**3GPP TSG-****RAN2 Meeting#118e R2-22xxxxx**

**May, 2022**

**Agenda Item:** XXX

**Source:** Ericsson

**Title:** NR Rel-17 38331 ASN.1 Review, Class 0 issues

**Document for:** Discussion and decision

# Guidelines

* This file is used to log NR 38331 ASN:1 Review Class 0.
  + **- Typo, minor wording improvement etc.**
  + **- ASN.1 field not following naming rules (e.g. incorrect suffix, capitalization, “-“, etc).**
* Fill in the columns, see example.
  + Make sure the inserted specification text is unique, such that the location of the issue is simple to find.
  + Avoid indicating duplicated issues by checking if the concerned specification text is already reported in the table.
  + Step the file name v(x) -> v(x+1) and upload to ftp server.
* The “status” column will be filled in by the ASN.1 review moderator.

# Class 0 issues

| **Issue** | **ASN1?**  **Y/N** | **Copied existing specification text.**  **Text should be unique, so that it can be easily found in the specification.**  **If needed, add also the new text.** | **Comment/description/**  **correction** | **Email address** | **Status** |
| --- | --- | --- | --- | --- | --- |
| Ex 1 | N  N | 2> derive the KUPint key associated with the *integrityProtAlgorithm* indicated in the SecurityModeCommand message, as specified in TS 33.501 [11]; | Missing italics. | hakan.l.palm@ericsson.com |  |
| Ex 2 | N | PUSCH scheduled by RAR UL grant (see 38.213 clause 8.3 and 38.214 clause 6.1.2.2) and uses interlaced PUCCH Format 0, 1, 2, and 3 for cell-specific PUCCH (see TS 38.213 [13], clause 9.2.1). | Incorrect reference, should be 9.2.101. | hakan.l.palm@ericsson.com |  |
| Ex 3 | Y | RbSetGroup, rbSetGroups | RB-SetGroup, rb-SetGroups | hakan.l.palm@ericsson.com |  |
| 4 | Y | UEAssistanceInformation-v1700-IEs ::= SEQUENCE {  ul-GapFR2-Preference-r17 UL-GapFR2-Preference-r17 OPTIONAL,  musim-Assistance-r17 MUSIM-Assistance-r17 OPTIONAL,  overheatingAssistance-r17 OverheatingAssistance-r17 OPTIONAL,  maxBW-PreferenceFR2-2-r17 MaxBW-PreferenceFR2-2-r17 OPTIONAL,  maxMIMO-LayerPreferenceFR2-2-r17 MaxMIMO-LayerPreferenceFR2-2-r17 OPTIONAL,  minSchedulingOffsetPreferenceExt-r17 MinSchedulingOffsetPreferenceExt-r17 OPTIONAL,  rlm-MeasRelaxationState-r17 BOOLEAN OPTIONAL,  bfd-MeasRelaxationState-r17 BIT STRING (SIZE (32)) OPTIONAL,  nonSDT-DataIndication-r17 SEQUENCE {  resumeCause-r17 ResumeCause OPTIONAL  } OPTIONAL,  scg-DeactivationPreference ENUMERATED { scgDeactivationPreferred, noPreferrence } OPTIONAL,  uplinkData-r17 ENUMERATED { true } OPTIONAL,  rrm-MeasRelaxationFulfilment-r17 BOOLEAN OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  } | The yellow should be replaced with "(maxNrofServingCells)" | Mattias.a.bergstrom@ericsson.com |  |
| 5 | Y | SIB12-IEs-r16 ::= SEQUENCE {  sl-ConfigCommonNR-r16 SL-ConfigCommonNR-r16,  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...,  [[  sl-DRX-ConfigCommon-GC-BC-r17 SL-DRX-Config-GC-BC-r17 OPTIONAL, -- Need R  sl-DiscConfigCommon-r17 SL-DiscConfigCommon-r17 OPTIONAL, -- Need R  sl-L2U2N-Relay ENUMERATED {support} OPTIONAL, -- Need R  sl-NonRelayDiscovery ENUMERATED {support} OPTIONAL, -- Need R  sl-L3U2N-RelayDiscovery ENUMERATED {support} OPTIONAL -- Need R  ]]  } | "support" here should be "enabled". Usually we talk about what the gNB has enabled/disabled not what the gNB supports/doesn't support. For example, the gNB may support these features but the operator has not enabled the feature (e.g. at the moment). | Mattias.a.bergstrom@ericsson.com |  |
| 6 | N | In 5.3.7.2  2> if the PC5-RRC connection with the U2N Relay UE is determined to be released:  3> perform the PC5-RRC connection release as specified in 5.8.9.5;  3>perform either cell selection in accordance with the cell selection process as specified in TS 38.304 [20], or relay selection as specified in clause 5.8.x3.3, or both;  2> else maintain the PC5 RRC connection and stop T311 if running; | The else branch should be split into two levels for condition and operation  2> else  3> maintain the PC5 RRC connection and stop T311 if running; | qianxi.lu@oppo.com |  |
| 7 | N | In 5.3.13.6  1> else if cell selection or reselection occurs while T390 is running, or cell change due to relay selection or reselection occurs while T390 is running:  2> stop T390 for all access categories;  2> perform the actions as specified in 5.3.14.4. | It would be clearer if split the long else-if into two-level condition as follows  1> else  2> if cell selection or reselection occurs while T390 is running, or  2> if cell change due to relay selection or reselection occurs while T390 is running:  3> stop T390 for all access categories;  3> perform the actions as specified in 5.3.14.4. | qianxi.lu@oppo.com |  |
| 8 | N | In 5.5.5.1  5> else:  6> include the applicable cells for which the new measurement results became available since the last periodical reporting or since the measurement was initiated or reset; | Indentation error  5> else:  6> include the applicable cells for which the new measurement results became available since the last periodical reporting or since the measurement was initiated or reset; | qianxi.lu@oppo.com |  |
| 9 | N | In 5.8.15.3  NOTE 2: If multiple suitable candidate Relay UEs which meet all AS-layer & higher layer criteria are available, it is up to Remote UE implementation to choose one Relay UE. The details of the interaction with upper layers are up to UE implementation. | Suggest to change & to and  NOTE 2: If multiple suitable candidate Relay UEs which meet all AS-layer and higher layer criteria are available, it is up to Remote UE implementation to choose one Relay UE. The details of the interaction with upper layers are up to UE implementation. | qianxi.lu@oppo.com |  |
| 10 | N | In 5.8.9.7.2,  Upon PC5-RRC connection is established between the L2 U2N Relay UE and L2 U2N Relay UE, the L2 U2N Relay UE shall: | One of the relay UE should be remote UE, i.e., to correct the typo  Upon PC5-RRC connection is established between the L2 U2N Remote UE and L2 U2N Relay UE, the L2 U2N Relay UE shall: | qianxi.lu@oppo.com |  |
| 11 | Y | *– DRX-ConfigSL*  The IE *DRX-ConfigSL* is used to configure additional DRX parameters for the UE performing sidelink operation with resource allocation mode 1, as specified in TS 38.321 [3].  ***DRX-ConfigSL information element***  -- ASN1START  -- TAG-DRX-CONFIGSL-START  DRX-ConfigSL ::= SEQUENCE {  drx-HARQ-RTT-TimerSL INTEGER (0..56),  drx-RetransmissionTimerSL ENUMERATED {sl0, sl1, sl2, sl4, sl6, sl8, sl16, sl24, sl33, sl40, sl64, sl80, sl96, sl112, sl128, sl160,  sl320, spare15, spare14, spare13, spare12, spare11, spare10, spare9, spare8, spare7, spare6,  spare5, spare4, spare3, spare2, spare1}  }  -- TAG-DRX-CONFIGSL-STOP  -- ASN1STOP   |  | | --- | | ***DRX-ConfigSL field descriptions*** | | ***drx-HARQ-RTT-TimerSL***  Value in number of symbols of the BWP where the PDCCH was transmitted. | | ***drx-RetransmissionTimerSL***  Value in number of slot lengths of the BWP where the PDCCH was transmitted. *sl0* corresponds to 0 slots, *sl1* corresponds to 1 slot, *sl2* corresponds to 2 slots, and so on. | | Missing -r17 suffix for the following IEs  ***DRX-ConfigSL information element***  -- ASN1START  -- TAG-DRX-CONFIGSL-START  DRX-ConfigSL ::= SEQUENCE {  drx-HARQ-RTT-TimerSL INTEGER (0..56),  drx-RetransmissionTimerSL ENUMERATED {sl0, sl1, sl2, sl4, sl6, sl8, sl16, sl24, sl33, sl40, sl64, sl80, sl96, sl112, sl128, sl160,  sl320, spare15, spare14, spare13, spare12, spare11, spare10, spare9, spare8, spare7, spare6,  spare5, spare4, spare3, spare2, spare1}  }  -- TAG-DRX-CONFIGSL-STOP  -- ASN1STOP | qianxi.lu@oppo.com |  |
| 12 | Y | RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- L2U2NRelay  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  } | Missing “-”  (this error is applicable to all places for the IE definition and usage) | qianxi.lu@oppo.com |  |
| 13 | N | In 5.8.9.8.2  When entering RRC\_CONNECTED, if L2 U2N remote UE had send *sl-Requested-SI-List* and *sl-PagingInfo-RemoteUE,* the L2 U2N Remote UE shall: | send => sent | qianxi.lu@oppo.com |  |
| 14 | N | In 5.3.5.16.2  The L2 U2N Relay UE shall:  1> if the release is triggered by reception of the *sl-RemoteUE-ToReleaseList*:  2> for each *sl-L2Identity-Remote* value included in the *sl-RemoteUE-ToReleaseList*:  3> if the current UE has a PC5 RRC connection to a L2 U2N Remote UE with *sl-L2Identity-Remote*:  4> perform the PC5-RRC connection release as specified in 5.8.9.5. | For the level-1 condition, since the only place that this sub-clause is called is as follows  1> if the *sl-L2RelayUEConfig* contains the *sl-RemoteUE-ToReleaseList*:  2> perform the L2 U2N Remote UE release as specified in 5.3.5.16.2;  There is no need to further check the condition of “if the release is triggered by reception of the *sl-RemoteUE-ToReleaseList*”, so can be removed. | qianxi.lu@oppo.com |  |
