**3GPP TSG-RAN WG2 Meeting #131 *R2-250xxxx***

**Bangalore, India, 25 – 29 Augugst 2025**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.3* | | | | | | | | |
| **DRAFT CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.331** | **CR** |  | **rev** | **-** | **Current version:** | **18.6.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Draft 38.331 CR for Rel-19 XR UE capabilities | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Xiaomi | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_XR\_Ph3-Core | | | | |  | ***Date:*** | | | 2025-08 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Introduce UE capabilities for Rel-19 XR. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Following UE capabilities for Rel-19 XR are defined:   1. Dynamic logical channel priority based on remaining time of buffered data. 2. Multiple entry delay status report of the buffered data. 3. Including non-delay-reporting data ahead of delay-reporting data for enhanced delay status report. 4. Remaining-time-based RLC retransmission. 5. Remaining-time-based RLC polling. 6. UL rate control MAC CE from the gNB to the UE. 7. Bit rate query (in UL Rate Control MAC CE) from the UE to the gNB. 8. Detecting of discard of AMD PDU(s) based on RLC timer at receiving side. 9. Stopping RLC transmission and retransmission of discarded SDUs at the transmitting side. 10. Reporting the ratio of gap occasion cancellation. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | UE capabilities for Rel-19 XR are not introduced. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.3.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS/TR 38.306 CR XXXX | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | R2-2503437: 1st version in RAN2#130. | | | | | | | | |

*First change*

### 6.3.3 UE capability information elements

#### – *MAC-Parameters*

The IE *MAC-Parameters* is used to convey capabilities related to MAC.

