**3GPP TSG-RAN WG2 Meeting #113-e *R2-2102289***

**Electronic, 25th January – 5th February 2021**

|  |
| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **36.306** | **CR** | **1805** | **rev** |  | **Current version:** | **16.3.0** |  |
|  |
| *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)*.* |
|  |

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

|  |
| --- |
|  |
| ***Title:***  | Inclusive Language Review for TS 36.306 |
|  |  |
| ***Source to WG:*** | Motorola Mobility (Rapporteur) |
| ***Source to TSG:*** | R2 |
|  |  |
| ***Work item code:*** | TEI17 |  | ***Date:*** | 2021-01-28 |
|  |  |  |  |  |
| ***Category:*** | **D** |  | ***Release:*** | Rel-17 |
|  | *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 canbe 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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | RAN#90 agreed to support the usage of inclusive language in 3GPP and suggested the replacement of related terms in 3GPP specifications which can be understood as offensive (RP-202179). |
|  |  |
| ***Summary of change:*** | * “whiteCellList” has been replaced by “allowedCellList”.
* “white-listed” has been replaced by “allow-listed”.
* “CSG Whitelist” has been replaced by “Permitted CSG list”.

**Impact analysis**Impacted functionality: This is an editorial CR.Inter-operability:There are no interoperability issues. |
|  |  |
| ***Consequences if not approved:*** | Problematic terms remain in the specification. |
|  |  |
| ***Clauses affected:*** | 4.3.6.14, 4.3.10.1, 4.3.10.2, 4.3.10.3 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  | **X** |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  | **X** |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

*Start of changes*

4.3.6 Measurement parameters

4.3.6.1 *interFreqNeedForGaps* and *interRAT-NeedForGaps*

These fields define for each supported E-UTRA band whether measurement gaps are required to perform inter-frequency measurements on each supported E-UTRA radio frequency band and inter-RAT measurements on each supported RAT/band combination. A UE also indicates for each band combination as in the supportedBandCombination whether measurement gaps are required to perform inter-frequency measurements on each supported E-UTRA radio frequency band and inter-RAT measurements on each supported RAT/band combination.

4.3.6.2 *rsrqMeasWideband*

This field defines whether the UE can perform RSRQ measurements in RRC\_IDLE and RRC\_CONNECTED with wider bandwidth as specified in TS 36.133 [16].

4.3.6.3 *timerT312-r12*

This field defines whether the UE supports T312 as specified in TS 36.331 [5].

4.3.6.4 *alternativeTimeToTrigger-r12*

This field defines whether the UE supports alternativeTimeToTrigger as specified in TS 36.331 [5].

4.3.6.5 *benefitsFromInterruption-r11*

This field indicates whether the UE power consumption could benefit from being allowed to cause interruptions to serving cells when performing measurements of deactivated SCell carriers for *measCycleSCell* of less than 640ms, as specified in TS 36.133 [16].

4.3.6.6 *incMonEUTRA-r12*

This field defines whether the UE supports increased number of E-UTRA carrier monitoring in RRC\_IDLE and RRC\_CONNECTED as specified in TS 36.133 [16], and whether the UE supports extended number of cell re-selection priorities for EUTRA frequencies in *RRCConnectionRelease*, as specified in TS 36.331 [5]. It is mandatory for UEs of this release of the specification, except for Category 0 and 1bis UEs.

A UE that supports increased number of E-UTRA carrier monitoring shall also support extended number of measurement identities.

4.3.6.7 *incMonUTRA-r12*

This field defines whether the UE supports increased number of UTRA carrier monitoring in RRC\_IDLE and RRC\_CONNECTED as specified in TS 36.133 [16].

A UE that supports increased number of UTRA carrier monitoring shall also support extended number of measurement identities.

4.3.6.8 *extendedMaxMeasId-r12*

This field defines whether the UE supports extended number of measurement identities as defined by *maxMeasId-r12* in TS 36.331 [5].

It is mandatory for UEs of this release of the specification if *incMonEUTRA-r12* or *incMonUTRA-r12* or *dc-Support-r12* or *extendedMaxObjectId-r13* is supported.

4.3.6.9 *crs-DiscoverySignalsMeas-r12*

This field defines whether the UE supports CRS based discovery signals measurement as specified in TS 36.331 [5], and PDSCH/EPDCCH RE mapping with zero power CSI-RS configured for discovery signals.

