3GPP TSG-RAN WG3 Meeting #123 R3-24XXXX

**Athens, GR, 26 Feb – 01 Mar, 2024**

**Agenda Item: 9.1.1.2**

**Source: ZTE**

**Title: Summary of offline discussions on CB: # SONMDT5\_ASN.1**

**Document for: Discussion and approval**

# 1 Introduction

**CB: # SONMDT5\_ASN.1**

**- Check the necessary ASN.1 update**

(moderator - ZTE)

# 2 For the Chairman’s Notes

[R3-240366](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240366.zip): Please NGAP rapporteur Sean check whether this CR can be captured in Rel-18.

[R3-240367](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240366.zip), the semantic description of ‘**PNI-NPN Area Scope of MDT**’ IE should be removed. On top of that, please XnAP rapporteur Alex check whether this CR can be captured in Rel-18.

Agree [R3-240468](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240468.zip) Correction on RACH Optimisation.

[R3-240755](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) and [R3-240756](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) Correction on inter-RAT SHR for correlation function can be noted.

# 3 Discussion

### [R3-240468](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240468.zip) Correction on RACH Optimisation (Huawei, Deutsche Telekom, China Unicom)

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| TS 38.4018.11.4 Support of shared signalling transport This clause specifies for F1-C, Xn-C and, in case of EN-DC, for X2-C, how an interface instance is identified in case of network sharing with multiple cell ID broadcast with shared signalling transport.  For UE associated signalling, the interface instance is identified by assigning on F1-C appropriate UE F1AP IDs, on Xn-C appropriate UE XnAP IDs and on X2-C appropriate UE X2AP IDs.  For non-UE associated signalling, the interface instance is identified on F1-C by the assigning an appropriate value to the Transaction ID, on Xn-C and X2-C by including the Interface Instance Indication in the respective message and assigning an appropriate value to it. |

**Moderator’s proposal: Agree the CR.**

Question 1: provide your view on the CR.

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| **Company** | **Comment** |
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Moderator summary:

**After offline discussion,** [**R3-240468**](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240468.zip) **can be agreed.**

### [R3-240755](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) Correction on inter-RAT SHR for correlation function (ZTE)

### [R3-240756](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240756.zip) Correction on inter-RAT SHR for correlation function (ZTE)

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| TS 36.331  RLF-Report-r9 ::= SEQUENCE {  measResultLastServCell-r9 SEQUENCE {  rsrpResult-r9 RSRP-Range,  rsrqResult-r9 RSRQ-Range OPTIONAL  },  measResultNeighCells-r9 SEQUENCE {  measResultListEUTRA-r9 MeasResultList2EUTRA-r9 OPTIONAL,  measResultListUTRA-r9 MeasResultList2UTRA-r9 OPTIONAL,  measResultListGERAN-r9 MeasResultListGERAN OPTIONAL,  measResultsCDMA2000-r9 MeasResultList2CDMA2000-r9 OPTIONAL  } OPTIONAL,  ...,  [[ locationInfo-r10 LocationInfo-r10 OPTIONAL,  failedPCellId-r10 CHOICE {  cellGlobalId-r10 CellGlobalIdEUTRA,  pci-arfcn-r10 SEQUENCE {  physCellId-r10 PhysCellId,  carrierFreq-r10 ARFCN-ValueEUTRA  }  } OPTIONAL,  reestablishmentCellId-r10 CellGlobalIdEUTRA OPTIONAL,  timeConnFailure-r10 INTEGER (0..1023) OPTIONAL,  connectionFailureType-r10 ENUMERATED {rlf, hof} OPTIONAL,  previousPCellId-r10 CellGlobalIdEUTRA OPTIONAL  ]],  [[ failedPCellId-v1090 SEQUENCE {  carrierFreq-v1090 ARFCN-ValueEUTRA-v9e0  } OPTIONAL  ]],  [[ basicFields-r11 SEQUENCE {  c-RNTI-r11 C-RNTI,  rlf-Cause-r11 ENUMERATED {  t310-Expiry, randomAccessProblem,  rlc-MaxNumRetx, t312-Expiry-r12},  timeSinceFailure-r11 TimeSinceFailure-r11  } OPTIONAL,  previousUTRA-CellId-r11 SEQUENCE {  carrierFreq-r11 ARFCN-ValueUTRA,  physCellId-r11 CHOICE {  fdd-r11 PhysCellIdUTRA-FDD,  tdd-r11 PhysCellIdUTRA-TDD  },  cellGlobalId-r11 CellGlobalIdUTRA OPTIONAL  } OPTIONAL,  selectedUTRA-CellId-r11 SEQUENCE {  carrierFreq-r11 ARFCN-ValueUTRA,  physCellId-r11 CHOICE {  fdd-r11 PhysCellIdUTRA-FDD,  tdd-r11 PhysCellIdUTRA-TDD  }  } OPTIONAL  ]],  [[ failedPCellId-v1250 SEQUENCE {  tac-FailedPCell-r12 TrackingAreaCode  } OPTIONAL,  measResultLastServCell-v1250 RSRQ-Range-v1250 OPTIONAL,  lastServCellRSRQ-Type-r12 RSRQ-Type-r12 OPTIONAL,  measResultListEUTRA-v1250 MeasResultList2EUTRA-v1250 OPTIONAL  ]],  [[ drb-EstablishedWithQCI-1-r13 ENUMERATED {qci1} OPTIONAL  ]],  [[ measResultLastServCell-v1360 RSRP-Range-v1360 OPTIONAL  ]],  [[ logMeasResultListBT-r15 LogMeasResultListBT-r15 OPTIONAL,  logMeasResultListWLAN-r15 LogMeasResultListWLAN-r15 OPTIONAL  ]],  [[ measResultListNR-r16 MeasResultCellListNR-r15 OPTIONAL,  previousNR-PCellId-r16 CellGlobalIdNR-r16 OPTIONAL,  failedNR-PCellId-r16 CHOICE {  cellGlobalId CellGlobalIdNR-r16,  pci-arfcn SEQUENCE {  physCellId-r16 PhysCellIdNR-r15,  carrierFreq-r16 ARFCN-ValueNR-r15  }  } OPTIONAL,  reconnectCellId-r16 CHOICE {  nrReconnectCellId CellGlobalIdNR-r16,  eutraReconnectCellId SEQUENCE {  cellGlobalId-r16 CellGlobalIdEUTRA,  trackingAreaCode-EPC-r16 TrackingAreaCode OPTIONAL,  trackingAreaCode-5GC-r16 TrackingAreaCode-5GC-r15 OPTIONAL  }  } OPTIONAL,  timeUntilReconnection-r16 TimeUntilReconnection-r16 OPTIONAL  ]],  [[ measResultListNR-v1640 SEQUENCE {  carrierFreqNR-r16 ARFCN-ValueNR-r15  } OPTIONAL,  measResultListExtNR-r16 MeasResultFreqListNR-r16 OPTIONAL  ]],  [[  voiceFallbackHO-r18 ENUMERATED {true} OPTIONAL  ]]  } |

