**3GPP TSG-****RAN2 Meeting#110e R2-20XXXX**

**April, 2020**

**Agenda Item:** XXX

**Source:** Ericsson

**Title:** NR Rel-16 ASN.1 Review, Class 0 and Class 1 issues

**Document for:** Discussion and decision

# Guidelines

* This file is used to log NR 38331 ASN:1 Review Class 0 and Class 1 issues.
1. **Trivial** e.g. editorials, commas, colon, misspelling, missing/ double spaces, italics etc.
2. **Minor** e.g. quite straightforward changes e.g. correction/ addition of specification references or sub-clauses
* 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 and Class 1 issues

| **Issue number** | **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 | 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 | 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 |  |
| 1 | **Original text:**Performs logging of available measurements together with location and time for logged measurement configured UEs.**Proposal text:**Performs logging of available measurements together with location and time ~~for~~ if logged measurements is configured ~~UEs~~. | There are two places in section 4.2.1 with the said text and both needs to be reworded as proposed. The reason for changing is to phrase the sentence from a specific UE point of view rather than a group of UEs point of view.  | pradeepa.ramachandra@ericsson.com |  |
| 2 | The UE may discard the connection establishment failure information, i.e. release the UE variable VarConnEsFailReport, 48 hours after the last connection establishment failure is detected. | Missing Italics | pradeepa.ramachandra@ericsson.com |  |
| 3 | **Generic comment:**In some places the term SSB is used and in some other SS/PBCH Block is used. It is better to align the text with a single terminology | Alignment between SSB and SS/PBCH Block | pradeepa.ramachandra@ericsson.com |  |
| 4 | 5> set the *measResultListNR* in *measResultNeighCells* to include all the available measurement quantities of the best measured cells associated to the *measObjectNR*, other than the source PCell, ordered such that the cell with highest SS/PBCH block RSRP is listed first if SS/PBCH block RSRP measurement results are available, otherwise the cell with highest SS/PBCH block RSRQ is listed first if SS/PBCH block RSRQ measurement results are available, otherwise the cell with highest SS/PBCH block SINR is listed first, based on the available SS/PBCH block based measurements collected up to the moment the UE detected handover failure; | ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 5 | 4> if the SS/PBCH block-based measurement quantities are available;5> set the *measResultListNR* in *measResultNeighCells* to include all the available measurement quantities of the best measured cells associated to the *measObjectNR*, other than the source PCell, ordered such that the cell with highest SS/PBCH block RSRP is listed first if SS/PBCH block RSRP measurement results are available, otherwise the cell with highest SS/PBCH block RSRQ is listed first if SS/PBCH block RSRQ measurement results are available, otherwise the cell with highest SS/PBCH block SINR is listed first, based on the available SS/PBCH block based measurements collected up to the moment the UE detected handover failure;6> for each neighbour cell included, include the optional fields that are available; | ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 6 | 4> if the CSI-RS based measurement quantities are available;5> set the *measResultListNR* in *measResultNeighCells* to include all the available measurement quantities of the best measured cells, other than the source PCell, ordered such that the cell with highest CSI-RS RSRP is listed first if CSI-RS RSRP measurement results are available, otherwise the cell with highest CSI-RS RSRQ is listed first if CSI-RS RSRQ measurement results are available, otherwise the cell with highest CSI-RS SINR is listed first, based on the available CSI-RS based measurements collected up to the moment the UE detected handover failure;6> for each neighbour cell included, include the optional fields that are available; | ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 7 | 3> for each of the configured EUTRA frequencies in which measurements are available;4> set the *measResultListEUTRA* in *measResultNeighCells* to include the best measured cells ordered such that the cell with highest RSRP is listed first if RSRP measurement results are available, otherwise the cell with highest RSRQ is listed first, and based on measurements collected up to the moment the UE detected radio link failure; | ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 8 | 3> set the *timeConnFailure* to the elapsed time since reception of the last *RRCReconfiguration* message including the *reconfigurationWithSync*; | This field name, timeConnFailure is not very self-explanatory and could be improved. Instead we can change the field name to ‘timeBetweenHOCommandAndFailure’. The changes are applicable in all places including ASN.1 | pradeepa.ramachandra@ericsson.com |  |