*MAC-Parameters* information element

-- ASN1START

-- TAG-MAC-PARAMETERS-START

MAC-Parameters ::= SEQUENCE {

mac-ParametersCommon MAC-ParametersCommon OPTIONAL,

mac-ParametersXDD-Diff MAC-ParametersXDD-Diff OPTIONAL

}

MAC-Parameters-v1610 ::= SEQUENCE {

mac-ParametersFRX-Diff-r16 MAC-ParametersFRX-Diff-r16 OPTIONAL

}

MAC-Parameters-v1700 ::= SEQUENCE {

mac-ParametersFR2-2-r17 MAC-ParametersFR2-2-r17 OPTIONAL

}

MAC-Parameters-v17b0 ::= SEQUENCE {

mTRP-PUSCH-PHR-Type1-Reporting-r17 ENUMERATED {supported} OPTIONAL

}

MAC-Parameters-v17c0 ::= SEQUENCE {

directSCellActivationWithTCI-r17 ENUMERATED {supported} OPTIONAL

}

MAC-ParametersCommon ::= SEQUENCE {

lcp-Restriction ENUMERATED {supported} OPTIONAL,

dummy ENUMERATED {supported} OPTIONAL,

lch-ToSCellRestriction ENUMERATED {supported} OPTIONAL,

...,

[[

recommendedBitRate ENUMERATED {supported} OPTIONAL,

recommendedBitRateQuery ENUMERATED {supported} OPTIONAL

]],

[[

recommendedBitRateMultiplier-r16 ENUMERATED {supported} OPTIONAL,

preEmptiveBSR-r16 ENUMERATED {supported} OPTIONAL,

autonomousTransmission-r16 ENUMERATED {supported} OPTIONAL,

lch-PriorityBasedPrioritization-r16 ENUMERATED {supported} OPTIONAL,

lch-ToConfiguredGrantMapping-r16 ENUMERATED {supported} OPTIONAL,

lch-ToGrantPriorityRestriction-r16 ENUMERATED {supported} OPTIONAL,

singlePHR-P-r16 ENUMERATED {supported} OPTIONAL,

ul-LBT-FailureDetectionRecovery-r16 ENUMERATED {supported} OPTIONAL,

-- R4 8-1: MPE

tdd-MPE-P-MPR-Reporting-r16 ENUMERATED {supported} OPTIONAL,

lcid-ExtensionIAB-r16 ENUMERATED {supported} OPTIONAL

]],

[[

spCell-BFR-CBRA-r16 ENUMERATED {supported} OPTIONAL

]],

[[

srs-ResourceId-Ext-r16 ENUMERATED {supported} OPTIONAL

]],

[[

enhancedUuDRX-forSidelink-r17 ENUMERATED {supported} OPTIONAL,

--27-10: Support of UL MAC CE based MG activation request for PRS measurements

mg-ActivationRequestPRS-Meas-r17 ENUMERATED {supported} OPTIONAL,

--27-11: Support of DL MAC CE based MG activation request for PRS measurements

mg-ActivationCommPRS-Meas-r17 ENUMERATED {supported} OPTIONAL,

intraCG-Prioritization-r17 ENUMERATED {supported} OPTIONAL,

jointPrioritizationCG-Retx-Timer-r17 ENUMERATED {supported} OPTIONAL,

survivalTime-r17 ENUMERATED {supported} OPTIONAL,

lcg-ExtensionIAB-r17 ENUMERATED {supported} OPTIONAL,

harq-FeedbackDisabled-r17 ENUMERATED {supported} OPTIONAL,

uplink-Harq-ModeB-r17 ENUMERATED {supported} OPTIONAL,

sr-TriggeredBy-TA-Report-r17 ENUMERATED {supported} OPTIONAL,

extendedDRX-CycleInactive-r17 ENUMERATED {supported} OPTIONAL,

simultaneousSR-PUSCH-DiffPUCCH-groups-r17 ENUMERATED {supported} OPTIONAL,

lastTransmissionUL-r17 ENUMERATED {supported} OPTIONAL

]],

[[

harq-RTT-TimerDL-ForNTN-MulticastMBS-r17 ENUMERATED {supported} OPTIONAL

]],

[[

sr-TriggeredByTA-ReportATG-r18 ENUMERATED {supported} OPTIONAL,

extendedDRX-CycleInactive-r18 ENUMERATED {supported} OPTIONAL,

additionalBS-Table-r18 ENUMERATED {supported} OPTIONAL,

delayStatusReport-r18 ENUMERATED {supported} OPTIONAL,

cg-RetransmissionMonitoringDisabling-r18 ENUMERATED {supported} OPTIONAL,

non-IntegerDRX-r18 ENUMERATED {supported} OPTIONAL

]],

[[

multipleEntryDelayStatusReport-r19 ENUMERATED {supported} OPTIONAL,

lcp-PriorityAdjustment-r19 ENUMERATED {supported} OPTIONAL,

ul-RateControl-r19 ENUMERATED {supported} OPTIONAL,

ul-RateQuery-r19 ENUMERATED {supported} OPTIONAL,

delayStatusReportNonDelayReportingData-r19 ENUMERATED {supported} OPTIONAL

]]

}

MAC-ParametersFRX-Diff-r16 ::= SEQUENCE {

directMCG-SCellActivation-r16 ENUMERATED {supported} OPTIONAL,

directMCG-SCellActivationResume-r16 ENUMERATED {supported} OPTIONAL,

directSCG-SCellActivation-r16 ENUMERATED {supported} OPTIONAL,

directSCG-SCellActivationResume-r16 ENUMERATED {supported} OPTIONAL,

-- R1 19-1: DRX Adaptation

drx-Adaptation-r16 SEQUENCE {

non-SharedSpectrumChAccess-r16 MinTimeGap-r16 OPTIONAL,

sharedSpectrumChAccess-r16 MinTimeGap-r16 OPTIONAL

} OPTIONAL,

...

}

MAC-ParametersFR2-2-r17 ::= SEQUENCE {

directMCG-SCellActivation-r17 ENUMERATED {supported} OPTIONAL,

directMCG-SCellActivationResume-r17 ENUMERATED {supported} OPTIONAL,

directSCG-SCellActivation-r17 ENUMERATED {supported} OPTIONAL,

directSCG-SCellActivationResume-r17 ENUMERATED {supported} OPTIONAL,

drx-Adaptation-r17 SEQUENCE {

non-SharedSpectrumChAccess-r17 MinTimeGapFR2-2-r17 OPTIONAL,

sharedSpectrumChAccess-r17 MinTimeGapFR2-2-r17 OPTIONAL

} OPTIONAL,

...

