**3GPP TSG-RAN WG2 Meeting #121bis-e**

**Electronic meeting, 17 – 26 April 2023**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **Draft** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *For* [***HE******LP***](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)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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|  | | | | | | | | | | |
| ***Title:*** | Draft 38.306 CR for Rel-18 IDC UE capabilities | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_IDC\_enh-Core | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Introduce UE capabilities for Rel-18 IDC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | UE capabilities for Rel-18 IDC are defined. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | UE capabilities for Rel-18 IDC are not introduced. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 3.3, 4.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | | **X** |  | Other core specifications | | | | TS 38.331 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:*** | |  | | | | | | | | |

*First change*

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in TR 21.905 [1].

A-CSI Aperiodic-CSI

BAP Backhaul Adaptation Protocol

BC Band Combination

BPS Body Proximity Sensing

BT Bluetooth

CCS Cross Carrier Scheduling

CMR Channel Measurement Resource

CPAC Conditional PSCell Addition/Change

DAPS Dual Active Protocol Stack

DL Downlink

EHC Ethernet Header Compression

FS Feature Set

FSPC Feature Set Per Component-carrier

GSO Geosynchronous Orbit

HSDN High Speed Dedicated Network

IAB-MT Integrated Access Backhaul Mobile Termination

IDC In-Device Coexistence

MAC Medium Access Control

MHI Mobility History Information

MBS Multicast/Broadcast Service

MCG Master Cell Group

MN Master Node

MRB MBS Radio Bearer

MR-DC Multi-RAT Dual Connectivity

mTRP Multiple TRP

MUSIM Multi-Universal Subscriber Identity Module

NCJT Non-Coherent Joint Transmission

NCSG Network Controlled Small Gap

NGSO Non-Geosynchronous Orbit

NTN Non-Terrestrial Network

P-CSI Periodic CSI

PDCP Packet Data Convergence Protocol

QoE Quality of Experience

RLC Radio Link Control

RTT Round Trip Time

SCG Secondary Cell Group

SDAP Service Data Adaptation Protocol

SN Secondary Node

sTRP Serving TRP

TRP Transmit/Receive Point

UDC Uplink Data Compression

UL Uplink

WLAN Wireless Local Area Network

*Second change*

### 4.2.2 General parameters

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Definitions for parameters | Per | M | FDD-TDD DIFF | **FR1-FR2**  DIFF |
| ***accessStratumRelease***  Indicates the access stratum release the UE supports as specified in TS 38.331 [9]. | UE | Yes | No | No |
| ***delayBudgetReporting***  Indicates whether the UE supports delay budget reporting as specified in TS 38.331 [9]. | UE | No | No | No |
| ***dl-DedicatedMessageSegmentation-r16***  Indicates whether the UE supports reception of segmented DL RRC messages. | UE | No | No | No |
| ***drx-Preference-r16***  Indicates whether the UE supports providing its preference of a cell group on DRX parameters for power saving in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***gNB-SideRTT-BasedPDC-r17***  Indicates whether the UE supports gNB-side RTT-based PDC, as specified in TS 38.300 [28]. A UE supporting this feature shall also support *rtt-BasedPDC-CSI-RS-ForTracking-r17* and/or *rtt-BasedPDC-PRS-r17*. | UE | No | No | No |
