3GPP TSG-RAN WG2 Meeting #123bis R2-2311276

Xiamen, China, October 9th – 13th, 2023

Agenda Item: 8.6

Source: Session chair (CMCC)

Title: Report from SON/MDT session

Document for: Approval

**Organizational:**

1. LSs – contact companies should flag LSs that need presenting. Otherwise we will directly note them
2. Running CRs will be endorsed to be used as baseline and moved to email discussion. Further agreements will be captured on that baseline CR.
3. Only Email discussions and summary discussions will be treated during e-meetings (indicated clearly in the meeting notes)
4. All organization emails and notes will be shared over the following email discussion throughout the two meeting weeks:

* [AT123bis][800][SON/MDT] Organizational Hu

Scope:

* + - Share plans for the meetings and list of ongoing email discussions for the sessions related to SON/MDT
    - Share meetings notes and agreements for review and endorsement

650-699

## 5.4 SON MDT support for NR

(NR\_SON\_MDT-Core; leading WG: RAN3; REL-16; started: Jun 19; Completed June 20; WID: [RP-191776](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_85/Docs/RP-191776.zip)).

### 5.4.1 General and stage-2 corrections

Including incoming LSs, TS 37.320 corrections

### 5.4.2 TS 38.314 corrections

### 5.4.3 RRC corrections

R2-2310740 CR on Clarification of the ObtainCommonLocation field description Ericsson CR Rel-16 38.331 16.14.0 4346 - F NR\_SON\_MDT-Core

=> Change is correct but not essential.

=> Not pursued

R2-2310741 Mirror CR on Clarification of the ObtainCommonLocation field description Ericsson CR Rel-17 38.331 17.6.0 4347 - A NR\_SON\_MDT-Core

=> Not pursued

## 6.5 SON MDT

(NR\_ENDC\_SON\_MDT\_enh-Core; leading WG: RAN3; REL-17; WID: [RP-201281](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_88e/Docs/RP-201281.zip))

Tdoc Limitation: 2 tdocs

### 6.5.1 SON Corrections

R2-2310742 Logging previousPSCellId in case of SCG addition failure Ericsson CR Rel-17 38.331 17.6.0 4348 - F NR\_ENDC\_SON\_MDT\_enh-Core

=> CR is agreed in principle.

R2-2310743 Successful handover report is missing under ObtainCommonLocationInfo Ericsson CR Rel-17 38.331 17.6.0 4349 - F NR\_ENDC\_SON\_MDT\_enh-Core

=> CR is agreed in principle.

### 6.5.2 MDT Corrections

R2-2310363 Corrections on extension of R17 AreaConfiguration CATT discussion Rel-17 NR\_ENDC\_SON\_MDT\_enh-Core

=> Noted

R2-2310364 Corrections on extension of AreaConfiguration (Option1) CATT CR Rel-17 38.331 17.6.0 4327 - F NR\_ENDC\_SON\_MDT\_enh-Core

=> Agree with the intention and will be further discussed.

R2-2310526 Correction on delay definitions for split DRB Huawei, HiSilicon CR Rel-17 38.314 17.3.0 0030 - F NR\_ENDC\_SON\_MDT\_enh-Core

=> CR is agreed in principle.

## 7.13 Further enhancement of data collection for SON MDT in NR and EN-DC

(NR\_ENDC\_SON\_MDT\_enh2-Core; leading WG: RAN3; REL-18; WID: [RP-221825](http://ftp.3gpp.org/tsg_ran/TSG_RAN/TSGR_96/Docs/RP-221825.zip))

Includes LS in’s related to AI/ML for NG-RAN

Time budget: 1 TU

Tdoc Limitation: 6 tdocs

### 7.13.1 Organizational

Ls in Rapporteur input.

R2-2309437 LS on RACH enhancement (R3-234643; contact: Huawei) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

=> Noted

=> Three alternatives are all feasible and further down selection will be made on CB session on Friday.

* **[At123bis][651][R18 SON/MDT] Views on options in R2-2309437 (CMCC)**

Scope: No need technical discussion. Only collect companies’ preference for down selection among the three alternatives.