| 15 | N | In 5.5.4.17  ***Thresh2*** is the threshold parameter for this event (i.e. *y1-Threshold2-Relay* as defined within *reportConfigInterRAT* for this even) | even=>event | xuhao@catt.cn |  |
| 16 | N | In 5.5.5.1  1> if there is at least one applicable neighbouring cell to report:  2> if the *reportType* is set to *eventTriggered* or *periodical*:  3> if the measurement report concerns the candidate L2 U2N Relay UE:  4> set the *sl-MeasResultCandRelay* to include the best candidate L2 U2N Relay UEs up to *maxReportCells* in accordance with the following: | Missing “s”  *sl-MeasResultsCandRelay* | xuhao@catt.cn |  |
| 17 | N | In 5.5.5.1  1> if there is at least one applicable neighbouring cell to report: | In agreed R2-2204226, candidate L2 U2N Relay UE was included:   1. if there is at least one applicable neighbouring cell/candidate L2 U2N Relay UEs to report.   But in TS 38.300, candidate L2 U2N Relay UE is missing.  Further, “/” should be clarify to or, and candidate L2 U2N Relay UEs should be candidate L2 U2N Relay UE.  Suggest to change to:  1> if there is at least one applicable neighbouring cell or candidate L2 U2N Relay UE to report: | xuhao@catt.cn |  |
| 18 | N | In 5.5.5.1  3> for each L2 U2N Relay UE that is included in the *sl-MeasResultsCandRelay*, include the *sl-RelayUEIdentity*; | All NCGIs(in ASN.1 the IE is *cellIdentity*) should be included besides *sl-RelayUEIdentity.*  Suggest to change to:  3> for each L2 U2N Relay UE that is included in the *sl-MeasResultsCandRelay*, include the *sl-RelayUEIdentity and it’s cellIdentity*; | xuhao@catt.cn |  |
| 19 | N | In 5.5.5.2  2> for a candidate L2 U2N Relay UE, consider the y*N-Threshold2-Relay* as the sorting quantity; | It should be clarify to “y*1-Threshold2-Relay”* | xuhao@catt.cn |  |
| 20 | Y | ***y-Threshold1***  NR threshold to be used in measurement report triggering condition for event Y. | ***y1-Threshold1*** is only used for event Y1.  Suggest to change to:  ***y1-Threshold1***  NR threshold to be used in measurement report triggering condition for event Y1. | xuhao@catt.cn |  |
| 21 | Y | ***y-Threshold2-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event number Y. | ***y1-Threshold2-Relay*** is only used for event Y1.  Suggest to change to:  ***y1-Threshold2-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event Y1. | xuhao@catt.cn |  |
| 22 | Y | Absent field description of y2-Threshold-Relay | Suggest to add field description of y2-Threshold-Relay:  ***y2-Threshold-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event Y2. | xuhao@catt.cn |  |
| 23 | Y | ***xN-ThresholdM***  Threshold value associated to the selected trigger quantity (e.g. RSRP, RSRQ, SINR) per RS Type (e.g. SS/PBCH block, CSI-RS) to be used in NR measurement report triggering condition for event xN. If multiple thresholds are defined for event number xN, the thresholds are differentiated by M. x1-Threshold1 and x2-Threshold indicates the threshold value for the serving L2 U2N Relay UE, x1-Threshold2 indicates the threshold value for the NR Cells. | Suggest to use separate field descriptions for x1-Threshold1-Relay, x1-Threshold2 and x2-Threshold-Relay.  ***x1-Threshold1-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event X1.  ***x1-Threshold2***  NR threshold to be used in measurement report triggering condition for event X1.  ***X2-Threshold-Relay***  L2 U2N Relay threshold value associated with the selected trigger quantity (i.e. RSRP) to be used in measurement report triggering condition for event X2. | xuhao@catt.cn |  |
| 24 | N | In 5.8.1  For U2N Relay operation, one sidelink SRB (i.e. SL-SRB4) is used to transmit/receive the NR sidelink discovery messages. | Since for the other SL-SRB, only transmit is mentioned, hence it had better align the description for all SL-SRBs:  For U2N Relay operation, one sidelink SRB (i.e. SL-SRB4) is used to transmit~~/receive~~ the NR sidelink discovery messages. | xuhao@catt.cn |  |
| 25 | N | In 5.8.9.7.2  For each *sl-RLC-ChannelID-PC5* received in the *sl-RLC-ChannelToAddModList-PC5* IE the UE shall:  1> if the current configuration contains a sidelink RLC bearer with the received *sl-RLC-ChannelID-PC5*:  2> reconfigure the sidelink RLC entity or entities in accordance with the received *sl-RLC-ConfigPC5*;  2> reconfigure the sidelink logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*;  1> else (a PC5 Relay RLC channel with the received *sl-RLC-ChannelID-PC5* was not configured before):  2> establish an sidelink RLC entity in accordance with the received *sl-RLC-ConfigPC5*;  2> configure the sidelink MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*. | The descriptions marked with yellow are not aligned. In addition, in our understanding, the sidelink and Uu shares the same MAC entity, it is not proper to use “sidelink MAC entity”.  For each *sl-RLC-ChannelID-PC5* received in the *sl-RLC-ChannelToAddModList-PC5* IE the UE shall:  1> if the current configuration contains a sidelink RLC bearer with the received *sl-RLC-ChannelID-PC5*:  2> reconfigure the sidelink RLC entity or entities in accordance with the received *sl-RLC-ConfigPC5*;  2> reconfigure the sidelink MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*;  1> else (a PC5 Relay RLC channel with the received *sl-RLC-ChannelID-PC5* was not configured before):  2> establish an sidelink RLC entity in accordance with the received *sl-RLC-ConfigPC5*;  2> configure the ~~sidelink~~ MAC entity with a logical channel in accordance with the received *sl-MAC-LogicalChannelConfigPC5*. | xuhao@catt.cn |  |
| 26 | N | In 5.8.13.2  2> else if the cell chosen for NR sidelink discovery reception provides *SIB12*:  3> if *sl-DiscRxPool* for NR sidelink is included in *SIB12*:  4> configure lower layers to monitor sidelink control information and the corresponding data using the resource pool indicated by *sl-DiscRxPoo* for NR sidelink discovery reception *in SIB12*; | *sl-DiscRxPoo=> sl-DiscRxPool* | xuhao@catt.cn |  |
| 27 | N | In 5.8.15.1  This procedure is used by a UE supporting NR sidelink U2N Remote UE operationconfigured by upper layers to receive/ transmit NR sidelink discovery message to evaluate AS layer conditions. | Lack of space  This procedure is used by a UE supporting NR sidelink U2N Remote UE operation configured by upper layers to receive/ transmit NR sidelink discovery message to evaluate AS layer conditions. | xuhao@catt.cn |  |
| 28 | *Y* | In 6.2.2  RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- L2U2NRelay  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  }   |  |  | | --- | --- | | *L2RelayUE* | For L2 U2N Relay UE, the field is optionally present, Need M. Otherwise, it is absent. | | *L2RemoteUE* | The field is optional present for L2 U2N Remote UE, need M; otherwise it is absent. | | *L2U2NRelay* | For L2 U2N Relay UE, the field is optionally present, Need N. Otherwise, it is absent. | | For L2 U2N relay, there are two different descriptions ” L2RelayUE” and ” L2U2NRelay”, it had better align it.  RRCReconfiguration-v1700-IEs ::= SEQUENCE {  otherConfig-v1700 OtherConfig-v1700 OPTIONAL, -- Need M  ul-GapFR2-Config-r17 SetupRelease { UL-GapFR2-Config-r17 } OPTIONAL, -- Need M  sl-L2RelayUEConfig-r17 SetupRelease { SL-L2RelayUEConfig-r17 } OPTIONAL, -- Cond L2RelayUE  sl-L2RemoteUEConfig-r17 SetupRelease { SL-L2RemoteUEConfig-r17 } OPTIONAL, -- Cond L2RemoteUE  dedicatedPagingDelivery-r17 OCTET STRING (CONTAINING Paging) OPTIONAL, -- Cond L2~~U2N~~RelayUE  needForNCSG-ConfigNR-r17 SetupRelease {NeedForNCSG-ConfigNR-r17} OPTIONAL, -- Need M  needForNCSG-ConfigEUTRA-r17 SetupRelease {NeedForNCSG-ConfigEUTRA-r17} OPTIONAL, -- Need M  musim-GapConfig-r17 SetupRelease {MUSIM-GapConfig-r17} OPTIONAL, -- Need M  scg-State-r17 ENUMERATED { deactivated } OPTIONAL, -- Need S  appLayerMeasConfig-r17 AppLayerMeasConfig-r17 OPTIONAL, -- Need M  nonCriticalExtension SEQUENCE {} OPTIONAL  }   |  |  | | --- | --- | | *L2RelayUE* | For L2 U2N Relay UE, the field is optionally present, Need M. Otherwise, it is absent. | | *L2RemoteUE* | The field is optional present for L2 U2N Remote UE, need M; otherwise it is absent. | | *~~L2U2NRelay~~* | ~~For L2 U2N Relay UE, the field is optionally present, Need N. Otherwise, it is absent.~~ | | xuhao@catt.cn |  |
| 29 | Y | In 6.2.2  ***dedicatedPagingDelivery***  This field is used to transfer *Paging* message to the L2 Relay UE in RRC\_CONNECTED. | It had better clarify that the paging message is belonging to remote UE.  ***dedicatedPagingDelivery***  This field is used to transfer *Paging* message of remote UE to the L2 Relay UE in RRC\_CONNECTED. | xuhao@catt.cn |  |