| ***inactiveState***  Indicates whether the UE supports RRC\_INACTIVE as specified in TS 38.331 [9]. | UE | Yes | No | No |
| ***inactiveStateNTN-r17***  Indicates whether the UE supports RRC\_INACTIVE in NTN as specified in TS 38.331 [9]. It is mandated if the UE indicates the support of *nonTerrestrialNetwork-r17*. | UE | CY | No | No | |
| ***inactiveStatePO-Determination-r17***  Indicates whether the UE supports to use the same i\_s to determine PO in RRC\_INACTIVE state as in RRC\_IDLE state. | UE | No | No | No |
| ***inDeviceCoexInd-r16***  Indicates whether the UE supports IDC assistance information as specified in TS 38.331 [9]. | UE | No | No | No |
| ***inDeviceCoexIndAutonomousDenial-r18***  Indicates whether the UE supports IDC autonomous denial as specified in TS 38.331 [9]. A UE supporting this feature shall also support [*inDeviceCoexInd-r16* or *inDeviceCoexIndFDM-r18* or *inDeviceCoexIndTDM-r18*]. | UE | No | No | No |
| ***inDeviceCoexIndFDM-r18***  Indicates whether the UE supports the finer granularity report of affected frequencies in IDC assistance information as specified in TS 38.331 [9]. A UE supporting this feature shall also support [FFS]. | UE | No | No | No |
| ***inDeviceCoexIndTDM-r18***  Indicates whether the UE supports IDC TDM assistance information as specified in TS 38.331 [9]. A UE supporting this feature shall also support [FFS]. | UE | No | No | No |
| ***maxBW-Preference-r16, maxBW-Preference-r17***  Indicates whether the UE supports providing its preference of a cell group on the maximum aggregated bandwidth for power saving in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | Yes  (Incl FR2-2 DIFF) |
| ***maxCC-Preference-r16***  Indicates whether the UE supports providing its preference of a cell group on the maximum number of secondary component carriers for power saving in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***maxMIMO-LayerPreference-r16, maxMIMO-LayerPreference-r17***  Indicates whether the UE supports providing its preference of a cell group on the maximum number of MIMO layers for power saving in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | Yes  (Incl FR2-2 DIFF) |
| ***maxMRB-Add-r17***  Indicates the additional maximum number of MRBs that the UE supports for MBS multicast reception as specified in TS 38.331 [9]. | UE | No | No | No |
| ***mcgRLF-RecoveryViaSCG-r16***  Indicates whether the UE supports recovery from MCG RLF via split SRB1 (if supported) and via SRB3 (if supported) as specified in TS 38.331[9]. | UE | No | No | No |
| ***minSchedulingOffsetPreference-r16***  Indicates whether the UE supports providing its preference on the minimum scheduling offset for cross-slot scheduling of the cell group for power saving in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***mpsPriorityIndication-r16***  Indicates whether the UE supports *mpsPriorityIndication* on RRC release with redirect as defined in TS 38.331 [9]. | UE | No | No | No |
| ***musim-GapPreference-r17***  Indicates whether the UE supports providing MUSIM assistance information with MUSIM gap preference and related MUSIM gap configuration, as defined in TS 38.331 [9]. UE supporting this feature supports 3 periodic gaps and 1 aperiodic gap. | UE | No | No | No |
| ***musimLeaveConnected-r17***  Indicates whether the UE supports providing MUSIM assistance information with indication of leaving RRC\_CONNECTED state as defined in TS 38.331 [9]. | UE | No | No | No |