}

MAC-ParametersXDD-Diff ::= SEQUENCE {

skipUplinkTxDynamic ENUMERATED {supported} OPTIONAL,

logicalChannelSR-DelayTimer ENUMERATED {supported} OPTIONAL,

longDRX-Cycle ENUMERATED {supported} OPTIONAL,

shortDRX-Cycle ENUMERATED {supported} OPTIONAL,

multipleSR-Configurations ENUMERATED {supported} OPTIONAL,

multipleConfiguredGrants ENUMERATED {supported} OPTIONAL,

...,

[[

secondaryDRX-Group-r16 ENUMERATED {supported} OPTIONAL

]],

[[

enhancedSkipUplinkTxDynamic-r16 ENUMERATED {supported} OPTIONAL,

enhancedSkipUplinkTxConfigured-r16 ENUMERATED {supported} OPTIONAL

]],

[[

dummy1 ENUMERATED {supported} OPTIONAL,

dummy2 ENUMERATED {supported} OPTIONAL

]]

}

MinTimeGap-r16 ::= SEQUENCE {

scs-15kHz-r16 ENUMERATED {sl1, sl3} OPTIONAL,

scs-30kHz-r16 ENUMERATED {sl1, sl6} OPTIONAL,

scs-60kHz-r16 ENUMERATED {sl1, sl12} OPTIONAL,

scs-120kHz-r16 ENUMERATED {sl2, sl24} OPTIONAL

}

MinTimeGapFR2-2-r17 ::= SEQUENCE {

scs-120kHz-r17 ENUMERATED {sl2, sl24} OPTIONAL,

scs-480kHz-r17 ENUMERATED {sl8, sl96} OPTIONAL,

scs-960kHz-r17 ENUMERATED {sl16, sl192} OPTIONAL

}

MAC-ParametersPerBand-r18 ::= SEQUENCE {

ptm-Retransmission-r18 ENUMERATED {supported} OPTIONAL,

ptm-RetransmissionInactive-r18 ENUMERATED {supported} OPTIONAL,

...

}

-- TAG-MAC-PARAMETERS-STOP

-- ASN1STOP

#### 

#### – *MeasAndMobParameters*

The IE *MeasAndMobParameters* is used to convey UE capabilities related to measurements for radio resource management (RRM), radio link monitoring (RLM) and mobility (e.g. handover).