Output: Report

Deadline: End of morning coffee break on Friday

**Alt1:** Enable the addition in the RA Report of the feature priority of each feature in the feature combination used by the UE at the time RACH access is triggered. This enables the NG-RAN to determine whether any optimizsation is needed with respect to how features with different priorities are combined in the same feature combination associated to a RACH partition.

**Alt2:** Enable the addition in the RA Report of RACH partition configuration information. This information consists of the start preamble index and the number of preambles in the partition for which the RA Report was generated. This enables the NG-RAN to determine the RACH partition in use.

**Alt 3:** Enable the addition in the RA Report of the time between RACH access that led to the generation of a RA Report and when RA Report was retrieved. Using this timer, and in case the NG-RAN stores time records of past RA Partitions configurations, feature priorities and feature combinations, the NG-RAN can figure out the RACH configuration, feature priorities and feature combination in use.

R2-2309439 Reply LS on SHR and SPR (R3-234716; contact: Huawei) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2

=> Noted

R2-2309442 LS on MDT for NPN (R3-234744; contact: Ericsson) RAN3 LS in Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN2, SA5

=> Noted

=> The following running CR will be endorsed as baseline for further running:

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R2-2310446 Running CR 38306 for UE capability for R18 SONMDT CATT, Huawei, HiSilicon draftCR Rel-18 38.306 17.6.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310447 Running CR 38331 for UE capability for R18 SONMDT CATT, Huawei, HiSilicon draftCR Rel-18 38.331 17.6.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310496 Running 38.331 CR for logged MDT enhancements and NPN Huawei, HiSilicon draftCR Rel-18 38.331 17.6.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310497 Running 36.331 CR for logged MDT enhancements Huawei, HiSilicon draftCR Rel-18 36.331 17.6.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310498 Discussion on 38.331 issues for NPN Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310508 Running CR 36306 for UE capability for R18 SONMDT Huawei, HiSilicon, CATT draftCR Rel-18 36.306 17.4.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310509 Running CR 36331 for UE capability for R18 SONMDT Huawei, HiSilicon, CATT draftCR Rel-18 36.331 17.6.0 B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310562 Running 36331 CR for SN RACH report ZTE Corporation, Sanechips CR Rel-18 36.331 17.6.0 4960 - B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310563 Running 38.331 CR for SON on RACH report ZTE Corporation, Sanechips CR Rel-18 38.331 17.6.0 4335 - B NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310749 Running CR 36331 for Rel-18 SON MRO Ericsson CR Rel-18 36.331 17.6.0 4943 1 B NR\_ENDC\_SON\_MDT\_enh2-Core R2-2308458

R2-2310750 Running CR 38331 for Rel-18 SON MRO Ericsson CR Rel-18 38.331 17.6.0 4253 1 B NR\_ENDC\_SON\_MDT\_enh2-Core R2-2308459

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R2-2310564 Reply RAN3 LS on RACH enhancements ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310751 List of Open Issues of Rel-18 SONMDT WI Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

=> Noted

### 7.13.2 MRO for inter-system handover for voice fallback

R2-2310744 Discussion on voice fallback HO failure Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

=> Noted

### 7.13.3 MDT override

### 7.13.4 SHR and SPCR

R2-2311520 Pre-meeting summary for 7.13.4 (SHR and SPCR) (Nokia)

=> RAN2 should send a reply LS to RAN3.

Agreements:

1 The target C-RNTI is included in inter-RAT SHR to enable the correlation of the SHR and RLF report.

2 UE should be allowed to store two SPR configurations configured by MN and SN respectively. UE only monitors the SPR configuration configured by the node that initiated the PSCell change.

3 The NW indicates that a PSCell change is MN-initiated or SN-initiated if UE support SPR, and UE includes this information in the SPR.

4 Mechanism (other than indicating it in RRCReconfigurationComplete message) to indicate SPR availability to the network is needed for SRB1.