| ***nonTerrestrialNetwork-r17***  Indicates whether the UE supports NR NTN access. If the UE indicates this capability the UE shall support the following NTN essential features, e.g., timer extension in MAC/RLC/PDCP layers and RACH adaptation to handle long RTT, acquiring NTN specific SIB and more than one TAC per PLMN broadcast in one cell. | UE | No | No | No |
| ***ntn-ScenarioSupport-r17***  Indicates whether the UE supports the NTN features in GSO scenario or NGSO scenario. If a UE does not include this field but includes *nonTerrestrialNetwork-r17*, the UE supports the NTN features for both GSO and NGSO scenarios, and also supports mobility between GSO and NGSO scenarios. | UE | No | No | No |
| ***onDemandSIB-Connected-r16***  Indicates whether the UE supports the on-demand request procedure of SIB(s) or posSIB(s) while in RRC\_CONNECTED, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***overheatingInd***  Indicates whether the UE supports overheating assistance information. | UE | No | No | No |
| ***pei-SubgroupingSupportBandList-r17***  Indicates whether the UE supports receiving paging early indication in DCI format 2\_7 as specified in TS38.304 [21] for a list of frequency band. The UE shall support UEID based subgrouping for a frequency band if it indicates supporting of paging early indication reception for the frequency band. The set of OFDM symbols within a slot where UE can monitor the PEI PDCCH in Type 2A CSS is the same as the requirement for paging PDCCH in Type 2 CSS for IDLE and INACTIVE mode UEs. | UE | No | No | No |
| ***partialFR2-FallbackRX-Req***  Indicates whether the UE meets only a partial set of the UE minimum receiver requirements for the eligible FR2 fallback band combinations as defined in Clause 4.2 of TS 38.101-2 [3] and Clause 4.2 of TS 38.101-3 [4]. If not indicated, the UE shall meet all the UE minimum receiver requirements for all the FR2 fallback combinations in TS 38.101-2 [3] and TS 38.101-3 [4]. The UE shall support configuration of any of the FR2 fallback band combinations regardless of the presence or the absence of this field. | UE | No | No | No |
| ***ra-SDT-r17***  Indicates whether the UE supports transmission of data and/or signalling over allowed radio bearers in RRC\_INACTIVE state via Random Access procedure (i.e., RA-SDT) with 4-step RA type and if UE supports *twoStepRACH-r16,* with 2-step RA type, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***ra-SDT-NTN-r17***  Indicates whether the UE supports transmission of data and/or signalling over allowed radio bearers in RRC\_INACTIVE state in NTN via Random Access procedure (i.e., RA-SDT) with 4-step RA type and if UE supports *twoStepRACH-r16* for NTN*,* with 2-step RA type, as specified in TS 38.331 [9]. A UE supporting this feature shall also indicate the support of *nonTerrestrialNetwork-r17*. | UE | No | No | No | |
| ***redirectAtResumeByNAS-r16***  Indicates whether the UE supports reception of *redirectedCarrierInfo* in an *RRCRelease* message in response to an *RRCResumeRequest* or *RRCResumeRequest1* which is triggered by the NAS layer, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***reducedCP-Latency***  Indicates whether the UE supports reduced control plane latency as defined in TS 38.331 [9] | UE | No | No | No |
