zip)

[R2-2105004](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105004.zip) Transmissions to the source that continue upon DAPS UL switching Nokia, Nokia Shanghai Bell CR Rel-16 38.300 16.5.0 0353 2 F NR\_Mob\_enh-Core [R2-2104336](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104336.zip)

[R2-2105016](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105016.zip) Transmission of InDeviceCoexistence, UEAssistanceInformation, MBMSInterestIndication, or SidelinkUEInformation after conditional handover MediaTek, Ericsson CR Rel-16 36.331 16.4.0 4644 1 F LTE\_feMob-Core, 5G\_V2X\_NRSL-Core [R2-2104327](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104327.zip)

[R2-2105017](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105017.zip) Transmission of UEAssistanceInformation or SidelinkUEInformationNR after conditional handover MediaTek, Ericsson, Sharp, LG Electronics, Qualcomm Incorporated CR Rel-16 38.331 16.4.1 2569 1 F LTE\_feMob-Core, 5G\_V2X\_NRSL-Core [R2-2104328](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104328.zip)

[R2-2105206](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105206.zip) Full configuration for CHO Google Inc. CR Rel-16 38.331 16.4.1 2565 2 F NR\_Mob\_enh-Core [R2-2104347](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104347.zip)

[R2-2105500](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105500.zip) CR on T312 handling in DAPS HO ZTE Corporation, Sanechips CR Rel-16 36.331 16.4.0 4627 1 F LTE\_feMob-Core [R2-2104075](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104075.zip)

[R2-2105501](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105501.zip) Miscellaneous corrections to 37.340 on mobility enhancement ZTE Corporation (Rapporteur), Sanechips, Ericsson CR Rel-16 37.340 16.5.0 0262 2 F NR\_Mob\_enh-Core [R2-2104339](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104339.zip)

[R2-2105502](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105502.zip) CR on configuration release in DAPS HO ZTE Corporation, Sanechips CR Rel-16 36.331 16.4.0 4628 2 F LTE\_feMob-Core [R2-2104350](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104350.zip)

[R2-2105608](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105608.zip) Clarification on RLF detection of source Pcell Huawei, HiSilicon CR Rel-16 36.300 16.5.0 1339 1 F LTE\_feMob-Core [R2-2104337](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104337.zip)

[R2-2105609](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105609.zip) Clarification on RLF detection of source Pcell Huawei, HiSilicon CR Rel-16 38.300 16.5.0 0368 1 F NR\_Mob\_enh-Core [R2-2104338](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104338.zip)

[R2-2106290](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106290.zip) CR on LCP of the source MAC entity Samsung Electronics Polska CR Rel-16 38.321 16.4.0 1117 - F NR\_Mob\_enh-Core

[R2-2106301](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106301.zip) CR on LCP of the source MAC entity Samsung Electronics Polska CR Rel-16 36.321 16.4.0 1525 - F NR\_Mob\_enh-Core

* Flagging required to re-discuss a CR, to be done until end of 1st week. After that, all non-flagged IPA CRs will be marked as agreed.
* CB 2nd week

### 6.4.1 CHO/CPC Corrections

Including incoming LSs related to CHO/CPC (if any).

This AI addresses NR CPC and corrections to NR/LTE CHO (i.e. both NR and LTE-specific corrections for CHO should be submitted here).

Including corrections to control and user plane specifications (e.g. 3x.331, 3x.323, 3x.321) for CHO and CPC.

Including CRs for conditional evaluation upon fallback to source cell after DAPS handover (postponed in RAN2#113bis-e, see [R2-2103046](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103046.zip) and [R2-2103047](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103047.zip)).

Including CR for procedural text for section on" Inability to comply with RRCReconfiguration": (postponed in RAN2#113bis-e, see [R2-2103331](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103331.zip)).

Including CR for applicable cases for failure recovery via CHO (postponed in RAN2#113bis-e, see [R2-2103114](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103114.zip) option 1).

Web Conf (Wednesday 1st week) or By Email (2+2+3)

CRs for applicable cases for failure recovery via CHO (postponed in RAN2#113bis-e, see [R2-2103114](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103114.zip) option 1).

[R2-2105325](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105325.zip) 36.331 Correction on Failure Recovery via CHO for Inter-RAT Handover Failure CATT CR Rel-16 36.331 16.4.0 4658 - F LTE\_feMob-Core

[R2-2105326](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105326.zip) 38.331 Correction on Failure Recovery via CHO for Inter-RAT Handover Failure CATT CR Rel-16 38.331 16.4.1 2616 - F NR\_Mob\_enh-Core

CR for procedural text for section on" Inability to comply with RRCReconfiguration": (postponed in RAN2#113bis-e, see [R2-2103331](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103331.zip)).

[R2-2105003](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105003.zip) 38.331 CR: Even further revised inability to comply with conditional reconfiguration Nokia, Nokia Shanghai Bell CR Rel-16 38.331 16.4.1 2507 1 F NR\_Mob\_enh-Core [R2-2103331](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103331.zip)

[R2-2106063](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106063.zip) Clarification regarding inability to comply with conditional reconfiguration Samsung Telecommunications CR Rel-16 38.331 16.4.1 2664 - F NR\_Mob\_enh-Core

Handling of CHO + DAPS co-existence:

[R2-2105888](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105888.zip) Conditional reconfigurations and DAPS handover Ericsson discussion NR\_Mob\_enh-Core

*Observation 1 It is clear in specifications that it is not possible to have a conditional reconfiguration that contains a DAPS HO configuration.*

*Observation 2 It is clear in 38.331 and 36.331 that it is possible to configure a DAPS HO when the UE has a conditional reconfiguration.*

*Observation 3 The specific meaning of the note “CHO cannot be configured simultaneously with DAPS handover” in 38.300 is not clear. 38.300 however indicates that CHO or CPC do not need to be released before configuring DAPS HO.*

*Observation 4 The UE stops evaluation of execution condition(s) for conditional reconfigurations, if any, when a handover execution (normal or conditional) is started. The stored conditional reconfigurations are removed at successful handover or, otherwise, as part of the RRC reestablishment procedure. They are however not removed in case the UE performs fallback to the source cell at a DAPS handover.*

*Observation 5 The handling of conditional reconfigurations at fallback to the source cell at a DAPS handover is not specified and therefore unclear. According to the current specifications, the UE will then not perform evaluation of the conditions for the conditional econfiguration that are included in VarConditionalReconfig in the source cell, which is not the intended behaviour.*

*Proposal 1 The UE should restart the evaluation of execution condition(s) for stored conditional reconfiguration(s), if any, in the procedure to perform fallback to the source cell during a DAPS HO. The CRs in [2] and [3] that capture this in 38.331 and 36.331, respectively, should therefore be agreed.*

*Proposal 2 If Proposal 1 is not agreed, the Text Proposals in section 3 should instead be included in 38.331, 36.331 and 38.300.*

CRs for conditional evaluation upon fallback to source cell after DAPS handover (postponed in RAN2#113bis-e, see [R2-2103046](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103046.zip) and [R2-2103047](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103047.zip)).