4.3.6.10 *csi-RS-DiscoverySignalsMeas-r12*

This field defines whether the UE supports CSI-RS based discovery signals measurement as specified in TS 36.331 [5]. A UE that supports this feature shall also support *crs-DiscoverySignalsMeas-r12*.

4.3.6.11 *extendedRSRQ-LowerRange-r12*

This field defines whether the UE supports the extended RSRQ lower value range from -34dB to -19.5dB in measurement configuration and reporting as specified in TS 36.133 [16].

4.3.6.12 *rsrq-OnAllSymbols-r12*

This field defines whether the UE supports the RSRQ measurement on all OFDM symbols as specified in TS 36.214 [23] and also the extended RSRQ upper value range from -3dB to 2.5dB in measurement configuration and reporting as specified in TS 36.133 [16]. If the UE supports *rsrq-OnAllSymbols-r12* and *rsrqMeasWideband* it shall also support the RSRQ measurement on all OFDM symbols with wider bandwidth.

4.3.6.13 *rs-SINR-Meas-r13*

This field defines whether the UE can perform RS-SINR measurements in RRC\_CONNECTED as specified in TS 36.214 [23].

4.3.6.14 *allowedCellList-r13*

This field defines whether the UE supports configuration and use of allow-listed cells as specified in TS 36.331 [5].

4.3.6.15 *extendedFreqPriorities-r13*

This field defines whether the UE supports extended E-UTRA frequency priorities as specified in TS 36.331 [5] and indicated by *cellReselectionSubPriority* field.

A UE supporting NR SA operation shall support extended E-UTRA frequency priorities and NR frequency priorities as specified in TS 36.331 [9] and indicated by *CellReselectionSubPriority* field.

4.3.6.16 *extendedMaxObjectId-r13*

This field defines whether the UE supports extended number of measurement object identities as defined by *maxObjectId-r13* in TS 36.331 [5]. The field is mandatory present for the UE supporting the configuration of *sCellToAddModListExt*. A UE indicating support of *extendedMaxObjectId-r13* shall also indicate the support of *extendedMaxMeasId-r12*.

4.3.6.17 *ul-PDCP-Delay-r13*

This field defines whether the UE supports UL PDCP Packet Delay per QCI measurement as specified in TS 36.314 [25]. A UE that supports the UL PDCP Delay measurement shall also support the measurement configuration and reporting as specified in TS 36.331 [5].

4.3.6.18 Void

4.3.6.19 *rssi-AndChannelOccupancyReporting-r13*

This field defines whether the UE supports measurement and reporting for RSSI and channel occupancy. This field is only applicable if the UE supports downlink LAA operation.

4.3.6.20 *multiBandInfoReport-r13*

This field defines whether the UE supports the acquisition and reporting of multi band information for *reportCGI* as specified in TS 36.331 [5].

4.3.6.21 Void

4.3.6.22 Void

4.3.6.23 *ceMeasurements-r14*

This field defines whether the UE supports intra-frequency RSRQ measurements and inter-frequency RSRP and RSRQ measurements in RRC\_CONNECTED, as specified in TS 36.133 [16], TS 36.304 [14] and TS 36.331 [5]. In this release of specification, it is mandatory for UEs of Category M1 and M2 and UEs that support coverage enhancements to support *ceMeasurements-r14*. A UE indicating support of *ceMeasurements-r14* shall also indicate support of *ce-ModeA-r13*.

4.3.6.24 *ncsg-r14*

This field defines whether the UE supports NCSG gap as specified in TS 36.133 [16]. If the UE supports *ncsg-r14* and asynchronous DC, the UE shall support NCSG Pattern Id 0, 1, 2 and 3. If the UE supports ncsg-r14 but the UE does not support asynchronous DC, only NCSG Pattern Id 0 and 1 shall be supported.

4.3.6.25 *perServingCellMeasurementGap-r14*

This field defines whether the UE supports per CC measurement gap as specified in TS 36.331 [5].

4.3.6.26 *shortMeasurementGap-r14*

This field defines whether the UE supports shorter measurement gap length (i.e. *gp2* and *gp3*) in LTE standalone as specified in TS 36.133 [16], and for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC as specified in TS38.133 [37].