* **[At123bis][653][R18 SON/MDT] Open issues on SHR and SPCR (Ericsson)**

Scope: Focus on the following FFS scenarios

Output: Report

Deadline: End of morning coffee break on Friday

FFS offline: For all the following scenarios which SP configuration(s) the UE should clear separately:

• a: At successful PSCellAddition, the UE clears the SPR configuration provided by MN

• b: At successful PSCellAddition, the UE clears the SPR configuration provided by SN. FFS which timer(s)

• c: At successful PSCellChange, the UE clears the SPR configuration provided by MN

• d: At successful PSCellChange, the UE clears the SPR configuration provided by SN

• e: At SCG failure, the UE clears the SPR configuration provided by MN

• f: At SCG failure, the UE clears the SPR configuration provided by SN

• g: At Reconfiguration with synch on PCell, the UE clears the SPR configuration provided by MN

• h: At Reconfiguration with synch on PCell, the UE clears the SPR configuration provided by SN

R2-2309672 Remaining issues on SPR vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2309941 Discussion on inter-RAT SHR from NR to LTE Lenovo discussion Rel-18

R2-2309942 SON enhancements for SPR Lenovo discussion Rel-18

R2-2310365 Further discussion on inter-RAT SHR and SPR CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310422 Remain issues on SPR SHARP Corporation discussion

R2-2310501 Discussion on SHR and SPCR  (RAN3 LS R3-234716) Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310502 Discussion on leftover issues for SHR and SPCR Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310565 Consideration on SHR and SPR remaining issues ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310595 SON/MDT enhancements for Inter-RAT SHR and SPR Samsung discussion

R2-2310615 Clearing SPR configuration Samsung discussion

R2-2310703 SPR configuration and reporting related issues Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310704 Correlation of inter-RAT SHR with RLF Report Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310746 Discussion on inter-RAT SHR and SPR Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2311084 Discussion on successful PSCell change report Qualcomm Incorporated discussion Rel-18

### 7.13.5 SON for NR-U

Focus on UE impacts. RAN2/RAN3 progress should be considered.

R2-2311204 [Post123][558][R18 SON/MDT] SON for NR-U (Ericsson) Ericsson discussion

Agreements:

1 Introduce a field to indicate that all preambles transmitted in a selected beam were blocked by LBT. FFS how to set the numberOfPreamblesSentOnSSB-r16/numberOfPreamblesSentOnCSI-RS-r16 and the perRAAttemptInfoList.

2 If all preambles transmitted in a selected beam were blocked by LBT, the already agreed “lbtDetected” flag is not included in the perRAInfo.

3 All the BWPs (same as for the RA-Report) in which the UE experienced the consistent UL LBT failure, prior the RLF/HOF, are included in the RLF-Report.

4 For the HOF, the RSSI measurement results of the serving and neighbouring frequencies should be included in the RLF-Report, if the measRSSI-ReportConfig is configured for those frequencies and if available.

5 For the RLF, the RSSI measurement results of the neighbouring frequencies should be included in the RLF-Report, if the measRSSI-ReportConfig is configured for those frequencies and if available.

6 The RSSI measurements of the serving/neighboring frequencies should be included in the SHR, if the measRSSI-ReportConfig is configured for those frequencies and if available.

R2-2309943 Discussion on MRO for NR-U Lenovo discussion Rel-18

R2-2310260 SONMDT enhancement for NR-U CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310345 On lbt-FailureRecoveryConfig in RLF-Report Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310366 SON Enhancement for NR-U CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310503 Discussion on leftover issues for SON for NR-U Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310612 SON/MDT enhancements for NR-U Samsung discussion

R2-2311083 Discussion on RA-Report enhancement for NR-U Qualcomm Incorporated discussion Rel-18

R2-2311200 Enhancements of SON reports for NR-U Ericsson discussion

### 7.13.6 RACH enhancement

R2-2311521 Summary of the AI 7.13.6 RACH optimization (Ericsson)

Agreements:

1 Include the slice IDs (S-NSSAIs) that triggered the RA procedure in the RA report.

2 Include a single flag indicating whether the SDT was failed or not.

R2-2310049 Consideration on the SON enhancements for RACH report Xiaomi discussion Rel-18

R2-2310272 Discussion on RACH Enhancement for SONMDT CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310344 RACH enhancements remaining issues Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310367 RACH enhancement for SON CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310423 Power information in RA report SHARP Corporation discussion

R2-2310428 RA report enhancement for SDT SHARP Corporation discussion

R2-2310434 [Draft] Reply LS on RACH enhancement CMCC LS out Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core To:RAN3