| ***referenceTimeProvision-r16***  Indicates whether the UE supports provision of referenceTimeInfo in *DLInformationTransfer* message and in SIB9 and reference time information preference indication via assistance information, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***releasePreference-r16***  Indicates whether the UE supports providing its preference assistance information to transition out of RRC\_CONNECTED for power saving, as specified in TS 38.331 [9]. | UE | No | No | No |
| ***resumeWithStoredMCG-SCells-r16***  Indicates whether the UE supports not deleting the stored MCG SCell configuration when initiating the resume procedure. | UE | No | No | No |
| ***resumeWithStoredSCG-r16***  Indicates whether the UE supports not deleting the stored SCG configuration when initiating resume. The UE which indicates support for *resumeWithStoredSCG-r16* shall also indicate support for *resumeWithSCG-Config-r16*. | UE | No | No | No |
| ***resumeWithSCG-Config-r16***  Indicates whether the UE supports (re-)configuration of an SCG during the resume procedure. | UE | No | No | No |
| ***sliceInfoforCellReselection-r17***  Indicates whether the UE supports slice-based cell reselection information in SIB and on RRC release for slice-based cell reselection in RRC \_IDLE and RRC INACTIVE as defined in TS 38.304 [21]. | UE | No | No | No |
| ***splitSRB-WithOneUL-Path***  Indicates whether the UE supports UL transmission via MCG path and DL reception via either MCG path or SCG path, as specified for the split SRB in TS 37.340 [7]. The UE shall not set the FDD/TDD specific fields for this capability (i.e. it shall not include this field in *UE-MRDC-CapabilityAddXDD-Mode*). | UE | No | No | No |
| ***splitDRB-withUL-Both-MCG-SCG***  Indicates whether the UE supports UL transmission via both MCG path and SCG path for the split DRB as specified in TS 37.340 [7]. The UE shall not set the FDD/TDD specific fields for this capability (i.e. it shall not include this field in *UE-MRDC-CapabilityAddXDD-Mode*). | UE | Yes | No | No |
| ***srb3***  Indicates whether the UE supports direct SRB between the SN and the UE as specified in TS 37.340 [7]. The UE shall not set the FDD/TDD specific fields for this capability (i.e. it shall not include this field in *UE-MRDC-CapabilityAddXDD-Mode*). This field is not applied to NE-DC. | UE | Yes | No | No |
| ***srb-SDT-NTN-r17***  Indicates whether the UE supports the usage of signalling radio bearer SRB2 over RA-SDT or CG-SDT in NTN, as specified in TS 38.331 [9].  A UE supporting this feature shall also indicate support of *ra-SDT-NTN-r17*, *or cg-SDT-r17* in NTN bands. A UE supporting this feature shall also indicate the support of *nonTerrestrialNetwork-r17*. | UE | No | No | No | |
| ***srb-SDT-r17***  Indicates whether the UE supports the usage of signalling radio bearer SRB2 over RA-SDT or CG-SDT, as specified in TS 38.331 [9].  A UE supporting this feature shall also indicate support of *ra-SDT-r17 or cg-SDT-r17*. | UE | No | No | No |
| ***ul-GapFR2-Pattern-r17***  Indicates FR2 UL gap pattern(s) supported by the UE for NR SA, for NR-DC without FR2-FR2 band combination, for NE-DC, and for (NG)EN-DC, if UE supports a band in FR2. The leading / leftmost bit (bit 0) corresponds to the FR2 UL gap pattern 0, the next bit corresponds to the FR2 UL gap pattern 1, as specified in TS 38.133 [5] and so on. The UE shall set at least one of the bits to 1 for FR2 UL gap pattern 1 and 3, if the UE indicates support for *ul-GapFR2-r17* in an FR2 band. | UE | CY | No | FR2 only |
| ***ul-RRC-Segmentation-r16***  Indicates whether the UE supports uplink RRC segmentation of *UECapabilityInformation* as specified in TS 38.331 [9]. | UE | No | No | No |