4.3.6.27 *nonUniformGap-r14*

This field defines whether the UE supports measurement non uniform Pattern Id 1, 2, 3 and 4 in LTE standalone as specified in TS 36.133 [16].

4.3.6.28 *rlm-ReportSupport-r14*

This field defines whether the UE supports RLM event and information reporting as specified in TS 36.133 [16].

4.3.6.29 Void

4.3.6.30 *qoe-MeasReport-r15*

This field defines whether the UE supports QoE Measurement Collection for streaming services.

4.3.6.31 *ca-IdleModeMeasurements-r15*

This field defines whether the UE supports performing eNB-configured CRS-based RRM measurements for configured carrier(s) in RRC\_IDLE mode, including reporting them when requested by eNB while in RRC\_CONNECTED, as specified in TS 36.331 [5].

4.3.6.32 *ca-IdleModeValidityArea-r15*

This field defines whether the UE supports configuration of *validityArea* for performing eNB-configured CRS-based RRM measurements for configured carrier(s) in RRC\_IDLE mode, as specified in TS 36.331 [5]. A UE that supports this feature shall also indicate support of *ca-IdleModeMeasurements-r15*.

4.3.6.33 *qoe-MTSI-MeasReport-r15*

This field defines whether the UE supports QoE Measurement Collection for MTSI services.

4.3.6.34 *multipleCellsMeasExtension-r15*

This field defines whether the UE supports measurement reporting triggered based on a number of cells.It is mandatory to support this feature for UEs which have Aerial UE subscription as defined in TS 23.401 [18].

4.3.6.35 *heightMeas-r15*

This field defines whether the UE supports height-based measurement reporting as specified in TS 36.331 [5]. It is mandatory to support this feature for UEs which have Aerial UE subscription as defined in TS 23.401 [18].

4.3.6.36 *measGapPatterns-r15*

This field defines whether the UE that supports NR supports gap patterns 4 to 11 in LTE standalone as specified in TS 36.133 [16], and for independent measurement gap configuration on FR1 and per-UE gap in (NG)EN-DC as specified in TS38.133 [37].

4.3.6.37 *dl-ChannelQualityReporting-r16*

This field indicates whether the UE supports DL channel quality reporting of the configured carrier for FDD in RRC\_CONNECTED as specified in TS 36.321 [4]. This feature is only applicable if the UE supports any *ue-Category-NB*.

4.3.6.37a *ce-DL-ChannelQualityReporting-r16*

This field indicates whether the UE supports DL channel quality reporting of the serving cell when the UE is operating in coverage enhancement mode A or B in RRC\_CONNECTED as specified in TS 36.321 [4]. A UE indicating support of *ce-DL-ChannelQualityReporting-r16* shall also indicate support of *ce-ModeA-r13*.

4.3.6.38 *interRAT-NeedForGapsNR-r16*

This field defines for each supported E-UTRA band or band combination whether measurement gaps are required to perform SSB based inter-RAT measurements on each supported NR band.

4.3.6.39 *ce-MeasRSS-Dedicated-r16*

This field indicates whether the UE supports improved DL RSRP measurement accuracy through use of RSS in RRC\_CONNECTED, and whether the UE supports measurement of neighbour cell RSS in the same narrowband as the MPDCCH, when the UE is operating in coverage enhancement mode A or B as specified in 36.133 [16]. A UE indicating support of *ce-MeasRSS-Dedicated-r16* shall also support resynchronization signals as defined in 6.8.8.

4.3.6.39a *ce-MeasRSS-DedicatedSameRBs-r16*

This field indicates whether the UE supports improved DL RSRP measurement accuracy through use of RSS in RRC\_CONNECTED, and whether the UE supports measurement of neighbour cell RSS in the same 2-RBs as the serving cell RSS 2-RBs, when the UE is operating in coverage enhancement mode A or B as specified in 36.133 [16]. A UE indicating support of *ce-MeasRSS-Dedicated-r16* shall also support resynchronization signals as defined in 6.8.8. A UE indicating support of *ce-MeasRSS-DedicatedSameRBs-r16* shall not indicate support of *ce-MeasRSS-Dedicated-r16.*

4.3.6.40 *eutra-IdleInactiveMeasurements-r16*

This field defines whether the UE supports:

- (if the UE also indicates support of *inactiveState-r15*), performing eNB-configured CRS-based RRM measurements for configured carrier(s) in RRC\_INACTIVE, including reporting them when requested by the eNB while resuming from RRC\_INACTIVE or in RRC\_CONNECTED, as specified in TS 36.331 [5];

- (if the UE also indicates support of RRC connection suspension), reporting eNB-configured CRS-based RRM measurements for configured carrier(s) in RRC\_IDLE while resuming the RRC connection from RRC\_IDLE, as specified in TS 36.331 [5];

A UE that indicates support of this feature shall also indicate support of *ca-IdleModeMeasurements-r15*.