R2-2310500 Discussion on RACH enhancement (RAN3 LS R3-234643) Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310504 Discussion on leftover issues for RACH enhancement Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310566 Consideration on RACH partitioning enhancements ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310567 Consideration on other RACH enhancements ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310614 SON/MDT enhancements for RACH Samsung discussion

R2-2310649 Discussion on RACH enhancement for SON NEC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310705 Discussion on RACH enhancement for SON and reply LS proposal to R2-2309437/R3-234643 Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310748 RA report enhancement Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310792 Discussion on RACH enhancement China Telecom Corporation Ltd. discussion

R2-2311085 Discussion on RA-Report enhancement for RACH partitioning information Qualcomm Incorporated discussion Rel-18

### 7.13.7 SON/MDT enhancements for Non-Public Networks

R2-2310445 Summary of [Post123][559][R18 SONMDT] Open issues of SONMDT for NPN (CATT) CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

=> Consider MHI, CEF and RA report enhancements for NPN networks in Rel-18. Similar conclusions should be reached rapidly and repetitive discussions should be avoided.

=> RAN2 to send the decision to RAN3 in the reply LS (CATT)

=> Consider to introduce enhancements for OOC analysis involving NPN network.

* **[At123bis][652][R18 SON/MDT] RAN2 decision on SONMDT for NPN (CATT)**

Scope: Draft reply LS to inform our agreements “Not introducing any enhancements to address the loss issue of logged MDT report when UE switches between SNPN and PN due to limited time”

Output: Approved LS

Deadline: End of morning coffee break on Friday

Agreement:

1 Not introducing any enhancements to address the loss issue of logged MDT report when UE switches between SNPN and PN due to limited time.

R2-2311530 Pre-meeting summary of 7.13.7 (Huawei)

FFS: Waiting for RAN3 related progress: Proposal 2: RAN2 to discuss whether ESNPN can be applied to RLF/HOF report besides the Logged MDT:

- Option 1: Limit RLF/HOF record and report to the registered SNPN, one nid is enough;

- Option 2: ESNPN is supported for RLF/HOF report, and separate nid(s) may need in the RLF/HOF report to identify the other part of SNPN IDs for different usage, together with the different PLMN ID part in e.g. previousPCellId-r16, failedPCellId-r16, reconnectCellId-r16 and reestablishmentCellId-r16.

* **[At123bis][654][R18 SON/MDT] RAN2 decision on SONMDT for NPN (Huawei)**

Scope: Focus on P3 in R2-2311530

Output: Report

Deadline: End of morning coffee break on Friday

Offline discussion and CB on Friday: Proposal 3 Enhance the logged MDT report with cell type indication (e.g., NPN cell) as part of the measurement results. Regarding how to include the indication,

- Option 1: Registered SNPN ID in which all the logged MDT entries recording occurred inside each entry of logMeasInfoList;

- Option 2: ESNPN list outside the logMeasInfoList;

- Option 3: All registered SNPN IDs in which all the logged MDT entries occurred as a list (without duplication) outside the logMeasInfoList.

- Option 4: Logging a flag in neighbor cells measurements in logged MDT report indicating that the cell is an NPN cell.

Agreements:

1 A critical extension (i.e. AreaConfiguration-r18) can be considered in R18 for the PNI-NPN area scope in logged MDT configuration for mistake correction and to cover all configuration possibilities.

2 Include the 3 cases of cell based/TAI based/SNPN list based SNPN related area scopes in the logged MDT configuration and a critical extension (i.e. AreaConfiguration-r18) can be considered in R18. FFS how to optimize the signalling structure to avoid much overhead.

R2-2310050 Discussion on the SONMDT enhancement for NPN Xiaomi discussion Rel-18

R2-2310261 SONMDT enhancement for NPN CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310343 Out-of-coverage in NP Apple discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310368 SON and MDT Enhancement for NPN CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310505 Discussion on leftover issues for SONMDT enhancements for NPN Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310568 Consideration on SON-MDT support for NPN ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310598 SON/MDT enhancements for NPN Samsung discussion

R2-2310747 SON Support for NPN Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

### 7.13.8 Other

R2-2311523 Summary of 7.13.8 Other ZTE

Agreements:

1 UE includes following time information in RLF report for fast MCG link recovery optimization: Time between MCG failure (or transmitting MCGFailureInformation, only for case a) and SCG failure for case a and f1.