| 9 | 7> set the measResultListNR in measResultNeighCells to include all the available measurement quantities of the best measured cells, other than the source PCell, ordered such that the cell with highest SS/PBCH block RSRP is listed first if SS/PBCH block RSRP measurement results are available, otherwise the cell with highest SS/PBCH block RSRQ is listed first if SS/PBCH block RSRQ measurement results are available, otherwise the cell with highest SS/PBCH block SINR is listed first, based on the available SS/PBCH block based measurements collected up to the moment the UE detected radio link failure;8> for each neighbour cell included, include the optional fields that are available; | Missing italics‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 10 | 7> set the *measResultListNR* in *measResultNeighCells* to include all the available measurement quantities of the best measured cells, other than the source PCell, ordered such that the cell with highest CSI-RS RSRP is listed first if CSI-RS RSRP measurement results are available, otherwise the cell with highest CSI-RS RSRQ is listed first if CSI-RS RSRQ measurement results are available, otherwise the cell with highest CSI-RS SINR is listed first, based on the available CSI-RS based measurements collected up to the moment the UE detected radio link failure;8> for each neighbour cell included, include the optional fields that are available; | ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 11 | 5> set the connectionFailureType to rlf;5> set the *c-RNTI* to the C-RNTI used in the PCell;5> set the *rlf-Cause* to the trigger for detecting radio link failure;5> if the rlf-Cause is set to randomAccessProblem or beamFailureRecoveryFailure: | Missing italics | pradeepa.ramachandra@ericsson.com |  |
| 12 | 8> set the *numberOfPreamblesSentOnSSB* to indicate the number of successive random access attempts associated to the SS/PBCH block;  | Missing hyphen (-) between random access i.e., random-access. | pradeepa.ramachandra@ericsson.com |  |
| 13 | 2> if the UE has connection resume failure informaton available in *VarConnEstFailReport* and if the RPLMN is not equal to plmn-identity stored in *VarConnEstFailReport*: | Missing italics | pradeepa.ramachandra@ericsson.com |  |
| 14 | 2> if the *ul-DelayValueConfig* is configured for the associated *reportConfig*:3> ignore the *measObject;*3> for each of the configured DRBs*,* configure the PDCP layer to perform corresponding average UL PDCP packet delay measurement per DRB [x5]; | Missing reference | pradeepa.ramachandra@ericsson.com |  |
| 15 | 1> if the *includeCommonLocationInfo* is configured in the corresponding *reportConfig* for this *measId* and detailed location information that has not been reported is available, set the content of *commonLocationInfo* of the *locationInfo* as follows:2> include the locationTimestamp;2> include the *locationCoordinate*, if available;2> include the *velocityEstimate*, if available;2> include the *locationError*, if available;2> include the *locationSource*, if available;2> if available, include the *gnss-TOD-msec*, | In section 5.5.5.1Missing italics‘;’ instead of ‘,’ | pradeepa.ramachandra@ericsson.com |  |
| 16 | 1> if *reportType* is set to *periodical*:2> if a single reporting quantity is set to *true* in *reportQuantityRS-Indexes*;3> consider the configured single quantity as the sorting quantity;2> else:3> if *rsrp* is set to *true*;4> consider RSRP as the sorting quantity;3> else:4> consider RSRQ as the sorting quantity; | In section 5.5.5.2 ‘:’ instead of ‘;’ | pradeepa.ramachandra@ericsson.com |  |