| 30 | *N* | 1> if and only if upper layers indicate to stop performing location measurements towards E-UTRA or NR or stop subframe and slot timing detection towards E-UTRA and *preConfigGapID* is not activated:  2> initiate the procedure to indicate stop.  NOTE 2: The UE may initiate the procedure to indicate stop even if it did not previously initiate the procedure to indicate start.  1> if *preConfigGapID* is activated:  2> if a request from upper layers to transmit either a new *preConfigGapID* or to modify the current *measGapConfig* is received; or  2> if a request from upper layers indicate that the current gap is not needed:  3> trigger the lower layers to deactivate the current active measurement gap as specified in TS 38.321 [6]; | Incorrect punctuation.  The first highlighted one should be a semicolon and the second highlighted one should be a full stop. | panxiang@vivo.com |  |
| 31 | *N* | Figure 5.7.14.1-1: UE Positioning Assistance Information procedure | The procedure of RRC reconfiguration should be bidirectional to align with that in Figure 5.7.4.1-1: UE Assistance Information | panxiang@vivo.com |  |
| 32 | *Y* | SRS for positioning confifuration during RRC\_INACTIVE State. | Typo  Confifuration -> configuration | panxiang@vivo.com |  |
| 33 | *Y* | The aperiodic SRS is not applicable for the UE in RRC\_INACTIVE | Missing full stop. | panxiang@vivo.com |  |
| 34 | *N* | if transmission of the UEPositioningAssistanceInfo message is initiated to provide the association between UL SRS Resource for positioning and Tx TEG according to 5.X.2.2; | Incorrect reference, should be 5.7.14.2 | panxiang@vivo.com |  |
| 35 | *N* | Figure 5.7.15.1-1: SRS For Positioning Configuration in RRC INACTIVE Mode | Missing “\_” | panxiang@vivo.com |  |
| 36 | *Y* | Configures the periodicty of UE reporting for the association between Tx TEG and SRS Positioning resources. When configured with *oneShot* UE reports the association only one time. When configured with *periodicReporting* value ms120 means the UE reports every 120ms, ms240 means UE reports every 240ms and so on. | Missing italics. | panxiang@vivo.com |  |
| 37 | *Y* | In 6.2.2  UEAssistanceInformation-v17xy-IEs ::= SEQUENCE {  scg-DeactivationPreference ENUMERATED { scgDeactivationPreferred, noPreferrence } OPTIONAL,  uplinkData-r17 ENUMERATED { true } OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  } | The codepoint marked in yellow is not aligned with the one used in the corresponding procedure, i.e., *scgDeactivationNotPreferred*. | wenjuan.pu@vivo.com |  |
| 38 | *Y* | In 6.3.2  ***deactivated-SCG-Config***  Configuration applicable when the SCG is deactivated. The network always configures this field before or when indicating that the SCG is deactivated in an *RRCReconfiguration*, *RRCResume*, E-UTRA *RRCConnectionReconfiguration* or E-UTRA *RRCConnectionResume* message. | “***deactivated-SCG-Config***” should be “***deactivatedSCG-Config***” | wenjuan.pu@vivo.com |  |
| 39 | *N* | In 5.7.4.2  A UE capable of providing its preference for SCG deactivation may initiated the procedure if it was configured to do so, upon determining that it prefers or does no more prefer the SCG to be deactivated. | “initiated” should be “initiate” | wenjuan.pu@vivo.com |  |
| 40 | N | In 5.8.3.3  if the UE initiates the procedure to indicate it is (no more) interested to receive NR sidelink communication or to request (configuration/ release) of NR sidelink communication transmission resources or to report to the network that a sidelink radio link failure or sidelink RRC reconfiguration failure has been declared or to report to the network the sidelink DRX configuration for NR sidelink unicast communication or to report to the network the sidelink DRX assistance information for NR sidelink unicast communication or to report the Destination Layer-2 ID and QoS profile associated with its interested services that sidelink DRX is applied for NR sidelink groupcast or broadcast communication or to indicate it is (no more) interested to receive NR sidelink discovery announcements or to request (configuration/ release) of NR sidelink discovery announcements transmission resources or to request (configuration/ release) of NR sidelink U2N relay communication transmission resources (i.e. UE includes all concerned information, irrespective of what triggered the procedure): | To align the description of “report to the network” to other case in this sentence, the network needs to be added.  if the UE initiates the procedure to indicate it is (no more) interested to receive NR sidelink communication or to request (configuration/ release) of NR sidelink communication transmission resources or to report to the network that a sidelink radio link failure or sidelink RRC reconfiguration failure has been declared or to report to the network the sidelink DRX configuration for NR sidelink unicast communication or to report to the network the sidelink DRX assistance information for NR sidelink unicast communication or to report to the network the Destination Layer-2 ID and QoS profile associated with its interested services that sidelink DRX is applied for NR sidelink groupcast or broadcast communication or to indicate it is (no more) interested to receive NR sidelink discovery announcements or to request (configuration/ release) of NR sidelink discovery announcements transmission resources or to request (configuration/ release) of NR sidelink U2N relay communication transmission resources (i.e. UE includes all concerned information, irrespective of what triggered the procedure): | shijie@catt.cn |  |
| 41 | N | In 5.8.8  NOTE 3: It is up to UE implementation to determines which one resource allocation scheme is used in the AS based on UE capability (for a UE in RRC\_IDLE/RRC\_INACTIVE) and the allowed resource schemes *sl-allowedResourceSelectionConfig* in the resource pool configuration. | Some wording is not right for “to determines which one resource allocation scheme”  to determine~~s~~ which ~~one~~ resource allocation scheme is used… | shijie@catt.cn |  |
| 42 | N | In 5.8.9.6.3  NOTE: When UE determines the sidelink DRX configuration for its peer UE, it may take the sidelink DRX assistance information that is received from its peer UE into account. | Form the view of general wording, “that is” is better to be deleted.  it may take the sidelink DRX assistance information ~~that is~~ received from its peer UE into account. | shijie@catt.cn |  |
| 43 | N | In 6.2.2  ***sl-LatencyBoundCSI-Report***  Indicate the latency bound of SL CSI report from the associated SL CSI triggering in terms of number of slots.  ***sl-LatencyBoundIUC-Report***  Indicates the latency bound of SL Inter-UE coordination report from the associated SL Inter-UE coordination explicit request triggering in terms of number of slots. | the field description of sl-LatencyBoundCSI-Report use the word “indicates”, but the field description of sl-LatencyBoundIUC-Report  Uses the word “indicate”, they should be aligned.  ***sl-LatencyBoundCSI-Report***  Indicates the latency bound of SL CSI report from the associated SL CSI triggering in terms of number of slots. | shijie@catt.cn |  |
| 44 | N | In 6.3.1, SIB17:  SIB17-IEs-r17 ::= SEQUENCE {  trs-ResouceSetConfig-r17 SEQUENCE (SIZE (1..maxNrofTRS-ResourceSets-r17)) OF TRS-ResourceSet-r17 OPTIONAL, -- Need R  validityDuration-r17 ENUMERATED {t1, t2, t4, t8, t16, t32, t64, t128, t256, t512, spare6, spare5, spare4, spare3, spare2,  spare1} OPTIONAL, -- Need S  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...  }  And in the field description table:  ***trs-ResouceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), … | Typo: “r” is missing to trs-ResouceSetConfig-r17:  SIB17-IEs-r17 ::= SEQUENCE {  trs-ResourceSetConfig-r17 SEQUENCE (SIZE (1..maxNrofTRS-ResourceSets-r17)) OF TRS-ResourceSet-r17 OPTIONAL, -- Need R  validityDuration-r17 ENUMERATED {t1, t2, t4, t8, t16, t32, t64, t128, t256, t512, spare6, spare5, spare4, spare3, spare2,  spare1} OPTIONAL, -- Need S  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...  }  And in the field description table:  ***trs-ResourceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), | pierrebertrand@catt.cn |  |
| 45 | N | In 6.3.1, field description of SIB17:  ***trs-ResouceSetConfig***  RS configuration of TRS occasion(s) for idle/inactive UE(s), in terms of a list of N>=1 NZP TRS resource set(s). The maximum number of TRS resource sets configured by higher layer is 64. If a TRS resource is configured, the L1 based availability indication is always enabled based on that configuration. A UE which acquired SIB-X with a TRS configuration but did not yet receive an associated L1-based availability indication considers the configured TRS as unavailable. | The font color of the last sentence needs to be updated. | pierrebertrand@catt.cn |  |
| 46 | N | In 6.3.1, field descriptions of SIB17:  ***TRS-ResourceSet***  Common configuration parameters for the TRS resource set. | We don’t need to add the field description for *TRS-ResourceSet* as it is an IE, not a field. It should be removed. | pierrebertrand@catt.cn |  |