*MeasAndMobParameters* information element

-- ASN1START

-- TAG-MEASANDMOBPARAMETERS-START

MeasAndMobParameters ::= SEQUENCE {

measAndMobParametersCommon MeasAndMobParametersCommon OPTIONAL,

measAndMobParametersXDD-Diff MeasAndMobParametersXDD-Diff OPTIONAL,

measAndMobParametersFRX-Diff MeasAndMobParametersFRX-Diff OPTIONAL

}

MeasAndMobParameters-v15t0 ::= SEQUENCE {

measAndMobParametersCommon-v15t0 MeasAndMobParametersCommon-v15t0 OPTIONAL

}

MeasAndMobParameters-v1700 ::= SEQUENCE {

measAndMobParametersFR2-2-r17 MeasAndMobParametersFR2-2-r17 OPTIONAL

}

MeasAndMobParametersCommon ::= SEQUENCE {

supportedGapPattern BIT STRING (SIZE (22)) OPTIONAL,

ssb-RLM ENUMERATED {supported} OPTIONAL,

ssb-AndCSI-RS-RLM ENUMERATED {supported} OPTIONAL,

...,

[[

eventB-MeasAndReport ENUMERATED {supported} OPTIONAL,

handoverFDD-TDD ENUMERATED {supported} OPTIONAL,

eutra-CGI-Reporting ENUMERATED {supported} OPTIONAL,

nr-CGI-Reporting ENUMERATED {supported} OPTIONAL

]],

[[

independentGapConfig ENUMERATED {supported} OPTIONAL,

periodicEUTRA-MeasAndReport ENUMERATED {supported} OPTIONAL,

handoverFR1-FR2 ENUMERATED {supported} OPTIONAL,

maxNumberCSI-RS-RRM-RS-SINR ENUMERATED {n4, n8, n16, n32, n64, n96} OPTIONAL

]],

[[

nr-CGI-Reporting-ENDC ENUMERATED {supported} OPTIONAL

]],

[[

eutra-CGI-Reporting-NEDC ENUMERATED {supported} OPTIONAL,

eutra-CGI-Reporting-NRDC ENUMERATED {supported} OPTIONAL,

nr-CGI-Reporting-NEDC ENUMERATED {supported} OPTIONAL,

nr-CGI-Reporting-NRDC ENUMERATED {supported} OPTIONAL

]],

[[

reportAddNeighMeasForPeriodic-r16 ENUMERATED {supported} OPTIONAL,

condHandoverParametersCommon-r16 SEQUENCE {

condHandoverFDD-TDD-r16 ENUMERATED {supported} OPTIONAL,

condHandoverFR1-FR2-r16 ENUMERATED {supported} OPTIONAL

} OPTIONAL,

nr-NeedForGap-Reporting-r16 ENUMERATED {supported} OPTIONAL,

supportedGapPattern-NRonly-r16 BIT STRING (SIZE (10)) OPTIONAL,

supportedGapPattern-NRonly-NEDC-r16 ENUMERATED {supported} OPTIONAL,

maxNumberCLI-RSSI-r16 ENUMERATED {n8, n16, n32, n64} OPTIONAL,

maxNumberCLI-SRS-RSRP-r16 ENUMERATED {n4, n8, n16, n32} OPTIONAL,

maxNumberPerSlotCLI-SRS-RSRP-r16 ENUMERATED {n2, n4, n8} OPTIONAL,

mfbi-IAB-r16 ENUMERATED {supported} OPTIONAL,

dummy ENUMERATED {supported} OPTIONAL,

nr-CGI-Reporting-NPN-r16 ENUMERATED {supported} OPTIONAL,

idleInactiveEUTRA-MeasReport-r16 ENUMERATED {supported} OPTIONAL,

idleInactive-ValidityArea-r16 ENUMERATED {supported} OPTIONAL,

eutra-AutonomousGaps-r16 ENUMERATED {supported} OPTIONAL,

eutra-AutonomousGaps-NEDC-r16 ENUMERATED {supported} OPTIONAL,

eutra-AutonomousGaps-NRDC-r16 ENUMERATED {supported} OPTIONAL,

pcellT312-r16 ENUMERATED {supported} OPTIONAL,

supportedGapPattern-r16 BIT STRING (SIZE (2)) OPTIONAL

]],

[[

-- R4 19-2 Concurrent measurement gaps

concurrentMeasGap-r17 CHOICE {

concurrentPerUE-OnlyMeasGap-r17 ENUMERATED {supported},

concurrentPerUE-PerFRCombMeasGap-r17 ENUMERATED {supported}

} OPTIONAL,

-- R4 19-1 Network controlled small gap (NCSG)

nr-NeedForGapNCSG-Reporting-r17 ENUMERATED {supported} OPTIONAL,

eutra-NeedForGapNCSG-Reporting-r17 ENUMERATED {supported} OPTIONAL,

-- R4 19-1-1 per FR Network controlled small gap (NCSG)