[R2-2105901](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105901.zip) Conditional evaluation upon fallback to source cell after DAPS handover Ericsson CR Rel-16 36.331 16.4.0 4613 1 F LTE\_feMob-Core [R2-2103046](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103046.zip)

[R2-2105903](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105903.zip) Conditional evaluation upon fallback to source cell after DAPS handover Ericsson CR Rel-16 38.331 16.4.1 2497 1 F NR\_Mob\_enh-Core [R2-2103047](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103047.zip)

Web Conf (Monday 2nd week) or Postponed (1)

Related to LS sent to RAN3 in RAN2#113bis-e:

[R2-2106153](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106153.zip) Discussion on CHO and SCG configuration Huawei, HiSilicon discussion Rel-16 NR\_Mob\_enh-Core

* CB 2nd week: Postponed unless RAN3 LS reply is received.

By Email [210] (1)

Timing of MAC reset for CHO:

[R2-2106154](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106154.zip) Discussion on MAC reset for CHO Huawei, HiSilicon discussion Rel-16 NR\_Mob\_enh-Core, LTE\_feMob-Core

Email discussions ([210])

* [AT114-e][210][MOB] LTE/NR mobility corrections (Huawei)

Scope:

* + - Discuss whether NR/LTE mobility marked for this discussion are seen agreeable.

 Intended outcome:

* + - Discussion summary in [R2-2106491](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106491.zip) (by email rapporteur).
		- Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 1st week Fri, UTC 0900
		- Initial deadline (for rapporteur summary): 2nd week Mon, UTC 1000
		- Deadline for CR finalization: 2nd week Wed, UTC 1000

Web Conf 2nd week (summary of [210])

[R2-2106491](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106491.zip) Summary of [AT114-e][210][MOB] LTE/NR mobility corrections (Huawei) Huawei discussion Rel-16 NR\_Mob\_enh-Core, LTE\_feMob-Core

Email discussions ([211], TBD)

* [AT114-e][211][MOB] LTE/NR CR finalization (NN)

Scope:

* + - Finalize CRs discussed online

 Intended outcome:

* + - Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 2nd week Tue, UTC 0900
		- Deadline for CR finalization: 2nd week Wed, UTC 0900

Withdrawn:

[R2-2105889](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105889.zip) Conditional evaluation upon fallback to source cell after DAPS handover Ericsson CR Rel-16 36.331 16.4.0 4667 - F LTE\_feMob-Core Withdrawn

[R2-2105890](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105890.zip) Conditional evaluation upon fallback to source cell after DAPS handover Ericsson CR Rel-16 38.331 16.4.1 2650 - F NR\_Mob\_enh-Core Withdrawn

### 6.4.2 DAPS handover Corrections

Including incoming LSs related to DAPS handover (if any).

This AI jointly addresses corrections to NR and LTE DAPS (i.e. both NR and LTE corrections for DAPS should be submitted here).

Including corrections to LTE/NR control and user plane specifications (e.g. 3x.331, 3x.323, 3x.321) for DAPS HO.

Including CR for clarifying which features can be configured together with DAPS (postponed in RAN2#113bis-e, see [R2-2104330](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104330.zip)).

Web Conf (Wednesday 1st week) or By Email (3)

Handling of CHO + DAPS co-existence:

[R2-2105606](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105606.zip) Clarification on non-coexistence of CHO+DAPS Huawei, HiSilicon, China Telecom discussion Rel-16 NR\_Mob\_enh-Core, LTE\_feMob-Core

*(moved from 6.4.3)*

*Proposal 1: RAN2 to confirm that there is no co-existing CHO and DAPS configurations in one UE.*

*Proposal 2: Clarify network releases CHO configuration before sending DAPS handover command to UE in TS 38.300 and TS 36.300.*

*Proposal 3: Clarify DAPS handover can be configured only when CHO is not configured in TS 38.331 and TS 36.331.*

Stage-2 CRs for DAPS inter-operability (postponed in RAN2#113bis-e):

[R2-2104934](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104934.zip) Reconfiguration during DAPS HO Ericsson, Nokia (Rapporteur) CR Rel-16 36.300 16.5.0 1341 - F LTE\_feMob-Core

[R2-2104935](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104935.zip) Reconfiguration during DAPS HO Ericsson, Nokia (Rapporteur) CR Rel-16 38.300 16.5.0 0370 - F NR\_Mob\_enh-Core

By Email [210] (1+2+2+4)

DAPS UL switching:

[R2-2105005](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105005.zip) Transmissions to the source that continue upon DAPS UL switching in LTE Nokia, Nokia Shanghai Bell CR Rel-16 36.300 16.5.0 1342 - F LTE\_feMob-Core

MAC establishment for DAPS:

[R2-2105207](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105207.zip) Correction to DAPS handover Google Inc. CR Rel-16 36.331 16.4.0 4655 - F LTE\_feMob-Core

[R2-2105208](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105208.zip) Correction to DAPS handover Google Inc. CR Rel-16 38.331 16.4.1 2608 - F NR\_Mob\_enh-Core

Bearer and UP handling:

[R2-2105504](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105504.zip) CR on non-DAPS DRB handling ZTE Corporation, Sanechips CR Rel-16 38.300 16.5.0 0376 - F NR\_Mob\_enh-Core

[R2-2105505](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105505.zip) CR on non-DAPS DRB handling ZTE Corporation, Sanechips CR Rel-16 36.300 16.5.0 1343 - F LTE\_feMob-Core

UE reconfiguration details for DAPS HO:

[R2-2105607](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105607.zip) Correction on reference signal reconfiguration for RLM Huawei, HiSilicon CR Rel-16 38.331 16.4.1 2633 - F NR\_Mob\_enh-Core

[R2-2106138](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106138.zip) Clarification on UE configuration at DAPS fallback Samsung CR Rel-16 38.331 16.4.1 2669 - F NR\_Mob\_enh-Core

[R2-2106139](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106139.zip) Clarification on UE configuration at DAPS fallback Samsung CR Rel-16 36.331 16.4.0 4675 - F NR\_Mob\_enh-Core

[R2-2106141](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106141.zip) Correction on headerCompression field for DAPS DRB Samsung CR Rel-16 36.331 16.4.0 4676 - F NR\_Mob\_enh-Core

### 6.4.3 Other corrections

Including incoming LSs related to LTE/NR mobility capabilities (if any). Corrections related to CHO/CPC/DAPS inter-operability with other features should be submitted to 6.1.4.3.

Including corrections to UE capability aspects of LTE/NR mobility WI (i.e. corrections to 3x.331 and 3x.306).

## 6.5 DC and CA enhancements

(LTE\_NR\_DC\_CA\_enh-Core; leading WG: RAN2; REL-16; started: Jun 18; Target Aug 20; WI RP-200791)

No documents should be submitted to 6.5. Please submit to 6.5.x

Editorial corrections should be taken up with the specification editor before submitting to avoid CR duplication. If this is not done, the contribution may not be treated.