# Annex: RAN2 UE capability feature list

Currently there are no agreements regarding Rel-18 UE capability handling. The annex is provided to follow Rel-17 approach (as from the following agreements made in RAN2#116-e). RAN2 determined UE capabilities in the feature list format for TR 38.822 is included.

* Include an annex containing the RAN2 determined UE capabilities in the feature list format in the running UE capability CRs (similar to annex containing RAN2 agreements) for easy compilation into the TR38.822 in the later stage.
* For capabilities developed in R2, WIs will provide input to the mega CR.

### 5.2.24 TEI16 and Others

Table 5.2.24-1: Layer-2 and Layer-3 feature list for TEI16 and Others

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Features | Index | Feature group | Components | Prerequisite feature groups | Field name in TS 38.331 [2] | Parent IE in TS 38.331 [2] | Need of FDD/TDD differentiation | Need of FR1/FR2 differentiation | Note | Mandatory/Optional |
| 24. TEI16/Others | 24-1 | Secondary DRX group | Indicates whether UE supports secondary DRX group as specified in TS 38.321 [10]. |  | *secondaryDRX-Group-r16* | *MAC-ParametersXDD-Diff* | Yes | No |  | Optional with capability signalling |
| 24-2 | Increase number of CSI-RS resource | Indicates support of up to 192 CSI-RS resource for L3 mobility configuration per measurement object configured with *associatedSSB*. |  | *increasedNumberofCSIRSPerMO-r16* | *MeasAndMobParametersFRX-Diff* | No | Yes |  | Optional with capability signalling |
| 24-3 | Support of SMTC configuration of target SCG for PSCell addition and change | Indicates the support of configuration of SMTC of target SCG cell with field *targetCellSMTC-SCG*. |  | *targetSMTC-SCG-r16* | *Phy-ParametersCommon* | No | No |  | Optional with capability signalling |
| 24-4 | Support of on demand request procedure in RRC CONNECTED | Indicates whether the UE supports the on-demand request procedure of SIB(s) or posSIB(s) while in RRC\_CONNECTED, as specified in TS 38.331 [2]. |  | *onDemandSIB-Connected-r16* | *UE-NR-Capability-v1610* | No | No |  | Optional with capability signalling |
| 24-5 | P bit in single entry PHR MAC CE | Indicates whether UE supports the P bit in single PHR MAC CE as specified in TS 38.321 [10]. |  | *singlePHR-P-r16* | *MAC-ParametersCommon* | No | No |  | Optional with capability signalling |
| 24-6 | UE support of dynamic reporting of measurement gap requirement | Indicates whether the UE supports reporting the measurement gap requirement information for NR target in the UE response to a network configuration RRC message. |  | *nr-NeedForGap-Reporting-r16* | *MeasAndMobParametersCommon* | No | No |  | Optional with capability signalling |
| 24-7 | IDC | Indicates whether the UE supports IDC (In-Device Coexistence) assistance information as specified in TS 38.331 [2]. |  | *inDeviceCoexInd-r16* | *UE-NR-Capability-v1610* | No | No |  | Optional with capability signalling |
|  | 24-8 | Segmentation of DL RRC messages | Indicates whether the UE supports reception of segmented DL RRC messages. |  | dl-DedicatedMessageSegmentation-r16 | UE-NR-Capability-v1610 | No | No |  | Optional with capability signalling |
|  | 24-9 | Voice fallback to LTE EPC | Indicates whether the UE supports *voiceFallbackIndication* in *RRCRelease* and *MobilityFromNRCommand*. If this field is included, the UE shall support IMS voice over NR and IMS voice over E-UTRA via EPC. | *voiceOverNR* ***(0-5)*** | *voiceFallbackIndicationEPS-r16* | *IMS-ParametersCommon* | No | No |  | Optional with capability signalling |
|  | 24-10 | HO from NR to EN-DC | Indicates whether the UE supports inter-RAT handover from NR to EN-DC while NR-DC or NE-DC is not configured as defined in TS 36.306 [14]. It is mandated for UE support EN-DC. |  | *nr-HO-ToEN-DC-r16* | *EUTRA-ParametersCommon* | No | n/a |  | Conditional Mandatory with capability signalling for UE supporting EN-DC. |
|  | 24-11 | Periodic reporting of best neighouring cells | Defines whether the UE supports periodic reporting of best neighbour cells per serving frequency, as defined in TS 38.331 [2]. |  | *reportAddNeighMeasForPeriodic-r16* | *MeasAndMobParametersCommon* | No | No |  | Mandatory with capability signalling |
|  | 24-12 | Releasing SUL configuration | Release of the uplink configuration configured by *supplementaryUplink*. |  |  |  | n/a | N/A |  | Mandatory without capability signalling |