| 47 | N | In 6.3.2, field descriptions of *SCellConfig*:  ***goodServingCellEvaluationBFD***  ***I***ndicates the criterion for a UE to detect the good serving cell quality for BFD relaxation in an SCell in RRC\_CONNECTED. | Typo. Change as follows:  ***goodServingCellEvaluationBFD***  Indicates the criterion for a UE to detect the good serving cell quality for BFD relaxation in an SCell in RRC\_CONNECTED. | pierrebertrand@catt.cn |  |
| 48 | N | In 6.3.2, some typos in *PEI-Config* field descriptions.  ***firstPDCCH-MonitoringOccasionOfPEI-O***  Offset, in number of symbols, from the start of the reference frame for PEI-O to the start of the first PDCCH monitoring occasion of PEI-O, see TS 38.213 [13], clause 10.4A. For the case *po-NumPerPEI* is smaller than Ns, UE applies the (floor(i\_s/poNumPerPEI)+1)-th value out of (N\_s/po-NumPerPEI) configured values in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset. When *po-NumPerPEI* is one or mutliple of Ns, UE applies the first configured value in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset.  **pei-SearchSpace**  ID of dedicated search space for PEI. It can be configured to one of up to 4 common SS sets configured by *commonSearchSpaceList* with *SearchSpaceId* > 0. The CCE aggregation levels and maximum number of PDCCH candidates per CCE aggregation level follows Table 10.1-1 of TS38.213 [13]. SearchSpaceId = 0 can be configured for the case of SS/PBCH block and CORESET multiplexing pattern 2 or 3.  **po-NumPerPEI**  The number of PO(s) associated **with** one PEI monitoring occation. It is a factor of N x Ns (total PO number in a paging cycle). The Maximum number of PF associated with one PEI monitoring occation is up to 2. The number of PO mapping to one PEI should be multiple of Ns when po-NumPerPEI is larger than Ns. | Extra space character, italics fonts, etc. Change as follows:  ***firstPDCCH-MonitoringOccasionOfPEI-O***  Offset, in number of symbols, from the start of the reference frame for PEI-O to the start of the first PDCCH monitoring occasion of PEI-O, see TS 38.213 [13], clause 10.4A. For the case *po-NumPerPEI* is smaller than Ns, UE applies the (floor(i\_s/poNumPerPEI)+1)-th value out of (N\_s/po-NumPerPEI) configured values in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset. When *po-NumPerPEI* is one or mutliple of Ns, UE applies the first configured value in *firstPDCCH-MonitoringOccasionOfPEI-O* for the symbol-level offset.  ***pei-SearchSpace***  ID of dedicated search space for PEI. It can be configured to one of up to 4 common SS sets configured by *commonSearchSpaceList* with *SearchSpaceId* > 0. The CCE aggregation levels and maximum number of PDCCH candidates per CCE aggregation level follows Table 10.1-1 of TS38.213 [13]. *SearchSpaceId* = 0 can be configured for the case of SS/PBCH block and CORESET multiplexing pattern 2 or 3.  ***po-NumPerPEI***  The number of PO(s) associated with one PEI monitoring occation. It is a factor of N x Ns (total PO number in a paging cycle). The Maximum number of PF associated with one PEI monitoring occation is up to 2. The number of PO mapping to one PEI should be multiple of Ns when *po-NumPerPEI* is larger than Ns. | pierrebertrand@catt.cn |  |
| 49 | Y | In 6.3.2, typo in the IE SearchSpace  [[  dci-Format2-7-r17 SEQUENCE {  nrofCandidates-PEI-r17 SEQUENCE {  aggregationLevel4-r17 ENUMERATED {n0, n1, n2, n3, n4} OPTIONAL, -- Need R  aggregationLevel8-r17 ENUMERATED {n0,n1, n2} OPTIONAL, -- Need R  aggregationLevel16-r17 ENUMERATED {n0, n1} OPTIONAL -- Need R  },  ...  } OPTIONAL -- Need R  ]] | [[  dci-Format2-7-r17 SEQUENCE {  nrofCandidates-PEI-r17 SEQUENCE {  aggregationLevel4-r17 ENUMERATED {n0, n1, n2, n3, n4} OPTIONAL, -- Need R  aggregationLevel8-r17 ENUMERATED {n0, n1, n2} OPTIONAL, -- Need R  aggregationLevel16-r17 ENUMERATED {n0, n1} OPTIONAL -- Need R  },  ...  } OPTIONAL -- Need R  ]] | pierrebertrand@catt.cn |  |
| 50 | Y | In 6.3.2, SI-SchedulingInfo IE:  SIB-TypeInfo-v1700 ::= SEQUENCE {  sibType-r17 CHOICE {  type1-r17 ENUMERATED {sibType15, sibType16, sibType17, sibType18, sibType19, sibType20, sibType21,...},  type2-r17 SEQUENCE {  posSibType-r17 ENUMERATED {posSibType1-9, posSibType1-10, posSibType2-24, posSibType2-25, posSibType6-4, posSibType6-5, posSibType6-6,...},  encrypted-r17 ENUMERATED { true } OPTIONAL, -- Need R  gnss-id-r17 GNSS-ID-r16 OPTIONAL, -- Need R  sbas-id-r17 SBAS-ID-r16 OPTIONAL -- Need R  }  },  valueTag-r17 INTEGER (0..31) OPTIONAL, -- Cond SIB-TYPE-POS  areaScope-r17 ENUMERATED {true} OPTIONAL -- Need S  } | Suffix is missing:  SIB-TypeInfo-v1700 ::= SEQUENCE {  sibType-r17 CHOICE {  type1-r17 ENUMERATED {sibType15-v1700, sibType16-v1700, sibType17-v1700, sibType18-v1700, sibType19-v1700, sibType20-v1700, sibType21,...},  type2-r17 SEQUENCE {  posSibType-r17 ENUMERATED {posSibType1-9, posSibType1-10, posSibType2-24, posSibType2-25, posSibType6-4, posSibType6-5, posSibType6-6,...},  encrypted-r17 ENUMERATED { true } OPTIONAL, -- Need R  gnss-id-r17 GNSS-ID-r16 OPTIONAL, -- Need R  sbas-id-r17 SBAS-ID-r16 OPTIONAL -- Need R  }  },  valueTag-r17 INTEGER (0..31) OPTIONAL, -- Cond SIB-TYPE-POS  areaScope-r17 ENUMERATED {true} OPTIONAL -- Need S  } | pierrebertrand@catt.cn |  |
| 51 | N | In 6.3.4, *OtherConfig* field description:  ***bfd-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of BDF measurements. | Typo: BDF -> BFD  ***bfd-RelaxationReportingConfig***  Configuration for the UE to report the relaxation state of BFD measurements. | pierrebertrand@catt.cn |  |
| 52 | Y | – *SIB19*  *SIB19* contains satellite assistance information.  ***SIB19* information element**  -- ASN1START  -- TAG-SIB19-START  SIB19-r17 ::= SEQUENCE {  ntn-Config NTN-Config-r17 OPTIONAL, -- Need R  t-Service-r17 INTEGER (0..549755813887) OPTIONAL, -- Need R  referenceLocation-r17 ReferenceLocation-r17 OPTIONAL, -- Need R  ta-Report-r17 ENUMERATED {enabled} OPTIONAL, -- Need R  lateNonCriticalExtension OCTET STRING OPTIONAL,  ...  } | Should have suffix -r17, i.e. ntn-Config-r17 | jiangxiaowei@xiaomi.com |  |
| 53 | N | ***SIB19* field descriptions:**  ***ta-Report***  Indicates whether UE specific TA reporting is enabled during initial access (see TS 38.321 [3], clause x.x.x). | 1. “UE specific” should be removed to align with the naming in 38.321, i.e. Timing Advance Reporting   ‘,’ is missing before ‘is’ | jiangxiaowei@xiaomi.com |  |
| 54 | Y | NTN-Config-r17 ::= SEQUENCE {  epochTime-r17 EpochTime-r17 OPTIONAL, -- Need R  ntn-UlSyncValidityDuration-r17 ENUMERATED{ s5, s10, s15, s20, s25, s30, s35,  s40, s45, s50, s55, s60, s120, s180, s240} OPTIONAL, -- Need R  cellSpecificKoffset-r17 INTEGER(0..1023) OPTIONAL, -- Need R  kmac-r17 INTEGER(0..512) OPTIONAL, -- Need R  ta-Info-r17 TAInfo-r17 OPTIONAL, -- Need R  ntn-PolarizationDL-r17 ENUMERATED {rhcp,lhcp,linear} OPTIONAL, -- Need R  ntn-PolarizationUL-r17 ENUMERATED {rhcp,lhcp,linear} OPTIONAL, -- Need R  ephemerisInfo-r17 EphemerisInfo-r17 OPTIONAL, -- Need R  ...  }  EpochTime-r17 ::= SEQUENCE {  sfn-r17 INTEGER(0..1023),  subFrameNR-r17 INTEGER(0..9)  }  TAInfo-r17 ::= SEQUENCE {  ta-Common-r17 INTEGER(0..66485757),  ta-CommonDrift-r17 INTEGER(-261935..261935) OPTIONAL, -- Need R  ta-CommonDriftVariant-r17 INTEGER(0..29470) OPTIONAL -- Need R  }  -- TAG-NTN-CONFIG-STOP  -- ASN1STOP | TAInfo-r17 => TA-Info-r17 | jiangxiaowei@xiaomi.com |  |
| 55 | N | ***cellSpecificKoffset***  The CellSpecific\_K\_offset is a scheduling offset used for the timing relationships that need to be modified for NTN [see TS 38.2xy]. The unit of K\_offset is number of slots for a given subcarrier spacing of 15 kHz. FFS other SCS. | CellSpecific\_K\_offset => cellSpecificKoffset  K\_offset => cellSpecificKoffset | jiangxiaowei@xiaomi.com |  |
| 56 | N | ***kmac***  K\_mac is a scheduling offset provided by network if downlink and uplink frame timing are not aligned at gNB. It is needed for UE action and assumption on downlink configuration indicated by a MAC-CE command in PDSCH [see TS 38.2xy]. When UE is not provided by network with a K\_mac value, UE assumes K\_mac = 0.  For the reference subcarrier spacing value for the unit of K\_mac in FR1, a value of 15 kHz is used. The unit of K\_mac is number of slots for a given subcarrier spacing. FFS other SCS. | K\_mac => kmac | jiangxiaowei@xiaomi.com |  |
| 57 | N | ***ntn-PolarizationUL***  If present, this parameter indicates Polarization information for Uplink service link.  If not present and ntnPolarizationDL is present, UE assumes a same polarization for UL and DL. | ntnPolarizationDL => ntn-PolarizationDL | jiangxiaowei@xiaomi.com |  |
| 58 | N | ***EphemerisInfo***  This field provides satellite ephemeris either in format of position and velocity state vector or in format of orbital parameters. This field is excluded when determining changes in system information, i.e. changes of XXX should neither result in system information change notifications nor in a modification of valueTag in SIB1. | ***EphemerisInfo => ephemerisInfo*** | jiangxiaowei@xiaomi.com |  |