Tdoc Limitation: 8 tdocs, See also tdoc limitation for Agenda Item 6

### 6.5.0 In-principle agreed CRs

Web Conf (Monday 2nd week) (6)

Including CRs that were in-principle agreed in RAN2#113bis-e (which do not count towards the Tdoc limit)

[R2-2105145](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105145.zip) CR on SCG release and suspend in EN-DC ZTE Corporation, Sanechips CR Rel-16 37.340 16.5.0 0257 2 F LTE\_NR\_DC\_CA\_enh-Core [R2-2104344](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104344.zip)

[R2-2105146](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105146.zip) CR on SCG release in EN-DC ZTE Corporation, Sanechips CR Rel-15 37.340 15.12.0 0263 1 F NR\_newRAT-Core [R2-2104345](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104345.zip)

[R2-2105147](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105147.zip) CR on SCG release in EN-DC ZTE Corporation, Sanechips CR Rel-16 37.340 16.5.0 0264 1 A NR\_newRAT-Core [R2-2104346](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104346.zip)

[R2-2106018](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106018.zip) Misc corrections for Rel-16 DCCA Ericsson CR Rel-16 38.331 16.4.1 2534 2 F LTE\_NR\_DC\_CA\_enh-Core [R2-2104342](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104342.zip)

[R2-2106019](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106019.zip) Misc corrections for Rel-16 DCCA Ericsson CR Rel-16 36.331 16.4.0 4622 2 F LTE\_NR\_DC\_CA\_enh-Core [R2-2104343](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104343.zip)

[R2-2106333](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106333.zip) Clarification on NR SCG configuration within RRC Resume MediaTek Inc. CR Rel-16 38.331 16.4.1 2543 1 F LTE\_NR\_DC\_CA\_enh-Core [R2-2104044](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104044.zip)

* Flagging required to re-discuss a CR, to be done until end of 1st week. After that, all non-flagged IPA CRs will be marked as agreed.

### 6.5.1 Corrections to Fast Scell activation and Early measurement reporting

Including corrections to TS38.331, 36.331, 38.306, 36.306 and 38.321 related to Fast SCell activation and Early measurement reporting.

By Email [220] (2)

UE capability corrections:

[R2-2105057](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105057.zip) Corrections on the capability of eutra-IdleInactiveMeasurements CATT CR Rel-16 36.306 16.4.0 1810 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2105058](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105058.zip) Corrections on the capability of direct SCG SCell activation CATT CR Rel-16 38.306 16.4.0 0576 - F LTE\_NR\_DC\_CA\_enh-Core

Email discussions ([220])

* [AT114-e][220][DCCA] Miscellaneous DCCA corrections (Ericsson)

Scope:

* + - Discuss corrections under R16 DCCA WI marked for this discussion to see which CRs could be agreeable.

 Intended outcome:

* + - Discussion summary in [R2-2106492](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106492.zip) (by email rapporteur).
		- Agreeable CRs (if any)

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Initial deadline (for company feedback): 1st week Fri, UTC 0900
		- Initial deadline (for rapporteur summary): 2nd week Mon, UTC 1000
		- Deadline for CR finalization: 2nd week Wed, UTC 1000

Web Conf 2nd week (summary of [220])

[R2-2106492](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106492.zip) Summary of [AT114-e][220][DCCA] Miscellaneous DCCA corrections (Ericsson) Ericsson discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

### 6.5.2 Other DCCA corrections

Including corrections to NR-NR DC, MCG SCell and SCG configuration with RRC resume, Fast MCG link recovery on all specifications.

Including outcome of [Post113bis-e][222][R16 DCCA] Cell grouping for NR-DC (Nokia)

Including discussion on NR-DC power control signalling (based on received RAN1 feedback)

Web Conf (Wednesday 1st week) (1+1)

LSs from other groups:

[R2-2104723](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104723.zip) Reply LS on Introduction of Cell Grouping UE capability for NR-DC (R4-2105333; contact: Qualcomm) RAN4 LS in Rel-16 LTE\_NR\_DC\_CA\_enh-Core To:RAN2 Cc:RAN1

* Noted (already handled in RAN2#113bis-e post-meeting email discussioon [222])

[R2-2104708](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104708.zip) Further Reply LS on power control for NR-DC (R1-2104018; contact: Apple, vivo) RAN1 LS in Rel-17 LTE\_NR\_DC\_CA\_enh-Core To:RAN4 Cc:RAN2

* Noted (handled together with input contributions)

Web Conf (Wednesday 1st week) (2+7)

Outcome of [Post113bis-e][222][R16 DCCA] Cell grouping for NR-DC (Nokia)

[R2-2105665](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105665.zip) Summary of of [Post113bis-e][222][R16 DCCA] Cell grouping for NR-DC (Nokia) Nokia, Nokia Shanghai Bell discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

*Observation 1: Generally band related capabilities are release independent and in case RAN4 introduces >5bands NR DC cases there is no way with endorsed CRs to support capability signaling for that*

*Proposal 1: No need for separate for intra-band NR-DC capability. If later needed, a capability can be added.*

*Proposal 2: Send LS to RAN4 about their concerns on PUCCH cell grouping approach and whether this means that FG 22-7 capability signaling does not work*

*Proposal 3: Ensure that agreeable CRs allow in release 16 to introduce possibility to support more than 5 bands NR DC cell grouping capability signaling.*

[R2-2105667](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105667.zip) NR DC Cell Grouping Nokia, Nokia Shanghai Bell discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

*Observation: Increasing number of bands in the endorsed CR style of signaling is not feasible*

*Observation: From signaling point of view it is feasible to support more than 5 bands with carrier type of signaling (i.e. one used for two PUCCH group capability signaling)*

*Observation: From signaling point of view it is feasible to support more than 5 bands with NW filtering type of signaling*

*Based on the paper it is proposed to realize more than 5 bands support for capability signaling either by PUCCH group style signaling of NW filtering approach*

*Proposal: It is proposed to discuss from RAN2 point of view how to realize more than 5 bands support for capability signaling in release 16*

[R2-2105666](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105666.zip) Draft LS to RAN4 on NR DC cell grouping Nokia, Nokia Shanghai Bell LS out Rel-16 LTE\_NR\_DC\_CA\_enh-Core To:RAN4 Cc:RAN1

Operator requirements:

[R2-2106337](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106337.zip) Views on NR-DC cell grouping UE capability SoftBank Corp. discussion Rel-16 LTE\_NR\_DC\_enh2-Core

Detailed proposals for NR-DC cell grouping: PUCCH-grouping style

[R2-2104918](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104918.zip) NR-DC cell grouping UE capability signalling Qualcomm Incorporated discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

*Proposal 1: Reuse the PUCCH grouping signalling for NR-DC cell grouping with the following logical replacements.*

*1. PUCCH primary group is replaced by MCG.*

*2. PUCCH secondary group is replaced by SCG.*

*3. PUCCH TX placement is replaced by spCell placement.*

*Proposal 2: Specify that the UE capability parameter spCellPlacement is disregarded by the network for NR-DC band combinations where the new NR-DC cell grouping UE capability is provided.*

*Proposal 3: Introduce NR-DC cell grouping signalling separately for synchronous and asynchronous NR-DC.*

Detailed proposals for NR-DC cell grouping: LTE-style signalling:

[R2-2105141](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105141.zip) Options for future-proof NR-DC cell-grouping signaling Apple Inc discussion

*Proposal 1: Endorse the current RAN2 NR-DC cell grouping CRs and future-proof NR-DC cell grouping capability signaling can be added as non-critical extensions which the UE reports only when the NW explicitly asks for >5 band and/or intra-band non-contiguous NR-DC with same band across CG.*