2 Upon MCG recovery failure due to SCG failure all possible SCG failure types (that in legacy may be included in the SCGFailureInformation) can be logged for MCG recovery failure cause in the RLF report. Details can be further discussed through running CR.

R2-2310499 Report of [Post123][567][R18 SONMDT] Cap of SONMDT  (Huawei) Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

Agreements:

1: Introduce an optional feature without signalling for NR RLF report for voice fallback in NR. This feature indicates whether the UE supports an explicit indication in RLF-report when mobility from NR fails and due to voice fallback.

2: Introduce an optional feature without signalling for LTE RLF report for voice fallback in LTE. This feature is for the case an RLF occurs shortly after successful HO from NR to E-UTRAN for voice fallback.

3: Introduce a new UE capaiblity bit (optional with signalling) for SPR. This bit indicates whether the UE supports the storage and delivery of Successful PScell Change/Addition Report upon request from the network.

4: Introduce A new UE capability bit (optional with signalling) for SHR for a handover from NR to E-UTRA. This bit indicates whether the UE supports the storage and delivery of Successful Handover Report for Handover from NR to E-UTRA, upon request from the network.

5: Introduce A new UE capability bit (optional with signalling) for NPN in logged MDT. This bit indicates whether the UE supports the inclusion of NPN ID in logged MDT procedures, upon request from the network.

6: Introduce an optioanl feature without signalling for NPN in RLF report. This feature indicates whether the UE supports the inclusion of NPN ID in RLF report procedure, upon request from the network.

9: Introduce a new UE capability bit (optional with signalling) for RACH report about NR RACH Report in LTE. This bit indicates whether the UE supports NR RACH report in LTE, upon request from the network.

12: Introduce a new UE capability bit (optional with signalling) for signalling based logged MDT override protection in LTE. This bit indicates whether the UE supports the override protection of the signalling based logged measurements configured in E-UTRA when going to NR.

13: For new UE capabilities for Rel-18 SON and MDT enhancements (except for NR-U SON capabilities), there is no need to differentiate FDD/TDD and FR1/FR2.

8: For RACH report about RACH partitioning information, this could be an optional feature without signalling.

10: For RLF for Fast MCG recovery, it is an optional feature without signalling.

11: For SON enhancements for NR-U: Introduce a new optional feature for NR-U in SON reports. The feature is optional without signalling, and it covers RA-report/SHR/RLF report.

14: For NR-U SON capabilities, they are applicable only to FR1.

=> Strat the running CR on UE capabilities base on the agreements from this meeting. (CATT)

R2-2309673 Remaining issues on MRO for CPAC vivo discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh-Core

R2-2309944 SON enhancements for CPAC Lenovo discussion Rel-18

R2-2309945 MRO for fast MCG link recovery Lenovo discussion Rel-18

R2-2310282 SON MDT enhancement for MR-DC CPAC CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310283 MHI Enhancement for SCG Activation/Deactivation CMCC discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310369 Discussion on Fast MCG recovery MRO Enhancement CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310370 Discussion on MHI Enhancement for SCG Deactivation/Activation CATT discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310427 Discussion on fast MCG recovery MRO SHARP Corporation discussion

R2-2310506 Discussion on leftover issues for fast MCG recovery Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310507 Discussion on leftover issues for CPAC MRO Huawei, HiSilicon discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310569 Consideration on fast MCG recovery and CPAC MRO ZTE Corporation, Sanechips discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310594 Fast MCG Link Recovery Optimization Samsung discussion

R2-2310706 Improvement of handling of timeConnFailure Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310707 MRO for CPAC Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310708 MRO for fast MCG recovery Nokia, Nokia Shanghai Bell discussion Rel-18 NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310745 Discussion on Fast MCG recovery and SCG failure optimization Ericsson discussion NR\_ENDC\_SON\_MDT\_enh2-Core

R2-2310756 Discussion on CPAC failure report NTT DOCOMO, INC. discussion

R2-2311087 Discussion on open issues on CPAC MRO and fast MCG recovery failures Qualcomm Incorporated discussion Rel-18