| 59 | N | ***ta-Common***  TACommon is a network-controlled common timing advanced value and it may include any timing offset considered necessary by the network. TACommon with value of 0 is supported. The granularity of TACommon is 4.07 × 10^(-3) μs. Values are given in unit of corresponding granularity. This field is excluded when determining changes in system information, i.e. changes of XXX should neither result in system information change notifications nor in a modification of valueTag in SIB1.” | TACommon => ta-Common  Remove the redundant “ | jiangxiaowei@xiaomi.com |  |
| 60 | N | ***taCommonDrift***  Indicate drift rate of the common TA. The granularity of TACommonDrift is 0.2 × 10^(-3) μs⁄s Values are given in unit of corresponding granularity. *This field is excluded when determining changes in system information, i.e. changes of XXX should neither result in system information change notifications nor in a modification of valueTag in SIB1.* | ***taCommonDrift => ta-CommonDrift***  TACommonDrift => ***ta-CommonDrift***  Additional spaces before us/s should be removed.  ‘.’ Is missing before “Values” | jiangxiaowei@xiaomi.com |  |
| 61 | N | ***taCommonDriftVariant***  Indicate drift rate variation of the common TA. The granularity of TACommonDriftVariation is 0.2×10^(-4) μs⁄s^2. Values are given in unit of corresponding granularity. *This field is excluded when determining changes in system information, i.e. changes of XXX should neither result in system information change notifications nor in a modification of valueTag in SIB1.* | ***taCommonDriftVariant => ta-CommonDriftVariant***  TACommonDriftVariation => ta-CommonDriftVariant | jiangxiaowei@xiaomi.com |  |
| 62 | Y | – *ConfiguredGrantConfig*  [[  cg-betaOffsetsCrossPri0-r17 SetupRelease { BetaOffsetsCrossPriSelCG-r17 } OPTIONAL, -- Need M  cg-betaOffsetsCrossPri1-r17 SetupRelease { BetaOffsetsCrossPriSelCG-r17 } OPTIONAL, -- Need M  mappingPattern-r17 ENUMERATED {cyclicMapping, sequentialMapping} OPTIONAL, -- Need R  sequenceOffsetForRV-r17 INTEGER (0..3) OPTIONAL, -- Need R  p0-PUSCH-Alpha2-r17 P0-PUSCH-AlphaSetId OPTIONAL, -- Need R  powerControlLoopToUse2-r17 ENUMERATED {n0, n1} OPTIONAL, -- Need R  cg-COT-SharingList-r17 SEQUENCE (SIZE (1..1709)) OF CG-COT-Sharing-r17 OPTIONAL, -- Need R  periodicityExt-r17 INTEGER (1..40960) OPTIONAL, -- Need R  repK-r17 ENUMERATED {n12, n16, n24, n32} OPTIONAL, -- Need M  nrofHARQ-ProcessesExt-r17 INTEGER(17..32) OPTIONAL, -- Need M  harq-ProcID-Offset-v17 INTEGER (16..31) OPTIONAL, -- Need M  harq-ProcID-Offset2-v1700 INTEGER (16..31) OPTIONAL, -- Need M  configuredGrantTimer-v1700 INTEGER(66..576) OPTIONAL -- Need R  ]] | harq-ProcID-Offset-v17 =》 harq-ProcID-Offset-v1700 | jiangxiaowei@xiaomi.com |  |
| 63 | N | ***uplinkHARQ-mode***  Used to set the HARQ mode per HARQ process ID, see TS 38.321 [3]. The first/leftmost bit corresponds to HARQ process ID 0, the next bit to HARQ process ID 1 and so on. Bits corresponding to HARQ process IDs that are not configured shall be ignored. A bit set to one identifies a HARQ process with *HARQmodeA* and a bit set to zero identifies a HARQ process with *HARQ modeB*. This field also applies for SRB1 to SRB3. | *HARQmodeA => harqModeA*  *HARQ modeB => harqModeB* | jiangxiaowei@xiaomi.com |  |
| 64 | N | In 6.3.2  The execution condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration for CHO, CPA, intra-SN CPC without MN involvement or MN initiated inter-SN CPC. When configuring 2 triggering events (Meas Ids) for a candidate cell, network ensures that both refer to the same *measObject.* If network configures *condEventD1* or *condEventT1* for a candidate cell network configures a second triggering event *condEventA3, condEventA4* or *condEventA5*. Network does not configure both *condEventD1* or *condEventT1* for the same candidate cell. For CPAC, the *RRCReconfiguration* message contained in *condRRCReconfig* cannot contain the field *scg-State*. | The comma is missing.  The execution condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration for CHO, CPA, intra-SN CPC without MN involvement or MN initiated inter-SN CPC. When configuring 2 triggering events (Meas Ids) for a candidate cell, network ensures that both refer to the same *measObject.* If network configures *condEventD1* or *condEventT1* for a candidate cell, network configures a second triggering event *condEventA3, condEventA4* or *condEventA5*. Network does not configure both *condEventD1* or *condEventT1* for the same candidate cell. For CPAC, the *RRCReconfiguration* message contained in *condRRCReconfig* cannot contain the field *scg-State*. | lixiaolong1@xiaomi.com |  |
| 65 | N | In 6.3.2 *EphemerisInfo* The IE *EphemerisInfo* provides satellite ephemeris. Ephemeris may be expressed either in format of position and velocity state vector or in format of orbital parameters. FFS more detailed description. | Suggest to remove the FFS part since the ephemeris is completed.  The IE *EphemerisInfo* provides satellite ephemeris. Ephemeris may be expressed either in format of position and velocity state vector or in format of orbital parameters. | Lixiaolong1@xiaomi.com |  |
| 66 | N | In 6.3.2 *Hysteresis, HysteresisLocation* The IE *Hysteresis* is a parameter used within the entry and leave condition of an event triggered reporting condition. The actual value is field value \* 0.5 dB. The *HysteresisLocation* is a parameter used within entry and leave condition of a location based event triggered reporting condition. The actual value of field *HysteresisLocation* is field value \* 10 meters.  *Hysteresis* information element  -- ASN1START  -- TAG-HYSTERESIS-START  Hysteresis ::= INTEGER (0..30)  HysteresisLocation-r17 ::= INTEGER (0..32768)  -- TAG-HYSTERESIS-STOP  -- ASN1STOP | Suggest to describe the *Hysteresis* and *HysteresisLocation* separately since there are applied in different events and have different unit. *Hysteresis,* The IE *Hysteresis* is a parameter used within the entry and leave condition of an event triggered reporting condition. The actual value is field value \* 0.5 dB. *Hysteresis* information element  -- ASN1START  -- TAG-HYSTERESIS-START  Hysteresis ::= INTEGER (0..30)  -- TAG-HYSTERESIS-STOP  -- ASN1STOP *HysteresisLocation* The *HysteresisLocation* is a parameter used within entry and leave condition of a location based event triggered reporting condition. The actual value of field *HysteresisLocation* is field value \* 10 meters.  *HysteresisLocation* information element  -- ASN1START  -- TAG-HYSTERESIS-START  HysteresisLocation-r17 ::= INTEGER (0..32768)  -- TAG-HYSTERESIS-STOP  -- ASN1STOP | Lixiaolong1@xiaomi.com |  |
| 67 | N | In 6.3.2  ***trackingAreaList***  List of Tracking Areas to which the cell indicated by *cellIdentity* field belongs. If this field is present, the UE shall ignore *trackingAreaCode*, if present.. Total number of TACs across different PLMNs of the cell cannot exceed *maxTAC*. | ***trackingAreaList***  List of Tracking Areas to which the cell indicated by *cellIdentity* field belongs. If this field is present, the UE shall ignore *trackingAreaCode*, if present, total number of TACs across different PLMNs of the cell cannot exceed *maxTAC*. | Lixiaolong1@xiaomi.com |  |
| 68 | N | In 6.3.2  ReportConfigNR  Event D1:Distance between UE and a reference location referenceLocation1 becomes larger than configured threshold1 Thresh1 and distance between UE and a reference location referenceLocation2 becomes shorter than configured threshold Thresh2;  CondEvent T1: Time measured at UE becomes more than configured threshold Thresh1 but is less than Thresh2; | Event D1:Distance between UE and a reference location *referenceLocation1* becomes larger than configured threshold *Thresh1* and distance between UE and a reference location *referenceLocation2* becomes shorter than configured threshold *Thresh2*;  CondEvent T1: Time measured at UE becomes more than configured threshold *Thresh1* but is less than configured threshold *Thresh2*; | Lixiaolong1@xiaomi.com |  |
| 69 | *N* | In 5.8.3  include *sl-TxResourceReqListDis* and set its fields (if needed) as follows for each destination for which it requests network to assign NR sidelink discovery announcements resource: | *sl-TxResourceReqListDis => sl-TxResourceReqListDisc* | gordonpetery@xiaomi.com |  |
| 70 | No | In 6.3.1  ***periodicityAndOffset***  The periodicity and slot offset (slot) for periodicTRS. It is used to determine the location of the first slot of TRS resource set. The periodicity value *slots10* corresponds to 10 slots, value *slots20* corresponds to 20 slots, and so on. | Missing a space.  Change to: periodic TRS | Liyanhua1@xiaomi.com |  |