*Proposal 2: RAN2 to re-confirm that the UE can report a lower order CA combination with the intention of reporting a DC combination capability on this lower order CA combination.*

*Proposal 3: In future-proof NR-DC cell grouping signaling, as part of the NW filtering, the NW shall always provide the set of bands the NW intends to use in NR-DC.*

*Proposal 4: The NW can optionally provide the set of bands that are belong of a specific cell-group.*

*Proposal 5: In future-proof NR-DC cell grouping signaling, as part of the NW filtering, the NW shall provide the set of bands that NW intends to configure in asynchronous NR-DC and in synchronous NR-DC. The UE assumes that the NW does not support Sync NR-DC if the NW filter does not include any bands in a sync DC and that the NW does not support Async NR-DC if the NW filter does not include any bands in async DC.*

*Proposal 6: As part of NR-DC cell-grouping capabilities, the UE can signal the band relation to the NW (For eg: band X in a CG implies that band Y has to be in other CG, and/or band X and band Z have to be in the same CG, in a particular DC combination).*

*Proposal 7: The UE is allowed to reports the cell-grouping combinations it cannot support and inform the NW that it supports all cell-grouping combinations except for the reports ‘not-supported’ cell-grouping combinations.*

[R2-2105025](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105025.zip) Cell grouping for NR-DC Intel Corporation discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

[R2-2106062](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106062.zip) UE NR-DC cell grouping capability, future extensibility Samsung Telecommunications discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

Detailed proposals for NR-DC cell grouping: Network-requested filtering of NR-DC cell grouping:

[R2-2106017](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106017.zip) Cell grouping for NR-DC Ericsson discussion LTE\_NR\_DC\_CA\_enh-Core

* TBC: CRs will be progressed via email [221] after online session?

By Email [220] (3+4)

NR-DC power control signalling (based on received RAN1 feedback):

[R2-2106162](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106162.zip) Clarification on intra-FR2 NR-DC power control Huawei, HiSilicon discussion Rel-16 LTE\_NR\_DC\_CA\_enh

[R2-2106262](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106262.zip) Furthur discussion on FR2 NR-DC power control vivo discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

[R2-2106263](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106263.zip) Correction on FR2 NR-DC power control parameter vivo, MediaTek Inc CR Rel-16 38.331 16.4.1 2684 - F LTE\_NR\_DC\_CA\_enh-Core

Miscellaneous corrections:

[R2-2105322](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105322.zip) Correction on pdsch-HARQ-ACK-Codebook-secondaryPUCCHgroup 38 331 CATT CR Rel-16 38.331 16.4.1 2613 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2106065](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106065.zip) Clarification on coordination of UE measurement capabilities for CHO and MDT in MRDC Samsung Telecommunications CR Rel-16 38.331 16.4.1 2665 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2104957](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104957.zip) Clarification reconfigurationWithSync IE reception due to fast MCG recovery OPPO CR Rel-16 38.331 16.4.1 2595 - F LTE\_NR\_DC\_CA\_enh-Core

[R2-2106022](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106022.zip) Correction on field condition for MCG recovery Ericsson CR Rel-16 38.331 16.4.1 2663 - F LTE\_NR\_DC\_CA\_enh-Core

Email discussions ([221]) (TBD)

* [AT114-e][221][DCCA] Cell grouping CR (NN)

Scope:

* + - Discuss CRs for R16 NR-DC cell grouping based on online agreements.

 Intended outcome:

* + - Discussion summary in [R2-2106493](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106493.zip) (by email rapporteur).
		- Agreeable CRs. Intermediate status of discussion will be checked during 2nd week Monday session.

 Deadline for providing comments, for rapporteur inputs, conclusions and CR finalization:

* + - Deadline for CR finalization: 2nd week Wed, UTC 1000

Web Conf 2nd week (summary of [221]) - if needed

[R2-2106493](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106493.zip) Summary of [AT114-e][221][ DCCA] Cell grouping CR (NN) NN discussion Rel-16 LTE\_NR\_DC\_CA\_enh-Core

# 7 Rel-16 EUTRA Work Items

Essential corrections

## 7.4 LTE Other WIs

(LTE\_terr\_bcast-Core, LTE\_DL\_MIMO\_EE-Core, LTE\_high\_speed\_enh2-Core; LTE TEI16 Non-positioning)

(Documents relating to Rel-16 LTE but for which there is no existing RAN WI/SI, e.g. LSs from CT/SA requesting RAN2 action)

Purely editorial corrections should be taken up with the specification editor before submitting to avoid CR duplication. If this is not done, the contribution may not be treated.

### 7.4.0 In-principle agreed CRs

Web Conf (Monday 2nd week) (1)

Including CRs that were in-principle agreed in RAN2#113bis-e

[R2-2105473](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105473.zip) Clarification to Fallback band combination definition Nokia, Nokia Shanghai Bell CR Rel-16 36.306 16.4.0 1782 5 F TEI16 [R2-2104329](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104329.zip)

* Flagging required to re-discuss a CR, to be done until end of 1st week. After that, all non-flagged IPA CRs will be marked as agreed.
* CB 2nd week

### 7.4.1 Other

Including TEI16 corrections and issues that do not fit under any other topic.

# 8 Rel-17 NR Work Items

## 8.2 MR DC/CA further enhancements

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

Time budget: 0.5 TU

Tdoc Limitation: 3 tdocs

Email max expectation: 3 threads

No documents should be submitted to 8.2. Please submit to.8.2.x

### 8.2.1 Organizational, Requirements and Scope

Including LSs and any rapporteur inputs (which do not count against Tdoc limits).

Web Conf (Monday 2nd week)

[R2-2105062](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105062.zip) TS 37.340 CR for CPA and inter-SN CPC CATT draftCR Rel-17 37.340 16.5.0 B LTE\_NR\_DC\_enh2-Core

* [To be] Endorsed as running CR?

Web Conf (Wednesday 1st week if time allows, otherwise Monday 2nd week)

[R2-2105986](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105986.zip) Making progress on further MRDC enhancements Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

*UE behaviour upon SCG activation indication (Two candidate solutions)*

*1. Initiate RACH and then resume L1/L2 activities*

*2. Directly start all L1/L2 activities (listen to PDCCH, transmit SR/BSR, etc.)*

***Way forward could be:***

*1. work on option 1 details, keep option 2 FFS*

*2. agree to support option 2 and select the method how to use it or not:*

*a.based on UE evaluation*

*›upon reception of the activation indication without reconfigurationWithSyncwhile TA timer is running, the UE decides whether to resume L1/L2 operation without RACH*

*›FFS if any UE requirements are specified to ensure beams are good enough*

*›FFS RACH resources if the UE decides to use RACH*

*b.based on network indication*

*› the UE shall resume L1/L2 operation without RACH if instructed to do so in the activation indication*

*› FFS if any optimisation to help the network decide which option to chose*

*3. other?*

***Rapporteur suggestion***

*deprioritise option 2 if 2a or 2b (possibly reworded) cannot be agreed at next meeting*

*UE-triggered SCG activation Cases*

*-This is needed for uplink data arrival on SCG bearers*

*-There are proposals to use it for other cases, but this is debatable*

*Two candidate solutions*

*1. Indication to the MCG, then MN initiates activation*

*2. Direct access via the SCG*

***Making progress***

*-Agree to support UE-triggered SCG activation for UL data arrival on an SCG bearer and, if option 2 is agreeable, fast MCG link recovery, FFS other triggers*

*-Agree option(s) that have significant support for UL data arrival on an SCG bearer and then work on details*

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

No documents should be submitted to 8.2.2. Please submit to.8.2.2.x

#### 8.2.2.1 Deactivation of SCG

This agenda item will not be treated in this meeting.