ncsg-MeasGapPerFR-r17 ENUMERATED {supported} OPTIONAL,

-- R4 19-1-2 Network controlled small gap (NCSG) supported patterns

ncsg-MeasGapPatterns-r17 BIT STRING (SIZE(24)) OPTIONAL,

-- R4 19-1-3 Network controlled small gap (NCSG) supported NR-only patterns

ncsg-MeasGapNR-Patterns-r17 BIT STRING (SIZE(24)) OPTIONAL,

-- R4 19-3-2 pre-configured measurement gap

preconfiguredUE-AutonomousMeasGap-r17 ENUMERATED {supported} OPTIONAL,

-- R4 19-3-1 pre-configured measurement gap

preconfiguredNW-ControlledMeasGap-r17 ENUMERATED {supported} OPTIONAL,

handoverFR1-FR2-2-r17 ENUMERATED {supported} OPTIONAL,

handoverFR2-1-FR2-2-r17 ENUMERATED {supported} OPTIONAL,

-- RAN4 14-1: per-FR MG for PRS measurement

independentGapConfigPRS-r17 ENUMERATED {supported} OPTIONAL,

rrm-RelaxationRRC-ConnectedRedCap-r17 ENUMERATED {supported} OPTIONAL,

-- R4 25-3: Parallel measurements with multiple measurement gaps

parallelMeasurementGap-r17 ENUMERATED {n2} OPTIONAL,

condHandoverWithSCG-NRDC-r17 ENUMERATED {supported} OPTIONAL,

gNB-ID-LengthReporting-r17 ENUMERATED {supported} OPTIONAL,

gNB-ID-LengthReporting-ENDC-r17 ENUMERATED {supported} OPTIONAL,

gNB-ID-LengthReporting-NEDC-r17 ENUMERATED {supported} OPTIONAL,

gNB-ID-LengthReporting-NRDC-r17 ENUMERATED {supported} OPTIONAL,

gNB-ID-LengthReporting-NPN-r17 ENUMERATED {supported} OPTIONAL

]],

[[

-- R4 25-1: Parallel measurements on multiple SMTC-s for a single frequency carrier

parallelSMTC-r17 ENUMERATED {n4} OPTIONAL,

-- R4 19-2-1 Concurrent measurement gaps for EUTRA

concurrentMeasGapEUTRA-r17 ENUMERATED {supported} OPTIONAL,

serviceLinkPropDelayDiffReporting-r17 ENUMERATED {supported} OPTIONAL,

-- R4 19-1-4 Network controlled small gap (NCSG) performing measurement based on flag deriveSSB-IndexFromCellInter

ncsg-SymbolLevelScheduleRestrictionInter-r17 ENUMERATED {supported} OPTIONAL

]],

[[

eventD1-MeasReportTrigger-r17 ENUMERATED {supported} OPTIONAL,

independentGapConfig-maxCC-r17 SEQUENCE {

fr1-Only-r17 INTEGER (1..32) OPTIONAL,

fr2-Only-r17 INTEGER (1..32) OPTIONAL,

fr1-AndFR2-r17 INTEGER (1..32) OPTIONAL

} OPTIONAL

]],

[[

interSatMeas-r17 ENUMERATED {supported} OPTIONAL,

deriveSSB-IndexFromCellInterNon-NCSG-r17 ENUMERATED {supported} OPTIONAL

]],

[[

-- R4 31-1 Enhanced L3 measurement reporting for unknown SCell activation if the valid L3 measurement results are available

l3-MeasUnknownSCellActivation-r18 ENUMERATED {supported} OPTIONAL,

-- R4 31-3 Shorter measurement interval for unknown SCell activation

shortMeasInterval-r18 ENUMERATED {supported} OPTIONAL,

nr-NeedForInterruptionReport-r18 ENUMERATED {supported} OPTIONAL,

measSequenceConfig-r18 ENUMERATED {supported} OPTIONAL,

cellIndividualOffsetPerMeasEvent-r18 ENUMERATED {supported} OPTIONAL,

eventD2-MeasReportTrigger-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-1: Concurrent gaps with Pre-MG in a FR

concurrentMeasGapsPreMG-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-2: Support for dynamic collisions

dynamicCollision-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-3: Concurrent gaps with NCSG in a FR

concurrentMeasGapsNCSG-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-4: Inter-RAT EUTRAN measurements without gap and outside active DL BWP