| 71 | Y | In 6.3.2  *CellGroupConfig*  -- Serving cell specific MAC and PHY parameters for a SpCell:  SpCellConfig ::= SEQUENCE {  servCellIndex ServCellIndex OPTIONAL, -- Cond SCG  reconfigurationWithSync ReconfigurationWithSync OPTIONAL, -- Cond ReconfWithSync  rlf-TimersAndConstants SetupRelease { RLF-TimersAndConstants } OPTIONAL, -- Need M  rlmInSyncOutOfSyncThreshold ENUMERATED {n1} OPTIONAL, -- Need S  spCellConfigDedicated ServingCellConfig OPTIONAL, -- Need M  ...,  [[  lowMobilityEvaluationConnected-r17 SEQUENCE {  s-SearchDeltaP-Connected-r17 ENUMERATED {ffs},  t-SearchDeltaP-Connected-r17 ENUMERATED {ffs}  } OPTIONAL, -- Need R  goodServingCellEvaluationRLM-r17 GoodServingCellEvaluation-r17 OPTIONAL, -- Need R  goodServingCellEvaluationBFD-r17 GoodServingCellEvaluation-r17 OPTIONAL, -- Need R  deactivatedSCG-Config-r17 SetupRelease { DeactivatedSCG-Config-r17 } OPTIONAL -- Need M  ]]  } | Suggest to remove ‘,’ | Liyanhua1@xiaomi.com |  |
| 72 | N | In 6.3.2  *SCellConfig* field descriptions  ***goodServingCellEvaluationBFD***  ***I***ndicates the criterion for a UE to detect the good serving cell quality for BFD relaxation in an SCell in RRC\_CONNECTED. | A typo  Change to “a” | Liyanhua1@xiaomi.com |  |
| 73 | N | In 6.3.2  *SpCellConfig* field descriptions  ***lowMobilityEvaluationConnected***  Indicates the criterion for a UE to detect low mobility in RRC\_CONNECTED in an SpCell. The *s-SearchDeltaP-Connected* is the parameter "SSearchDeltaP-connected". And the *t-SearchDeltaP-Connected* is the parameter " TSearchDeltaP-Connected". Low mobility criterion is configured in NR Pcell for the case of NR SA/ NR CA/ NE-DC/NR-DC, and in the NR PSCell for the case of EN-DC. | A typo  Change to “a” | Liyanhua1@xiaomi.com |  |
| 74 | N | In section 4.2.1  **- RRC\_INACTIVE**:  - A UE specific DRX may be configured by upper layers or by RRC layer;  - UE controlled mobility based on network configuration;  - The UE stores the UE Inactive AS context;  - A RAN-based notification area is configured by RRC layer;  - Transfer of unicast data and/or signalling to/from UE over radio bearers configured for SDT;  The UE:  - Monitors Short Messages transmitted with P-RNTI over DCI (see clause 6.5);  - During SDT procedure, monitors control channels associated with the shared data channel to determine if data is scheduled for it;  - While SDT procedure is not ongoing, monitors a Paging channel for CN paging using 5G-S-TMSI and RAN paging using fullI-RNTI;  - If configured by upper layers for MBS multicast reception, monitors Paging channel for paging using TMGI;  - Performs neighbouring cell measurements and cell (re-)selection;  - Performs RAN-based notification area updates periodically and when moving outside the configured RAN-based notification area;  - Acquires system information, while SDT procedure is not ongoing, and can send SI request (if configured);  - While SDT procedure is not ongoing, performs logging of available measurements together with location and time for logged measurement configured UEs;  - While SDT procedure is not ongoing, performs idle/inactive measurements for idle/inactive measurement configured UEs;  - If configured by upper layers for MBS broadcast reception, acquires MCCH change notification and MBS broadcast control information and data. | For inactive state, the SDT bullet (marked in yellow) can be put together, and the MBS related bullets (marked in green) can be put together.  Proposed change is as below:  **- RRC\_INACTIVE**:  - A UE specific DRX may be configured by upper layers or by RRC layer;  - UE controlled mobility based on network configuration;  - The UE stores the UE Inactive AS context;  - A RAN-based notification area is configured by RRC layer;  - Transfer of unicast data and/or signalling to/from UE over radio bearers configured for SDT;  The UE:  - Monitors Short Messages transmitted with P-RNTI over DCI (see clause 6.5);  - During SDT procedure, monitors control channels associated with the shared data channel to determine if data is scheduled for it;  - While SDT procedure is not ongoing,  - monitors a Paging channel for CN paging using 5G-S-TMSI and RAN paging using fullI-RNTI;  - acquires system information, and can send SI request (if configured);  - performs logging of available measurements together with location and time for logged measurement configured UEs;  - performs idle/inactive measurements for idle/inactive measurement configured UEs;  - Performs neighbouring cell measurements and cell (re-)selection;  - Performs RAN-based notification area updates periodically and when moving outside the configured RAN-based notification area;  - If configured by upper layers for MBS multicast reception,  - monitors Paging channel for paging using TMGI;  - acquires MCCH change notification and MBS broadcast control information and data.  . | Fangli\_xu@apple.com |  |
| 75 | N | In 5.3.8.3  3> for SRB2, if it is resumed and for SRB1:  4> trigger the PDCP entity to perform SDU discard as specified in TS 38.323 [5]; | Comma (,) should be removed, and It should be updated as follow:  3> for SRB2 (if it is resumed) and for SRB1:  4> trigger the PDCP entity to perform SDU discard as specified in TS 38.323 [5]; | Fangli\_xu@apple.com |  |
| 76 | N | In 5.3.8.3  3> if configured grant resources for SDT are configured:  4> configure the MAC entity with the configured grant resources for SDT and instruct MAC to start the *cg-SDT-TimeAlignmentTimer*; | “configured grant resources” should be replaced by the parameter name (sdt-MAC-PHY-CG-Config )in ASN.1  Following is the proposed change:  3> if configured grant resources for SDT are configured:  4> configure the MAC entity with the configured grant resources for SDT and instruct MAC to start the *cg-SDT-TimeAlignmentTimer*; | Fangli\_xu@apple.com |  |
| 77 | N | Section 5.7.8.2a  While in RRC\_IDLE or RRC\_INACTIVE, and T331 is running and and T319a is not running, the UE shall: | Remove the duplicated “and”  While in RRC\_IDLE or RRC\_INACTIVE, and T331 is running and T319a is not running, the UE shall: | Fangli\_xu@apple.com |  |
| 78 | Y | Field description part.  ***sdt-DataVolumeThreshold***  Data volume threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. Value *byte32* corresponds to 32 bytes, value *byte100* corresponds to 100 bytes, and so on. | Correct the color to black.  ***sdt-DataVolumeThreshold***  Data volume threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. Value *byte32* corresponds to 32 bytes, value *byte100* corresponds to 100 bytes, and so on. | Fangli\_xu@apple.com |  |
| 79 | Y | Field description part.  ***sdt-LogicalChannelSR-DelayTimer***  The value of logicalChannelSR-DelayTimer applied during SDT for logical channels configured with SDT, as specified in TS 38.321 [3]. Value in number of subframes. Value *sf20* corresponds to 20 subframes, *sf40* corresponds to 40 subframes, and so on. If this field is not configured, then logicalChannelSR-DelayTimer is not applied for SDT logical channels. | “is” is missing in the first sentence.  ***sdt-LogicalChannelSR-DelayTimer***  The value of logicalChannelSR-DelayTimer **is** applied during SDT for logical channels configured with SDT, as specified in TS 38.321 [3]. Value in number of subframes. Value *sf20* corresponds to 20 subframes, *sf40* corresponds to 40 subframes, and so on. If this field is not configured, then logicalChannelSR-DelayTimer is not applied for SDT logical channels. | Fangli\_xu@apple.com |  |
| 80 | Y | Field description part.  ***sdt-RSRP-Threshold***  RSRP threshold for UE to determine whether to perform SDT procedure, as specified in TS 38.321 [3]. | Improve the description and align the description as that for sdt-DataVolumeThreshold.  The proposed change:  ***sdt-RSRP-Threshold***  RSRP threshold used to determine whether SDT can be initiated, as specified in TS 38.321 [3]. | Fangli\_xu@apple.com |  |
| 81 | N | Section 7.1.1.  T319, stop condition  Upon reception of *RRCResume,* *RRCSetup, RRCRelease, RRCRelease* with *suspendConfig* or *RRCReject* message, upon cell re-selection and upon relay (re)selection. | T319, stop condition, “and” should be “or”  The proposed change:  Upon reception of *RRCResume,* *RRCSetup, RRCRelease, RRCRelease* with *suspendConfig* or *RRCReject* message, upon cell re-selection or upon relay (re)selection. | Fangli\_xu@apple.com |  |
| 82 | N | Section 5.3.1.1  In any case, the network will apply both ciphering and integrity protection for the RRC reconfiguration messages used to establish SRB2, DRBs and multicast MRBs. | “and” should be changed to “and/or”.  The proposed change:  In any case, the network will apply both ciphering and integrity protection for the RRC reconfiguration messages used to establish SRB2, DRBs and/or multicast MRBs. | Fangli\_xu@apple.com |  |
| 83 | N | Section 5.3.1.1  For IAB-MT, a configuration with SRB2 without any DRB/MRB is supported. | “MRB” should be “multicast MRB”.  The proposed change:  For IAB-MT, a configuration with SRB2 without any DRB/multicast MRB is supported. | Fangli\_xu@apple.com |  |