Including discussion on how MN/SN request for SCG deactivation works and whether the request can be rejected.

[R2-2105279](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105279.zip) Discussion on deactivation of SCG China Telecom Corporation Ltd. discussion

[R2-2105453](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105453.zip) UE initiated SCG deactivation NTT DOCOMO INC. discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2105797](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105797.zip) Activation and Deactivation of SCG InterDigital discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106039](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106039.zip) Comparison of SCG deactivation solutions Convida Wireless other Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106106](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106106.zip) Deactivation of SCG LG Electronics discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106140](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106140.zip) DC power sharing for deactivated SCG Samsung discussion Rel-17 LTE\_NR\_DC\_enh2-Core

#### 8.2.2.2 UE measurements and reporting in deactivated SCG

This agenda item will be deprioritized in this meeting.

Including discussion on how/whether RRM/RLM/BFD measurements are done for deactivated SCG

Including discussion on TAT timer handling for deactivated SCG

Including discussion on RRM/CSI/BM measurement reporting for deactivated SCG

[R2-2104941](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104941.zip) Summary of AI 8.2.2.2 UE measurements and reporting in deactivated SCG OPPO discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2104316](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104316.zip)

[R2-2104942](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104942.zip) UE measurements and reporting in deactivated SCG OPPO discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2102897](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2102897.zip)

[R2-2104944](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104944.zip) Considerations on Considerations on UE measurements and reporting in deactivated SCG KDDI Corporation discussion

[R2-2105011](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105011.zip) RRM and RLM/RLF handling for deactivated SCG Futurewei discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105059](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105059.zip) UE Behavior in Deactivated SCG CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103107](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103107.zip)

[R2-2105064](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105064.zip) Mobility for deactivated SCG NTT DOCOMO INC. discussion Rel-17

[R2-2105139](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105139.zip) TA Maintenance and other UE actions in SCG deactivated state Apple Inc discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103885](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103885.zip)

[R2-2105158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105158.zip) Discussion on UE behaviour when SCG is deactivated ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103036](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103036.zip)

[R2-2105441](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105441.zip) UE behaviour in deactivated SCG NTT DOCOMO INC. discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2105628](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105628.zip) UE behavior when SCG is deactivated vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105791](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105791.zip) Further considerations on SCG deactivation NEC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105798](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105798.zip) Measurements and maintenance of UL synch with a deactivated SCG InterDigital discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105829](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105829.zip) UE behaviour in deactivated SCG Lenovo, Motorola Mobility discussion Rel-17

[R2-2105987](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105987.zip) UE behaviour while the SCG is deactivated Huawei, HiSilicon other Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106023](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106023.zip) Efficient SCG (de)activation Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2106107](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106107.zip) UE Measurement Aspects in SCG Deactivation LG Electronics discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103569](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103569.zip)

[R2-2106287](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106287.zip) Discussion for UE behaviour in deactivated SCG SHARP Corporation discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2104124](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104124.zip)

[R2-2106336](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106336.zip) UE behavior during SCG deactivation MediaTek Inc. discussion LTE\_NR\_DC\_enh2-Core [R2-2104160](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104160.zip)

#### 8.2.2.3 Activation of deactivated SCG

This agenda item will not be treated in this meeting.

Including discussion on SCG activation details: How does MN/SN/UE request SCG activation and can the request be rejected? Is usage of random access at SCG activation UE or network decision?

[R2-2105010](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105010.zip) Discussion on random access in SCG fast activation Futurewei discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103153](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103153.zip)

[R2-2105140](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105140.zip) UE initiation of SCG re-activation request Apple Inc discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103886](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103886.zip)

[R2-2105440](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105440.zip) Activation of deactivated SCG NTT DOCOMO INC. discussion Rel-17 LTE\_NR\_DC\_enh2-Core Late

[R2-2105548](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105548.zip) Discussion on UE behaviour when SCG is deactivated Spreadtrum Communications discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106058](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106058.zip) Remaining aspects concerning SCG activation procedure Samsung Telecommunications discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106108](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106108.zip) Activation of SCG LG Electronics discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103570](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103570.zip)

[R2-2106258](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106258.zip) Discussions on activation of deactivated SCG CMCC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106312](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106312.zip) Discussion on SCG activation SHARP Corporation discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2104170](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104170.zip)

#### 8.2.2.4 Other aspects of SCG activation/deactivation

This agenda item will be deprioritized during this meeting .

[R2-2104943](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104943.zip) Discussion on TRS activation for fast SCell activation OPPO discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2106259](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106259.zip) Considerations for fast MCG link recovery with deactivated SCG CMCC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

### 8.2.3 Conditional PSCell change / addition

No documents should be submitted to 8.2.3. Please submit to.8.2.3.x

#### 8.2.3.1 CPAC procedures from network perspective

Including discussion on CPAC configuration and execution details and Stage-2 signalling flows.

Including discussion on the design of inter-node messages (to answer RAN3 LS questions).

Including discussion on whether T-SN can add PSCell not proposed by S-SN.

[R2-2106059](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106059.zip) CPAC stage 2 flow, progressing remaining issues Samsung Telecommunications discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105988](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105988.zip) Inter-node message design (with draft reply LS to RAN3) Huawei, HiSilicon other Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2104998](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104998.zip) Discussion on RAN3 LS on CPAC Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105989](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105989.zip) Source SN configuration update at or after SN-initiated CPC Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

* Revised in [R2-2106436](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106436.zip)

[R2-2106436](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106436.zip) Source SN configuration update at or after SN-initiated CPC Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2105989](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105989.zip) Late

[R2-2104996](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104996.zip) SN-initiated Conditional PSCell Change – clarifications Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2104997](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104997.zip) On CPAC Procedures and Further Functionalities Nokia, Nokia Shanghai Bell discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105012](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105012.zip) Discussion on the procedure of SN initiated CPC Futurewei discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2103155](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103155.zip)

[R2-2105060](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105060.zip) Discussion on the remaining issues for SN initiated inter-SN CPC CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105061](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105061.zip) Discussion on the inter-node message design CATT discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105202](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105202.zip) Remaining issues for source SN configuration update China Telecommunication discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105260](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105260.zip) CPAC procedures from network perspective Qualcomm Incorporated discussion Rel-17

[R2-2105506](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105506.zip) Further consideration on CPAC ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105792](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105792.zip) Signaling aspects for SN-initiated CPC NEC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105830](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105830.zip) Discussion on CPAC procedures Lenovo, Motorola Mobility discussion Rel-17

[R2-2105897](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105897.zip) Conditional PSCell Addition Change Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2106436](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106436.zip) Source SN configuration update at or after SN-initiated CPC Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2105989](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105989.zip) Late

[R2-2105519](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105519.zip) Procedures in CPAC and conventional PSCell change ITRI discussion LTE\_NR\_DC\_enh2-Core [R2-2103354](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103354.zip)

#### 8.2.3.2 CPAC procedures from UE perspective

Including discussion on UE measurements for CPAC purposes.