eutra-NoGapMeasurementOutsideBWP-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-5: Inter-RAT EUTRAN measurement without gap and within active DL BWP

eutra-NoGapMeasurementInsideBWP-r18 ENUMERATED {supported} OPTIONAL,

-- R4 32-6: Effective measurement window for inter-RAT EUTRAN measurements

eutra-MeasEMW-r18 BIT STRING (SIZE(6)) OPTIONAL,

-- R4 32-7: Simultaneous reception of NR data and EUTRAN CRS with different numerology

concurrentMeasCRS-InsideBWP-EUTRA-r18 ENUMERATED {supported} OPTIONAL,

-- R4 39-2a: SSB based inter-frequency L1-RSRP measurements with measurement gaps

ltm-InterFreqMeasGap-r18 ENUMERATED {supported} OPTIONAL,

dummy-ltm-FastUE-Processing-r18 SEQUENCE {

fr1-r18 ENUMERATED {ms10, ms15},

fr2-r18 ENUMERATED {ms10, ms15},

fr1-AndFR2-r18 ENUMERATED {ms20, ms30}

} OPTIONAL,

rach-LessHandoverInterFreq-r18 ENUMERATED {supported} OPTIONAL,

enterAndLeaveCellReport-r18 ENUMERATED {supported} OPTIONAL,

bestCellChangeReport-r18 ENUMERATED {supported} OPTIONAL,

secondBestCellChangeReport-r18 ENUMERATED {supported} OPTIONAL

]],

[[

ltm-InterFreq-r18 ENUMERATED {supported} OPTIONAL,

ltm-MCG-NRDC-r18 ENUMERATED {supported} OPTIONAL,

ltm-RACH-LessDG-r18 ENUMERATED {supported} OPTIONAL,

ltm-RACH-LessCG-r18 ENUMERATED {supported} OPTIONAL,

ltm-Recovery-r18 ENUMERATED {supported} OPTIONAL,

ltm-ReferenceConfig-r18 ENUMERATED {supported} OPTIONAL,

ltm-MCG-NRDC-Release-r18 ENUMERATED {supported} OPTIONAL,

-- R4 39-7: Faster UE processing time during cell switch

ltm-FastUE-Processing-r18 SEQUENCE {

fr1-r18 ENUMERATED {ms10, ms15} OPTIONAL,

fr2-r18 ENUMERATED {ms10, ms15} OPTIONAL,

fr1-AndFR2-r18 ENUMERATED {ms20, ms30} OPTIONAL

} OPTIONAL,

ntn-NeighbourCellInfoSupport-r18 ENUMERATED {supported} OPTIONAL

]],

[[

ltm-interFreqL1-OnlyInBC-r18 ENUMERATED {supported} OPTIONAL

]],

[[

gapOccasionCancelRatioReport-r19 ENUMERATED {supported} OPTIONAL

]]

}

MeasAndMobParametersCommon-v15t0 ::= SEQUENCE {

intraF-NeighMeasForSCellWithoutSSB ENUMERATED{supported} OPTIONAL

}

MeasAndMobParametersXDD-Diff ::= SEQUENCE {

intraAndInterF-MeasAndReport ENUMERATED {supported} OPTIONAL,

eventA-MeasAndReport ENUMERATED {supported} OPTIONAL,

...,

[[

handoverInterF ENUMERATED {supported} OPTIONAL,

handoverLTE-EPC ENUMERATED {supported} OPTIONAL,

handoverLTE-5GC ENUMERATED {supported} OPTIONAL

]],

[[

sftd-MeasNR-Neigh ENUMERATED {supported} OPTIONAL,

sftd-MeasNR-Neigh-DRX ENUMERATED {supported} OPTIONAL

]],

[[

dummy ENUMERATED {supported} OPTIONAL

]]