| 84 | N | Section 5.3.5.6.1  1> release all SDAP entities, if any, that have no associated DRB as specified in TS 37.324 [24] clause 5.1.2, and indicate the release of the user plane resources for PDU Sessions associated with the released SDAP entities to upper layers;  1> release all SDAP entities that have no associated multicast MRB, and indicate the release of user plane resources for these MBS multicast sessions to upper layers. | Align the description, and add the spec reference to the MRB SDAP handling as marked in red.  1> release all SDAP entities, if any, that have no associated DRB as specified in TS 37.324 [24] clause 5.1.2, and indicate the release of the user plane resources for PDU Sessions associated with the released SDAP entities to upper layers;  1> release all SDAP entities that have no associated multicast MRB as specified in TS 37.324 [24] clause 5.1.2, and indicate the release of user plane resources for these MBS multicast sessions to upper layers. | Fangli\_xu@apple.com |  |
| 85 | N | Section 5.3.13.3  1> configure lower layers to apply integrity protection for all radio bearers except SRB0 and MRBs using the configured algorithm and the KRRCint key and KUPint key derived in this subclause immediately, i.e., integrity protection shall be applied to all subsequent messages received and sent by the UE;  NOTE 1: Only DRBs with previously configured UP integrity protection shall resume integrity protection.  1> configure lower layers to apply ciphering for all radio bearers except SRB0 and MRBs and to apply the configured ciphering algorithm, the KRRCenc key and the KUPenc key derived in this subclause, i.e. the ciphering configuration shall be applied to all subsequent messages received and sent by the UE; | “MRBs” should be “multicast MRBs”  The proposed change:  1> configure lower layers to apply integrity protection for all radio bearers except SRB0 and multicast MRBs using the configured algorithm and the KRRCint key and KUPint key derived in this subclause immediately, i.e., integrity protection shall be applied to all subsequent messages received and sent by the UE;  NOTE 1: Only DRBs with previously configured UP integrity protection shall resume integrity protection.  1> configure lower layers to apply ciphering for all radio bearers except SRB0 and multicast MRBs and to apply the configured ciphering algorithm, the KRRCenc key and the KUPenc key derived in this subclause, i.e. the ciphering configuration shall be applied to all subsequent messages received and sent by the UE; | Fangli\_xu@apple.com |  |
| 86 | N | Section 5.9.2.3  1> if the UE enters a cell broadcasting *SIB20*:  2> acquire the *MBSBroadcastConfiguration* message on MCCH at the next repetition period; | “;” should be “.”  The proposed change:  1> if the UE enters a cell broadcasting *SIB20*:  2> acquire the *MBSBroadcastConfiguration* message on MCCH at the next repetition period. | Fangli\_xu@apple.com |  |
| 87 | N | Section 5.9.3.2  The UE applies the broadcast MRB establishment procedure to start receiving an MBS session of a MBS broadcast service it is interested in. The procedure may be initiated e.g. upon start of the MBS session, upon entering a cell providing a MBS broadcast service UE is interested in, upon becoming interested in the MBS broadcast service, upon removal of UE capability limitations inhibiting reception of the MBS broadcast service UE is interested in.  The UE applies the broadcast MRB release procedure to stop receiving a session of a MBS broadcast service. The procedure may be initiated e.g. upon stop of the MBS session, upon leaving the cell broadcasting the MBS service UE is interested in, upon losing interest in the MBS service, when capability limitations start inhibiting reception of the concerned service. | “UE” should be “the UE”  The proposed change:  The UE applies the broadcast MRB establishment procedure to start receiving an MBS session of a MBS broadcast service it is interested in. The procedure may be initiated e.g. upon start of the MBS session, upon entering a cell providing a MBS broadcast service the UE is interested in, upon becoming interested in the MBS broadcast service, upon removal of the UE capability limitations inhibiting reception of the MBS broadcast service UE is interested in.  The UE applies the broadcast MRB release procedure to stop receiving a session of a MBS broadcast service. The procedure may be initiated e.g. upon stop of the MBS session, upon leaving the cell broadcasting the MBS service the UE is interested in, upon losing interest in the MBS service, when capability limitations start inhibiting reception of the concerned service. | Fangli\_xu@apple.com |  |
| 87 | N | Section 5.9.4.3  2> for at least one of these MBS sessions *SIB21* acquired from the PCell includes for the concerned frequency one or more MBS FSAIs as indicated in the USD for this session; and | It should be “included in SIB21”  The proposed change:  2> for at least one of these MBS sessionsincluded in *SIB21* acquired from the PCell includes for the concerned frequency one or more MBS FSAIs as indicated in the USD for this session; and | Fangli\_xu@apple.com |  |
| 88 | N | Section 5.9.4.5  2> if *SIB20* is scheduled by the PCell: | It should be updated as follow, which is aligned with the description in other place (e.g. 5.9.4.2)  2> if *SIB20* is provided by the PCell: | Fangli\_xu@apple.com |  |
| 89 | Y | The field description  ***pdsch-ConfigMTCH***  Provides parameters for acquiring the PDSCH for MTCH. The UE shall use parameters in *pdsch-ConfigMCCH* also for PDSCH of MTCH when this field is absent. | The absent description can be reworded as below.  ***pdsch-ConfigMTCH***  Provides parameters for acquiring the PDSCH for MTCH. When this field is absent, the UE shall use parameters in *pdsch-ConfigMCCH* to acquire the PDSCH for MTCH. | Fangli\_xu@apple.com |  |
| 90 | Y | allowCSI-SRS-Tx-MulticastDRX-Active-r17  MAC-CellGroupConfig ::= SEQUENCE {  …    allowCSI-SRS-Tx-MulticastDRX-Active-r17 BOOLEAN  ]]  } | The parameter should be optional.  MAC-CellGroupConfig ::= SEQUENCE {  …  allowCSI-SRS-Tx-MulticastDRX-Active-r17 BOOLEAN OPTIONAL, -- Need M  ]]  } | Fangli\_xu@apple.com |  |
| 91 | Y | Field description  ***headerCompression***  If rohc is configured, the UE shall apply the configured ROHC profile(s) in both uplink and downlink. If *uplinkOnlyROHC* is configured, the UE shall apply the configured ROHC profile(s) in uplink (there is no header compression in downlink). ROHC can be configured for any bearer type. ROHC and EHC can be both configured simultaneously for a DRB or a multicast MRB. The network reconfigures *headerCompression* only upon reconfiguration involving PDCP re-establishment, and without any *drb-ContinueROHC*. Network configures *headerCompression* to *notUsed* when *outOfOrderDelivery* is configured. Network only configures this field when *uplinkDataCompression* is not configured | “Multicast MRB” should be " a bi-directional multicast MRB".  ***headerCompression***  If rohc is configured, the UE shall apply the configured ROHC profile(s) in both uplink and downlink. If *uplinkOnlyROHC* is configured, the UE shall apply the configured ROHC profile(s) in uplink (there is no header compression in downlink). ROHC can be configured for any bearer type. ROHC and EHC can be both configured simultaneously for a DRB or a bi-directional multicast MRB. The network reconfigures *headerCompression* only upon reconfiguration involving PDCP re-establishment, and without any *drb-ContinueROHC*. Network configures *headerCompression* to *notUsed* when *outOfOrderDelivery* is configured. Network only configures this field when *uplinkDataCompression* is not configured | Fangli\_xu@apple.com |  |
| 92 | Y | Field description  ***tmgi***  Indicates which MBS session the bearer is associated with. | It should clarified as “multicast MBS session”.  ***tmgi***  Indicates which multicast MBS session the bearer is associated with. | Fangli\_xu@apple.com |  |
| 93 | Y | section 6.3.6  *CarrierFreqListMBS*  The IE *CarrierFreqListMBS* is used to inform network of the frequencies on which the UE is receiving or interested to receive MBS broadcast service via a broadcast MRB | A full stop is missing.  *CarrierFreqListMBS*  The IE *CarrierFreqListMBS* is used to inform network of the frequencies on which the UE is receiving or interested to receive MBS broadcast service via a broadcast MRB. | Fangli\_xu@apple.com |  |
| 94 | Y | section 6.3.6, TMGI  *– MBS-SessionInfoList*  The IE *MBS-SessionInfoList* provides the list of ongoing MBS broadcast sessions transmitted via broadcast MRB and, for each MBS broadcast session, the associated G-RNTI and scheduling information.  TMGI-r17 ::= SEQUENCE {  plmn-Id-r17 CHOICE {  plmn-Index-r17 INTEGER (1..maxPLMN),  explicitValue-r17 PLMN-Identity  },  serviceId-r17 OCTET STRING (SIZE (3))  } | TMGI is used in multiple places, so it should be specified as the separate information element, and should not under the MBS-SessionInfoList.  *– TMGI*  The IE *TMGI* is the identity which is associated with the MBS session  *TMGI*  information element  -- ASN1START  -- TAG-MBS-SESSIONINFOLIST-START  TMGI-r17 ::= SEQUENCE {  plmn-Id-r17 CHOICE {  plmn-Index-r17 INTEGER (1..maxPLMN),  explicitValue-r17 PLMN-Identity  },  serviceId-r17 OCTET STRING (SIZE (3))  }  -- TAG-MBS-SESSIONINFOLIST-STOP  -- ASN1STOP | Fangli\_xu@apple.com |  |