Including discussion on signalling towards UE.

[R2-2104914](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104914.zip) Discussion on the configuration of CPAC vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105111](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105111.zip) Details in conditional PSCell change and addition Apple discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105261](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105261.zip) CPAC procedures from UE perspective Qualcomm Incorporated discussion Rel-17

[R2-2105507](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105507.zip) Further discussion on CPAC ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105898](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105898.zip) UE procedures and signalling for CPAC Ericsson discussion LTE\_NR\_DC\_enh2-Core

[R2-2105990](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105990.zip) Uu RRC message design in CPAC Huawei, HiSilicon discussion Rel-17 LTE\_NR\_DC\_enh2-Core

#### 8.2.3.3 Other CPAC aspects

This agenda item may be deprioritized in this meeting.

Including discussion on CPAC failure handling.

Including discussion on CPAC co-existence with CHO.

[R2-2104915](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104915.zip) Discussion on CAPC simultaneous with CHO vivo discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105262](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105262.zip) Other CPAC aspects Qualcomm Incorporated discussion Rel-17

[R2-2105444](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105444.zip) Failure handling of Conditional PSCell Addition DENSO CORPORATION discussion Rel-17 LTE\_NR\_DC\_enh2-Core [R2-2102950](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2102950.zip)

[R2-2105518](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105518.zip) SCG RLF recovery in case CPC is configured ITRI discussion LTE\_NR\_DC\_enh2-Core [R2-2103355](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103355.zip)

[R2-2105799](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105799.zip) Coexistence of CHO and CPC InterDigital, Nokia, Nokia Shanghai Bell, ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_DC\_enh2-Core

[R2-2105831](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105831.zip) Miscellaneous issues on CPAC Lenovo, Motorola Mobility discussion Rel-17

[R2-2106260](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106260.zip) Combination of CPAC and CHO CMCC discussion Rel-17 LTE\_NR\_DC\_enh2-Core

## 8.3 Multi SIM

(LTE\_NR\_MUSIM-Core; leading WG: RAN2; REL-17; WID: RP-210316)

Time budget: 0.5 TU

Tdoc Limitation: 3 tdocs

Email max expectation: 3 threads

### 8.3.1 Organizational, Requirements and Scope

Including LSs and any rapporteur input.

### 8.3.2 Paging collision avoidance

Including discussion on whether UE assistance information is needed for paging collision avoidance

Including discussion on whether RAN2 can make the UE behaviour predictable for paging collision avoidance

[R2-2105258](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105258.zip) Options for paging collision avoidance Qualcomm Incorporated discussion

[R2-2106343](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106343.zip) Paging collision avoidance for MUSIM device MediaTek Inc. discussion LTE\_NR\_MUSIM-Core [R2-2104151](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104151.zip)

[R2-2104764](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104764.zip) Paging Collision Avoidance OPPO discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2104970](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104970.zip) Paging collision avoidance for MUSIM device Asia Pacific Telecom, FGI discussion

[R2-2104991](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104991.zip) On Paging Collision Avoidance Solution Samsung discussion

[R2-2105075](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105075.zip) Definition and solution for paging collision, RRC Inactive, SI change Lenovo, Motorola Mobility discussion LTE\_NR\_MUSIM-Core

[R2-2105084](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105084.zip) MUSIM Page Collision Avoidance Apple discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105164](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105164.zip) Consideration on the Paging Collision ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105194](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105194.zip) Further Consideration on Paging Collision Avoidance CATT discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105227](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105227.zip) RAN Impacts for paging collision avoidance solutions for Multi-SIM Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2105269](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105269.zip) Paging Collision avoidance vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105374](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105374.zip) UE indication of paging collision for Multi-SIM ASUSTeK discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105682](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105682.zip) Discussion on paging collision avoidance in Multi-SIM Sony discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105899](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105899.zip) Paging Collision Avoidance for Multi-SIM Charter Communications, Inc discussion

[R2-2105917](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105917.zip) Paging Collision Avoidance Open Issues Huawei, HiSilicon discussion Rel-17

[R2-2105978](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105978.zip) Paging collision avoidance Ericsson discussion

[R2-2106101](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106101.zip) 36.304 change for SA2 agreed NAS based IMSI offset signaling in EPS Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2106102](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106102.zip) 5G-S-TMSI re-assignment is “enough” for paging collision avoidance in 5GS Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2106109](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106109.zip) Considerations on Paging Collision LG Electronics discussion Rel-17 LTE\_NR\_MUSIM-Core [R2-2103572](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103572.zip)

[R2-2106398](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106398.zip) Discussion of the paging collision problem in 5GS Xiaomi Communications discussion

### 8.3.3 UE notification on network switching for multi-SIM

Including discussion on whether we use AS or NAS signalling for the network switching for MUSIM purpose

Including discussion on whether we can have one unified mechanism for all network switching cases (and e.g. which messages are required in which case)

[R2-2104765](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104765.zip) UE Notification on Network Switching for Multi-SIM OPPO discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105085](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105085.zip) MUSIM Network Switching Apple discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105086](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105086.zip) MUSIM Band Conflict and RRC Processing Delay Requirements Apple discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105165](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105165.zip) Consideration on the Switching Notification Procedure ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105195](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105195.zip) Further Consideration on Network Switching CATT discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105196](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105196.zip) Analysis on UE switching without leaving RRC\_CONNECTED state China Telecommunications discussion

[R2-2105201](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105201.zip) Network switching consideration of Multi-SIM China Telecommunication discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105226](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105226.zip) Scenarios and Requirements for switching notification procedure Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2105257](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105257.zip) Network switching procedures for Multi-SIM Qualcomm Incorporated discussion

[R2-2105270](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105270.zip) Open Issues on Switching Notification vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105375](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105375.zip) MUSIM Release Assistance Info for network switching ASUSTeK discussion Rel-17 LTE\_NR\_MUSIM-Core [R2-2103452](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103452.zip)

[R2-2105437](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105437.zip) Open issues on network switching for Multi-USIM devices Samsung Electronics Co., Ltd discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105442](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105442.zip) Signalling design on short time switching procedure DENSO CORPORATION discussion Rel-17 LTE\_NR\_MUSIM-Core [R2-2102940](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2102940.zip)

[R2-2105445](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105445.zip) Procedures for MSIM UE notification on network switching Futurewei Technologies discussion [R2-2103957](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103957.zip)

[R2-2105449](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105449.zip) UE notification procedure for short time switching NEC discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105450](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105450.zip) Open issues on network switching procedures DENSO CORPORATION discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105683](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105683.zip) Discussion on Busy Indication in Inactive State Sony discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105684](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105684.zip) Discussion on Leaving in MultiSIM Sony discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105719](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105719.zip) On coordinated switch from NW for MUSIM device Huawei, HiSilicon discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105823](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105823.zip) Switching notification and busy indication Lenovo, Motorola Mobility discussion Rel-17