}

MeasAndMobParametersFRX-Diff ::= SEQUENCE {

ss-SINR-Meas ENUMERATED {supported} OPTIONAL,

csi-RSRP-AndRSRQ-MeasWithSSB ENUMERATED {supported} OPTIONAL,

csi-RSRP-AndRSRQ-MeasWithoutSSB ENUMERATED {supported} OPTIONAL,

csi-SINR-Meas ENUMERATED {supported} OPTIONAL,

csi-RS-RLM ENUMERATED {supported} OPTIONAL,

...,

[[

handoverInterF ENUMERATED {supported} OPTIONAL,

handoverLTE-EPC ENUMERATED {supported} OPTIONAL,

handoverLTE-5GC ENUMERATED {supported} OPTIONAL

]],

[[

maxNumberResource-CSI-RS-RLM ENUMERATED {n2, n4, n6, n8} OPTIONAL

]],

[[

simultaneousRxDataSSB-DiffNumerology ENUMERATED {supported} OPTIONAL

]],

[[

nr-AutonomousGaps-r16 ENUMERATED {supported} OPTIONAL,

nr-AutonomousGaps-ENDC-r16 ENUMERATED {supported} OPTIONAL,

nr-AutonomousGaps-NEDC-r16 ENUMERATED {supported} OPTIONAL,

nr-AutonomousGaps-NRDC-r16 ENUMERATED {supported} OPTIONAL,

dummy ENUMERATED {supported} OPTIONAL,

cli-RSSI-Meas-r16 ENUMERATED {supported} OPTIONAL,

cli-SRS-RSRP-Meas-r16 ENUMERATED {supported} OPTIONAL,

interFrequencyMeas-NoGap-r16 ENUMERATED {supported} OPTIONAL,

simultaneousRxDataSSB-DiffNumerology-Inter-r16 ENUMERATED {supported} OPTIONAL,

idleInactiveNR-MeasReport-r16 ENUMERATED {supported} OPTIONAL,

-- R4 6-2: Support of beam level Early Measurement Reporting

idleInactiveNR-MeasBeamReport-r16 ENUMERATED {supported} OPTIONAL

]],

[[

increasedNumberofCSIRSPerMO-r16 ENUMERATED {supported} OPTIONAL

]]

}

MeasAndMobParametersFR2-2-r17 ::= SEQUENCE {

handoverInterF-r17 ENUMERATED {supported} OPTIONAL,

handoverLTE-EPC-r17 ENUMERATED {supported} OPTIONAL,

handoverLTE-5GC-r17 ENUMERATED {supported} OPTIONAL,

idleInactiveNR-MeasReport-r17 ENUMERATED {supported} OPTIONAL,

...

}

-- TAG-MEASANDMOBPARAMETERS-STOP

-- ASN1STOP

Next Change

#### – *RLC-Parameters*

The IE *RLC-Parameters* is used to convey capabilities related to RLC.

*RLC-Parameters* information element

-- ASN1START

-- TAG-RLC-PARAMETERS-START

RLC-Parameters ::= SEQUENCE {

am-WithShortSN ENUMERATED {supported} OPTIONAL,

um-WithShortSN ENUMERATED {supported} OPTIONAL,

um-WithLongSN ENUMERATED {supported} OPTIONAL,

...,

[[

extendedT-PollRetransmit-r16 ENUMERATED {supported} OPTIONAL,

extendedT-StatusProhibit-r16 ENUMERATED {supported} OPTIONAL

]],

[[

am-WithLongSN-RedCap-r17 ENUMERATED {supported} OPTIONAL

]],

[[

am-WithLongSN-NCR-r18 ENUMERATED {supported} OPTIONAL

]],

[[

remainingTimeBasedRetransmission-r19 ENUMERATED {supported} OPTIONAL,

remainingTimeBasedPolling-r19 ENUMERATED {supported} OPTIONAL,

rxRLC-Discard-r19 ENUMERATED {supported} OPTIONAL,

txRLC-StopReTxDiscardedSDU-r19 ENUMERATED {supported} OPTIONAL

]]

}

-- TAG-RLC-PARAMETERS-STOP

-- ASN1STOP

End of Change