4.3.6.41 *nr-IdleInactiveMeasFR1-r16*

This field defines whether the UE supports performing eNB-configured SSB-based RRM measurements for configured NR FR1 carrier(s) in RRC\_IDLE and in RRC\_INACTIVE (if the UE also indicates support of *inactiveState-r15*), including reporting them when requested by the eNB while resuming from RRC\_IDLE/RRC\_INACTIVE or in RRC\_CONNECTED, as specified in TS 36.331 [5].

4.3.6.42 *nr-IdleInactiveMeasFR2-r16*

This field defines whether the UE supports performing eNB-configured SSB-based RRM measurements for configured NR FR2 carrier(s) in RRC\_IDLE and in RRC\_INACTIVE (if the UE also indicates support of *inactiveState-r15*), including reporting them when requested by the eNB while resuming from RRC\_IDLE/RRC\_INACTIVE or in RRC\_CONNECTED, as specified in TS 36.331 [5].

4.3.6.43 *idleInactiveValidityAreaList-r16*

This field defines whether the UE supports configuration of *validityAreaList-r16* for performing eNB-configured measurements for configured carrier(s) in RRC\_IDLE and in RRC\_INACTIVE (if the UE supports *inactiveState-r15*), as specified in TS 36.331 [5].

A UE that indicates support of this feature shall also indicate support of *eutra-IdleInactiveMeasurements-r16* or *nr-IdleInactiveMeasFR1-r16* or *nr-IdleInactiveMeasFR2-r16*.

4.3.6.44 *measGapPatterns-NRonly-r16*

This field indicates whether the UE supports gap patterns 2, 3 and 11 in LTE standalone when the frequencies to be measured within this measurement gap are all NR frequencies.

4.3.6.45 *measGapPatterns-NRonly-ENDC-r16*

This field indicates whether the UE supports gap patterns 2, 3 and 11 in (NG)EN-DC when the frequencies to be measured within this measurement gap are all NR frequencies.

4.3.6.46 *nr-IdleInactiveBeamMeasFR1-r16*

This field defines whether the UE supports performing eNB-configured SSB-based beam level RRM measurements for configured NR FR1 carrier(s) in RRC\_IDLE and in RRC\_INACTIVE (if the UE also indicates support of *inactiveState-r15*), including reporting them when requested by the eNB while resuming from RRC\_IDLE/RRC\_INACTIVE or in RRC\_CONNECTED, as specified in TS 36.331 [5].

A UE that supports this feature shall also support *nr-IdleInactiveMeasFR1-r16*.

4.3.6.47 *nr-IdleInactiveBeamMeasFR2-r16*

This field defines whether the UE supports performing eNB-configured SSB-based beam level RRM measurements for configured NR FR2 carrier(s) in RRC\_IDLE and in RRC\_INACTIVE (if the UE also indicates support of *inactiveState-r15*), including reporting them when requested by the eNB while resuming from RRC\_IDLE/RRC\_INACTIVE or in RRC\_CONNECTED, as specified in TS 36.331 [5].

A UE that supports this feature shall also support *nr-IdleInactiveMeasFR2-r16*.

*Next changes*

4.3.10 CSG Proximity Indication parameters

4.3.10.1 *intraFreqProximityIndication*

This parameter defines whether the UE supports proximity indication for intra-frequency E-UTRAN cells whose CSG Identities are in the UE's Permitted CSG list.

4.3.10.2 *interFreqProximityIndication*

This parameter defines whether the UE supports proximity indication for inter-frequency E-UTRAN cells whose CSG Identities are in the UE's Permitted CSG list.

4.3.10.3 *utran-ProximityIndication*

This parameter defines whether the UE supports proximity indication for UTRAN cells whose CSG IDs are in the UE's Permitted CSG list.

*End of changes*