[R2-2105900](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105900.zip) Network Switching Solutions for Multi-SIM Charter Communications, Inc discussion

[R2-2105977](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105977.zip) Discussion on switching mechanisms for a Multi-USIM device Ericsson discussion

[R2-2106110](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106110.zip) Considerations on SIM Swithcing LG Electronics discussion Rel-17 LTE\_NR\_MUSIM-Core [R2-2103573](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103573.zip)

[R2-2106212](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106212.zip) RRC based Switching Notification for leaving RRC\_CONNECTED Sharp discussion

[R2-2106215](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106215.zip) RNAU Handling in MUSIM Sharp discussion

[R2-2106351](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106351.zip) Network switching behavior for MUSIM device MediaTek Inc. discussion LTE\_NR\_MUSIM-Core [R2-2104154](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104154.zip)

[R2-2106399](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106399.zip) Discussion of the UE notification on network switching for multi-SIM Xiaomi Communications discussion

### 8.3.4 Paging with service indication

This agenda item may be deprioritized in this meeting.

Including details of the paging cause value support and, if necessary, discussion on additional feedback to SA2

Including

[R2-2104766](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104766.zip) Paging with Service Indication OPPO discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105163](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105163.zip) Further analysis on introduction of paging cause China Telecommunications discussion Rel-17

[R2-2105166](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105166.zip) Consideration on the Service Indication ZTE Corporation, Sanechips discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105228](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105228.zip) On Service type indication in Paging for EPS And RAN impacts of NAS-BUSY-Indication for RRC-INACTIVE Nokia, Nokia Shanghai Bells discussion Rel-17

[R2-2105259](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105259.zip) Paging Prioritization for MUSIM Qualcomm Incorporated discussion

[R2-2105271](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105271.zip) Including Paging Cause in Paging Message vivo discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105420](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105420.zip) Discussion on support of paging cause for Multi-USIM devices Samsung Electronics Co., Ltd discussion LTE\_NR\_MUSIM-Core

[R2-2105451](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105451.zip) Discussion on paging service indication for MUSIM Futurewei Technologies discussion [R2-2103958](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103958.zip)

[R2-2105541](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105541.zip) Discussion on the transmission of paging cause Spreadtrum Communications discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105542](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105542.zip) Supporting of Paging Cause Solution detection Spreadtrum Communications discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2105921](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105921.zip) Discussion on the paging with service indication Huawei, HiSilicon discussion Rel-17

[R2-2105979](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105979.zip) Introduction of a Paging cause indication Ericsson discussion

[R2-2106103](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106103.zip) Solution analysis for supporting Multi-SIM paging cause Intel Corporation discussion Rel-17 LTE\_NR\_MUSIM-Core

[R2-2106111](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106111.zip) Support of Paging Cause LG Electronics discussion Rel-17 LTE\_NR\_MUSIM-Core [R2-2103574](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103574.zip)

[R2-2106353](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106353.zip) Paging with service indication MediaTek Inc. discussion LTE\_NR\_MUSIM-Core [R2-2104158](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104158.zip)

[R2-2106401](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106401.zip) Detailed methods of the paging cause support for MUSIM Xiaomi Communications discussion

## 8.8 RAN slicing

(NR\_Slice -Core; leading WG: RAN2; REL-17; WID: RP-210912)

Time budget: 0.5 TU

Tdoc Limitation: 2 tdocs

Email max expectation: 2 threads

### 8.8.1 Organizational

Rapporteur input

Including discussion on whether SMBR enforcement can impact SA2 work (postponed in RAN2#113bis-e, see [R2-2103647](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2103647.zip)) - 1 Tdoc per company allowed (does not count against Tdoc limit)

Web Conf (Thursday 1st week) (6)

SMBR enforcement:

[R2-2105942](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105942.zip) SMBR enforcement in RAN Ericsson discussion Rel-17 NR\_slice-Core

[R2-2106418](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106418.zip) SMBR enforcement in RAN Intel Corporation discussion Rel-17 NR\_slice-Core

[R2-2105239](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105239.zip) Discussion on Uplink SMBR enforcement Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

[R2-2106155](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106155.zip) Discussion on SMBR enforcement Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2106223](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106223.zip) Discussion on SMBR enforcement in RAN CMCC discussion Rel-17 NR\_slice

[R2-2106374](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106374.zip) UL SMBR enforcement Samsung discussion Rel-17

Withdrawn:

[R2-2106373](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106373.zip) UL SMBR enforcement Samsung discussion Rel-17 Withdrawn

[R2-2104744](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104744.zip) Discussion on SMBR enforcement Qualcomm Incorporated discussion Rel-17 NR\_slice-Core Withdrawn

[R2-2104743](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104743.zip) Draft LS to SA2 on slice grouping and slice priority Qualcomm Incorporated LS out Rel-17 NR\_slice To:SA2 Withdrawn

### 8.8.2 Cell reselection

As 1st priority, including details of slice availability in terms of Slice grouping and frequency priority information for broadcast and RRC Release message, usage of “intended slice” (FFS whether we use this term in specification), UE prioritisation of slice when there is more than one intended slice and how UE determines frequency priority for inter-frequency cell reselection based on these.

As 2nd priority, including details of slice based reselection for MO, different RSRP/RSRQ thresholds for inter and intra-frequency slice based cell reselection, need for Validity area in RRC Release

[R2-2104740](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104740.zip) Further discussion on slice specific cell reselection Qualcomm Incorporated discussion Rel-17 NR\_slice-Core

[R2-2104782](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104782.zip) Considerations on slice based cell reselection Beijing Xiaomi Software Tech discussion Rel-17

[R2-2104791](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104791.zip) Discussion on slice aware cell reselection ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

[R2-2104873](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104873.zip) Frequency prioritization for slice specific cell (re)selection Intel Corporation discussion Rel-17 NR\_slice-Core

[R2-2105109](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105109.zip) Discussion on slice based cell reselection Apple discussion Rel-17 DUMMY

[R2-2105203](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105203.zip) Discussion on frequency priority for inter-frequency cell reselection China Telecommunication discussion Rel-17

[R2-2105212](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105212.zip) Further discussion on slice-based cell reselection Lenovo, Motorola Mobility discussion Rel-17 NR\_slice-Core

[R2-2105240](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105240.zip) Slice specific cell reselection Nokia, Nokia Shanghai Bell discussion Rel-17 NR\_slice-Core

[R2-2105331](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105331.zip) Discussion on slice-based reselection vivo discussion Rel-17 NR\_slice-Core

[R2-2105438](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105438.zip) Discussion on slice based cell reselection Samsung Electronics Co., Ltd discussion Rel-17 NR\_slice-Core

[R2-2105533](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105533.zip) Discussion on slice based cell reselection Spreadtrum Communications discussion Rel-17

[R2-2105568](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105568.zip) Consideration on slice-specific cell reselection OPPO discussion Rel-17 NR\_slice-Core

[R2-2105631](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105631.zip) Cell (re)selection for RAN slicing Asia Pacific Telecom, FGI discussion