**Moderator’s proposal: Agree the CRs with Setting presence of Time Since Failure IE as M.**

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| SHR Coordination information | O |  |  |  | YES | ignore |
| >Target Cell C-RNTI | M |  | BIT STRING (SIZE (16)) | C-RNTI allocated at the target NG-RAN node. | – |  |
| >Time Since Failure | M |  | INTEGER (0.. 172800, ...) | Corresponds to the *TimeSinceFailure* IE received from the UE in RLF Report as defined in TS 36.331 [21]. | – |  |

Question 2: provide your view on the CRs.

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| **Company** | **Comment** |
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Moderator summary:

**During offline discussion, it is clarified that Time since Failure IE alone may be used for cell level optimization, therefore there will be no issue in the receiving node, the** [**R3-240755**](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) **and** [**R3-240756**](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) **can be noted.**

### [R3-240366](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240366.zip) ASN.1 corrections for MDT enhancements to support NPN (Nokia, Nokia Shanghai Bell)

### [R3-240367](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240367.zip) ASN.1 correction for MDT enhancements to support NPN (Nokia, Nokia Shanghai Bell)

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**Moderator’s proposal: To correct the misalignment in rapporteur CR.**

Question 3: provide your view on the CRs.

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| **Company** | **Comment** |
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Moderator summary:

During the offline discussion, the benefit of the new updates is not convinced, and decided whether the corrections could be captured based on decision of Specification rapporteur.

For [R3-240366](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240366.zip), please NGAP rapporteur Sean check whether this CR can be captured in Rel-18.

For [R3-240367](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240366.zip), the semantic description of ‘**PNI-NPN Area Scope of MDT**’ IE should be removed. On top of that, please XnAP rapporteur Alex check whether this CR can be captured in Rel-18.

# 4 References

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| [R3-240366](D:\\会议硬盘\\TSGR3_123\\Docs\\R3-240366.zip) | ASN.1 corrections for MDT enhancements to support NPN (Nokia, Nokia Shanghai Bell) | CR1086r, TS 38.413 v18.0.0, Rel-18, Cat. F  E///: What’s the issue without this change?  ZTE: Do not see the difference |
| [R3-240367](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240367.zip) | ASN.1 corrections for MDT enhancements to support NPN (Nokia, Nokia Shanghai Bell) | CR1163r, TS 38.423 v18.0.0, Rel-18, Cat. F |
| [R3-240468](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240468.zip) | Correction on RACH Optimisation (Huawei, Deutsche Telekom, China Unicom) | CR1320r, TS 38.473 v18.0.0, Rel-18, Cat. F  Nok: Change the criticality of Transaction ID  E///: Do not agree to change the criticality of RA Report Indication List |
| [R3-240755](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240755.zip) | Correction on inter-RAT SHR for correlation function (ZTE) | CR1121r, TS 38.413 v18.0.0, Rel-18, Cat. F  HW: Do not understand the benefits  SS: Support it  E///: Why there is the case that C-RNTI will be absent  QC: It’s two optional IEs in UE report |
| [R3-240756](file:///D:\会议硬盘\TSGR3_123\Docs\R3-240756.zip) | Correction on inter-RAT SHR for correlation function (ZTE) | CR1230r, TS 38.423 v18.0.0, Rel-18, Cat. F |