|  | 24-13 | Bit rate multiplier for recommended bit rate MAC CE | Indicates whether the UE supports the bit rate multiplier for recommended bit rate MAC CE as specified in TS 38.321 [10], clause 6.1.3.20. | *R2 3-7* | *recommendedBitRateMultiplier-r16* | *MAC-ParametersCommon* | No | No |  | Optional with capability signalling |
|  | 24-14 | Introduction of a second SMTC per frequency carrier in idle/inactive (smtc2-LP-r16 in SIB2/SIB4) | Introduction of a second SMTC (*smtc2-LP-r16*) per frequency carrier in idle/inactive in SIB2/SIB4 |  |  |  | n/a | n/a |  | Mandatory without capability signalling |
|  | 24-15 | Random access prioritization for MPS and MCS | It is optional for UE that is configured for MPS or MCS to support random access prioritization for Access Identity 1 or 2 as specified in TS 38.321 [10]. |  |  |  | n/a | n/a |  | Optional without capability signalling |
|  | 24-16 | skipUplinkTxCg-r16 | Indicates whether the UE supports skipping UL transmission for a configured uplink grant indicated on PDCCH only if no data is available for transmission and no UCI is multiplexed on the corresponding PUSCH of the uplink grant as specified in TS 38.321 [10]. |  | *enhancedSkipUplinkTxConfigured-r16* | *MAC-CellGroupConfig*  *MAC-ParametersXDD-Diff* | Yes | No |  | FFS if Mandatory with capability signalling |
|  | 24-17 | skipUplinkTxDynamic-r16 | Indicates whether the UE supports skipping UL transmission for a dynamic uplink grant indicated on PDCCH only if no data is available for transmission and no UCI is multiplexed on the corresponding PUSCH of the uplink grant as specified in TS 38.321 [10]. |  | *enhancedSkipUplinkTxDynamic-r16* | *MAC-CellGroupConfig*  *MAC-ParametersXDD-Diff* | Yes | No |  | FFS if Mandatory with capability signalling |
|  | 24-18 | eCall over IMS | It is optional for UE to support eCall over IMS as specified in TS 38.331 [2] |  |  |  | n/a | n/a |  | Optional without capability signalling |
|  | 24-19 | Access Category 1 selection assistance information enhancement | It is optional for UE that is configured for delay tolerant service to support Access Category 1 selection assistance information enhancement, according to *uac-AC1-SelectAssistInfo-r16* as specified in TS 38.331 [2]. |  |  |  | n/a | n/a |  | Optional without capability signalling |
|  | 24-20 | redirectAtResumeByNAS-r16 | Indicates whether the UE supports reception of redirectedCarrierInfo in an RRCRelease message in response to an RRCResumeRequest or RRCResumeRequest1 which is triggered by the NAS layer, as specified in TS 38.331 [2]. |  | *redirectAtResumeByNAS-r16* | *UE-NR-Capability-v1640* | No | No |  | Optional with capability signalling |
|  | 24-21 | MAC subheaders with one-octet eLCID field | It is mandatory to support MAC subheaders with one-octet eLCID field for UEs /IAB-MTs supporting MAC CEs using extended LCID values as specified in TS 38.321 [10]. |  |  |  | n/a | n/a |  | Conditional mandatory without capability signalling |
|  | 24-22 | Uplink RRC Segmentation | Indicates the UE supports uplink RRC segmentation of *UECapabilityInformation* as specified in TS 38.331 [2]. In this version of the specification, the absence of this parameter does not indicate the UE does not support uplink RRC segmentation of *UECapabilityInformation*. |  | *ul-RRC-Segmentation-r16* | *General Parameters* | n/a | n/a |  | Optional with capability signalling |
|  | 24-x | IDC autonomous denial | Indicates whether the UE supports IDC (In-Device Coexistence) autonomous denial as specified in TS 38.331 [2]. | [*inDeviceCoexInd-r16* or *inDeviceCoexIndFDM-r18* or *inDeviceCoexIndTDM-r18*] | *inDeviceCoexIndAutonomousDenial-r18* | *UE-NR-Capability-v18xy* | No | No |  | Optional with capability signalling |
|  | 24-y | IDC enhanced FDM | Indicates whether the UE supports the finer granularity report of affected frequencies in IDC (In-Device Coexistence) assistance information as specified in TS 38.331 [2]. | [FFS] | *inDeviceCoexIndFDM-r18* | *UE-NR-Capability-v18xy* | No | No |  | Optional with capability signalling |
|  | 24-z | IDC TDM | Indicates whether the UE supports IDC (In-Device Coexistence) TDM assistance information as specified in TS 38.331 [2]. | [FFS] | *inDeviceCoexIndTDM-r18* | *UE-NR-Capability-v18xy* | No | No |  | Optional with capability signalling |