[R2-2105697](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105697.zip) Slice based Cell Reselection and intended slice Sony discussion Rel-17 NR\_slice-Core

[R2-2105738](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105738.zip) Considerations on contents of slice related cell selection info KDDI Corporation discussion Late

[R2-2105880](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105880.zip) Discussion on slice aware cell reselection LG Electronics UK discussion Rel-17

[R2-2105943](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105943.zip) Cell re-selection enhancements for slicing Ericsson discussion Rel-17 NR\_slice-Core

[R2-2106013](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106013.zip) Slice-based cell/frequency prioritization NEC Telecom MODUS Ltd. discussion

[R2-2106087](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106087.zip) Consideration on slice-based cell reselection SHARP Corporation discussion Rel-17

[R2-2106156](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106156.zip) Discussion on slice based cell reselection under network control Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2106175](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106175.zip) Discussion on Slice-based Cell Reselection CATT discussion NR\_slice-Core

[R2-2106224](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106224.zip) Discussion on slice based cell reselection CMCC discussion Rel-17 NR\_slice

Withdrawn:

[R2-2105630](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105630.zip) Cell (re)selection for RAN slicing FGI discussion Withdrawn

### 8.8.3 RACH

Including discussion slice specific CBRA RACH for IDLE and INACTIVE mode. Slice-specific CBRA RACH for CONNECTED mode is deprioritized and will not be treated in this meeting.

Including discussion on how to resolve prioritization parameter collision with MPS/MCS: Should we consider UE-based solution or NW-based solution? both

Configuration of separated PRACH configuration (e.g., transmission occasions of time-frequency domain and preambles) for slice or slice group. RACH parameters prioritization (e.g., scalingFactorBI and powerRampingStepHighPriority) for slice or slice group. Determine how this works with existing functionality.

NOTE: Since RACH partitioning potentially impacts multiple WIs (RAN slicing, RedCap, Small Data Transmission, CovEnh),focus should be on understanding on the requirements for the RACH partitioning for RAN slicing to allow for common Rel-17 design (see AI 8.18).

[R2-2104741](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104741.zip) Further discussion on slice specific RACH Qualcomm Incorporated discussion Rel-17 NR\_slice-Core

[R2-2104789](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104789.zip) Considerations on slice based RACH configuration Beijing Xiaomi Software Tech discussion Rel-17

[R2-2104792](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104792.zip) Slice specific RACH resources and RACH prioritization ZTE corporation, Sanechips discussion Rel-17 NR\_slice-Core

[R2-2104874](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104874.zip) Further considerations of slice based RACH Intel Corporation discussion Rel-17 NR\_slice-Core

[R2-2105110](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105110.zip) Discussion on slice based RACH Apple discussion Rel-17 DUMMY

[R2-2105213](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105213.zip) Further discussion on slice-based PRACH configuration Lenovo, Motorola Mobility discussion Rel-17 NR\_slice-Core

[R2-2105332](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105332.zip) Discussion on slice-based RACH configuration vivo discussion Rel-17 NR\_slice-Core

[R2-2105345](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105345.zip) Slice specific RACH configuration Samsung discussion Rel-17 NR\_slice-Core

[R2-2105475](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105475.zip) Slice-specific RACH prioritisation Nokia, Nokia Shanghai Bell discussion Rel-17 FS\_NR\_slice

[R2-2105534](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105534.zip) Consideration on slice based RACH configuration Spreadtrum Communications discussion Rel-17

[R2-2105569](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105569.zip) Consideration on slice-specific RACH OPPO discussion Rel-17 NR\_slice-Core

[R2-2106014](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106014.zip) RAN Slicing remaining RACH issues NEC Telecom MODUS Ltd. discussion

[R2-2106157](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106157.zip) Discussion on slice based RACH configuration Huawei, HiSilicon discussion Rel-17 NR\_slice-Core

[R2-2106184](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106184.zip) Analysis on slice based RACH configuration CATT discussion NR\_slice-Core

[R2-2106225](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106225.zip) Discussion on slice based RACH configuration CMCC discussion Rel-17 NR\_slice

[R2-2105944](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105944.zip) RACH for RAN slicing enhancement Ericsson discussion Rel-17 NR\_slice-Core

*(moved from 8.8.2)*

[R2-2106375](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106375.zip) Discussion on slice-specific RACH operation LG electronics discussion Rel-17 NR\_slice-Core Late

# 9 Rel-17 EUTRA Work Items

## 9.3 EUTRA R17 Other

Time budget: 0 TU

Tdoc Limitation: No limitation but the AI may be entirely deprioritized depending on available time.

Email max expectation: 1 thread

Including discussion on whether there needs to be LS to SA3 for RAN2 actions if user location tracking attack based on GSMA LS [R2-2100003](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2100003.zip).

No TEI17 documents will be handled in this meeting.

Web Conf (Monday 2nd week) (1+1+2)

[R2-2104705](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2104705.zip) User location identification from Carrier Aggregation secondary cell activation messages (FSAG Doc 88\_009) GSMA LS in To:SA3, RAN2

* Noted (already handled last time)

Discussion on SLIC - focus is on what/whether to reply to other groups:

[R2-2105268](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105268.zip) Discussion on Stealthy Location Identification Attack. vivo discussion

Draft LS to GSMA (should go via RAN/SA instead of RAN2 sending the reply directly):

[R2-2105039](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105039.zip) Draft LS on SLIC attack Huawei, HiSilicon discussion Rel-17 NR\_pos\_enh-Core

[R2-2105263](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105263.zip) [Draft] LS reply on Stealthy Location Identification Attack vivo LS out To:GSMA

Not treated (TEI17 will be discussed in RAN2#115e):

[R2-2106144](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106144.zip) Discussion on event triggered logged MDT for LTE Huawei, HiSilicon discussion Rel-17 TEI17

[R2-2106145](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106145.zip) CR to 36.306 on event triggered logged MDT for LTE Huawei, HiSilicon CR Rel-17 36.306 16.4.0 1817 - B TEI17

[R2-2106146](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106146.zip) CR to 36.331 on event triggered logged MDT for LTE Huawei, HiSilicon CR Rel-17 36.331 16.4.0 4677 - B TEI17

[R2-2106147](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106147.zip) CR to 37.320 on event triggered logged MDT for LTE Huawei, HiSilicon CR Rel-17 37.320 16.4.0 0109 - B TEI17

[R2-2106148](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2106148.zip) CR to 36.304 on event triggered logged MDT for LTE Huawei, HiSilicon CR Rel-17 36.304 16.3.0 0827 - B TEI17

## 9.4 NR and EUTRA Inclusive language

Time budget: N/A

CRs were endorsed/agreed-in-principle at R2#112-e. Final approval is expected when R17 TSes are to be created and at that point CRs need to be updated towards latest TS version and submitted again. Meanwhile this AI can be used to cover missing part, if any, and for correction/modification of the endorsed/agreed-in-principle CRs e.g. for inter-group consistency, inter-group review etc.

Web Conf (Monday 2nd week) (1)

Terminology of inclusive language:

[R2-2105934](https://www.3gpp.org/ftp/TSG_RAN/WG2_RL2/TSGR2_114-e/Docs/R2-2105934.zip) On the use of the term exclude-list Ericsson discussion Rel-17