| 95 | Y | Section 6.3.6, DRX-ConfigPTM  Condition of *HARQFeedback*  The field is mandatory present if HARQ feedback is enabled for a G-RNTI associated with this DRX configuration. It is absent otherwise. | For the condition, it is related to the HARQ feedback for G-RNTI and G-CS-RNTI.  Condition of *HARQFeedback*  The field is mandatory present if HARQ feedback is enabled for a G-RNTI/G-CS-RNTI associated with this DRX configuration. It is absent otherwise. | Fangli\_xu@apple.com |  |
| 96 | N | 3> if *drb-ContinueUDC* is included in *pdcp-Config*:  4> indicate to lower layer that *drb-ContinueUDC* is configured;3> re-establish the PDCP entity of this DRB as specified in TS 38.323 [5], clause 5.1.2; | Incorrect formatting: “3>” needs to go on next line.  3> if drb-ContinueEHC-UL is included in pdcp-Config:  4> indicate to lower layer that drb-ContinueEHC-UL is configured;  3> if drb-ContinueUDC is included in pdcp-Config:  4> indicate to lower layer that drb-ContinueUDC is configured; | rrossbach@apple.com |  |
| 97 | N | ***schedulingCellId***  If configured for a SpCell, this field indicates which SCell, in addition to the SpCell, signals the downlink allocations and uplink grants, if applicable, for the concerned SpCell. If configured for a Scell, this field indicates which cell signals the downlink allocations and uplink grants, if applicable, for the concerned SCell. | To align with other parts in the specification including the existing field descriptions of *CrossCarrierSchedulingConfig*, it is proposed to change “a SpCell” to “an SpCell”.  **schedulingCellId**  If configured for an SpCell, this field indicates which SCell, in addition to the SpCell, signals the downlink allocations and uplink grants, if applicable, for the concerned SpCell. If configured for an Scell, this field Iindicates which cell signals the downlink allocations and uplink grants, if applicable, for the concerned SCell. | rrossbach@apple.com |  |
| 98 | N | The IE *PDCCH-Config* is used to configure UE specific or MBS multicast PDCCH parameters such as control resource sets (CORESET), search spaces and additional parameters for acquiring the PDCCH. | The IE *PDCCH-Config* is used to configure UE specific PDCCH parameters or MBS multicast PDCCH parameters such as control resource sets (CORESET), search spaces and additional parameters for acquiring the PDCCH. | rrossbach@apple.com |  |
| 99 | N | ***searchSpaceId***  Identity of the search space. SearchSpaceId = 0 identifies the *searchSpaceZero* configured via PBCH (MIB) or *ServingCellConfigCommon* and may hence not be used in the *SearchSpace* IE. The *searchSpaceId* is unique among the BWPs of a Serving Cell. In case of cross carrier scheduling, search spaces with the same *searchSpaceId* in scheduled cell and scheduling cell are linked to each other. The UE applies the search space for the scheduled cell only if the DL BWPs in which the linked search spaces are configured in scheduling cell and scheduled cell are both active.  For an IAB-MT, the search space defines how/where to search for PDCCH candidates for an IAB-MT:each search space is associated with one ControlResearchSet; for a scheduled cell in the case of cross carrier scheduling, except for nrofCandidates, all the optional fields are absent. | As discussed in the DSS WI (R2-2203843), it was not initially clear that the original sentences (in version g70) are linked but IAB-specific.  ***searchSpaceId***  Identity of the search space. SearchSpaceId = 0 identifies the *searchSpaceZero* configured via PBCH (MIB) or *ServingCellConfigCommon* and may hence not be used in the *SearchSpace* IE. The *searchSpaceId* is unique among the BWPs of a Serving Cell. In case of cross carrier scheduling, search spaces with the same *searchSpaceId* in scheduled cell and scheduling cell are linked to each other. The UE applies the search space for the scheduled cell only if the DL BWPs in which the linked search spaces are configured in scheduling cell and scheduled cell are both active.  For an IAB-MT, the search space defines how/where to search for PDCCH candidates for an IAB-MT where each search space is associated with one ControlResearchSet; for a scheduled cell in the case of cross carrier scheduling, except for nrofCandidates, all the optional fields are absent. | rrossbach@apple.com |  |
| 100 | N | The purpose of this procedure is to transfer NAS dedicated information from NG-RAN to a UE in RRC\_CONNECTED, or to transfer F1-C related information from IAB Donor-CU to IAB-DU via IAB-MT in RRC\_CONNECTED or to a UE in RRC\_INACTIVE during SDT. | The purpose of this procedure is to transfer NAS dedicated information from NG-RAN to a UE in RRC\_CONNECTED or to a UE in RRC\_INACTIVE during SDT, or to transfer F1-C related information from IAB Donor-CU to IAB-DU via IAB-MT in RRC\_CONNECTED. | rrossbach@apple.com |  |
| 101 | N | CG-SDT-Configuration-r17 ::= SEQUENCE {  cg-SDT-RetransmissionTimer INTEGER (1..64) OPTIONAL, -- Need R  sdt-SSB-Subset-r17 CHOICE {  shortBitmap-r17 BIT STRING (SIZE (4)),  mediumBitmap-r17 BIT STRING (SIZE (8)),  longBitmap-r17 BIT STRING (SIZE (64))  } OPTIONAL, -- Need S  sdt-SSB-PerCG-PUSCH-r17 ENUMERATED {oneEighth, oneFourth, half, one, two, four, eight, sixteen} OPTIONAL, -- Need M  sdt-P0-PUSCH-r17 INTEGER (-16..15) OPTIONAL, -- Need M  sdt-Alpha-r17 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M  sdt-DMRS-Ports-r17 CHOICE {  dmrsType1-r17 BIT STRING (SIZE (8)),  dmrsType2-r17 BIT STRING (SIZE (12))  } OPTIONAL, -- Need M  sdt-NrofDMRS-Sequences-r17 INTEGER (1..2) OPTIONAL -- Need M  } | The color coding of the sdt-DMRS-Ports-r17 struct needs to be corrected. | rrossbach@apple.com |  |
| 102 | Y | In IE *LogicalChannelConfig:*  allowedHARQ-mode | allowedHARQ-mode-r17 | pnuggehalli@apple.com |  |
| 103 | N | ***allowedHARQ-mode***  Indicates the allowed HARQ mode of a HARQ process mapped to this logical channel. If the parameter is not configured, there is no restriction for HARQ mode for the mapping. This field also applies to SRB1, SRB2 and SRB3. | ***allowedHARQ-mode***  Indicates the allowed HARQ mode of a HARQ process mapped to this logical channel. If the parameter is not configured, there is no restriction for HARQ mode for the mapping. This field also applies to SRB1, SRB2, SRB3, and SRB4. | pnuggehalli@apple.com |  |
| 104 | Y | DL-AM-RLC-v1610 ::= SEQUENCE {  t-StatusProhibit-v1610 T-StatusProhibit-v1610 OPTIONAL, -- Need N  ...,  [[  t-ReassemblyExt-r17 T-ReassemblyExt-r17 OPTIONAL -- Need N  ]]  } | The highlighted part seems to be duplicated and should be removed | pnuggehalli@apple.com |  |
| 105 | Y | In IE *MAC-CellGroupConfig:*  offsetThresholdTA | offsetThresholdTA-r17 | pnuggehalli@apple.com |  |
| 106 | Y | UEAssistanceInformation-v1700-IEs ::= SEQUENCE {  ul-GapFR2-Preference-r17 UL-GapFR2-Preference-r17 OPTIONAL,  musim-Assistance-r17 MUSIM-Assistance-r17 OPTIONAL,  overheatingAssistance-r17 OverheatingAssistance-r17 OPTIONAL,  maxBW-PreferenceFR2-2-r17 MaxBW-PreferenceFR2-2-r17 OPTIONAL,  maxMIMO-LayerPreferenceFR2-2-r17 MaxMIMO-LayerPreferenceFR2-2-r17 OPTIONAL,  minSchedulingOffsetPreferenceExt-r17 MinSchedulingOffsetPreferenceExt-r17 OPTIONAL,  rlm-MeasRelaxationState-r17 BOOLEAN OPTIONAL,  bfd-MeasRelaxationState-r17 BIT STRING (SIZE (32)) OPTIONAL,  nonSDT-DataIndication-r17 SEQUENCE {  resumeCause-r17 ResumeCause OPTIONAL  } OPTIONAL,  scg-DeactivationPreference ENUMERATED { scgDeactivationPreferred, noPreferrence } OPTIONAL,  uplinkData-r17 ENUMERATED { true } OPTIONAL,  rrm-MeasRelaxationFulfilment-r17 BOOLEAN OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  } | noPreferrence to noPreference | naveen.palle@apple.com |  |
| 107 | Y | DeactivatedSCG-Config-r17 ::= SEQUENCE {  bfd-and-RLM BOOLEAN,  ...  } | From BOOLEAN to ENUMERATED {perform} | naveen.palle@apple.com |  |
| 108 | Y | CondReconfigToAddMod-r16 ::= SEQUENCE {  condReconfigId-r16 CondReconfigId-r16,  condExecutionCond-r16 SEQUENCE (SIZE (1..2)) OF MeasId OPTIONAL, -- Need M  condRRCReconfig-r16 OCTET STRING (CONTAINING RRCReconfiguration) OPTIONAL, -- Cond condReconfigAdd  ...,  [[  condExecutionCondSCG-r17 OCTET STRING (CONTAINING CondReconfigExecCondSCG-r17) OPTIONAL -- Need M  ]]  } | Define a seperate SEQUENCE for COndReconfigExecConfSCG-r17 instead of embedding an OCTECT STRING for condExecutionCondSCG-r17. We do not understand the advantage of OCTET STRING, better to have this as a SEQUENCE. | naveen.palle@apple.com |  |
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