| 17 | I1> if available, set the *locationInfo* as follows:2> if available, set the *commonLocationInfo* to include the detailed location information;2> if available, set the *bt-LocationInfo* to include the Bluetooth measurement results, in order of decreasing RSSI for Bluetooth beacons;2> if available, set the *wlan-LocationInfo* to include the WLAN measurement results, in order of decreasing RSSI for WLAN APs.2> if available, set the *sensor-LocationInfo* to include the sensor measurement results.  | n section 5.7.3.5 and 5.7.3a.3 ‘;’ instead of ‘.’ | pradeepa.ramachandra@ericsson.com |  |
| 18 | 1> if the number of RA-Report stored in the RA-ReportList-r16 is less than 8, then append the following contents associated to the successfully completed random-access procedure as a new entry in the *VarRA-Report*: | Missing italics | pradeepa.ramachandra@ericsson.com |  |
| 19 | 2> else:3> set the plmn-Identity to the PLMN selected by upper layers from the PLMN(s) included in the plmn-IdentityList in SIB1; | Missing italics | pradeepa.ramachandra@ericsson.com |  |
| 20 | 2> set the parameters associated to individual random-access attempt in the chronological order of attmepts in the *perRAInfoList* as specified in 5.3.10.3: | ‘;’ instead of ‘:’ | pradeepa.ramachandra@ericsson.com |  |
| 21 | NG-RAN initiates the logged measurement configuration procedure to UE in RRC\_CONNECTED by sending the *LoggedMeasurementConfiguration* message. | ‘towards’ instead of ‘to’NG-RAN initiates the logged measurement configuration procedure towards UE in RRC\_CONNECTED by sending the *LoggedMeasurementConfiguration* message. | pradeepa.ramachandra@ericsson.com |  |
| 22 | This procedure specifies the logging of available measurements by a UE in RRC\_IDLE and RRC\_INACTIVE that has a logged measurement configuration. The actual process of logging within the UE, takes place in RRC IDLE state could continue in RRC INACTIVE state or vice versa. | Missing ‘and’This procedure specifies the logging of available measurements by a UE in RRC\_IDLE and RRC\_INACTIVE that has a logged measurement configuration. The actual process of logging within the UE, takes place in RRC IDLE state and could continue in RRC INACTIVE state or vice versa. | pradeepa.ramachandra@ericsson.com |  |
| 23 | **Generic comment:**The terminology reportType used in loggedMeasurementConfiguration and the associated UE variable VarLogMeasConfig.  | The purpose of this field is to inform the UE ‘when’ to log, not ‘what’ to log. Therefore, the field name is misleading.It is proposed to change it to loggingType instead of reportType. | pradeepa.ramachandra@ericsson.com |  |
| 24 | 3> if the UE is camping normally on an NR cell and if the RPLMN is included in *plmn-IdentityList* stored in *VarLogMeasReport* and, if the cell is part of the area indicated by *areaConfiguration* if configured in *VarLogMeasConfig*: | Remove the ‘,’ | pradeepa.ramachandra@ericsson.com |  |
| 25 | 4> set the *measResultServCell* to include the quantities of the last logged cell the UE was camping on; 3> else:4> set the *servCellIdentity* to indicate global cell identity of the cell the UE is camping on;4> set the *measResultServCell* to include the quantities of the cell the UE is camping on; | There is no IE by the name ‘measResultServCell’.Missing part of the correct field name (‘ing’). It should have been measResultServingCell’ | pradeepa.ramachandra@ericsson.com |  |
| 26 | 4> if available, set the *measResultNeighCells*, in order of decreasing ranking-criterion as used for cell re-selection, to include neighbouring cell measurements ~~(excluding the~~ *~~resultsSSB-Indexes~~* ~~IE)~~ that became available during the last logging interval for at most the following number of neighbouring cells: 6 intra-frequency and 3 inter-frequency neighbours per frequency as well as 3 inter-RAT neighbours, per frequency/ set of frequencies per RAT and according to the following: | No need for the text in the brackets as the field *measResultNeighCells* does not contain *resultsSSB-Indexes* | pradeepa.ramachandra@ericsson.com |  |
| 27 | LoggedMeasurementConfiguration-r16-IEs ::= SEQUENCE { traceReference-r16 TraceReference-r16, traceRecordingSessionRef-r16 OCTET STRING (SIZE (2)), tce-Id-r16 OCTET STRING (SIZE (1)), absoluteTimeInfo-r16 AbsoluteTimeInfo-r16, areaConfiguration-r16 AreaConfiguration-r16 OPTIONAL, --Need R plmn-IdentityList-r16 PLMN-IdentityList3-r16 OPTIONAL, --Need R bt-NameList-r16 BT-NameListConfig-r16 OPTIONAL, --Need R wlan-NameList-r16 WLAN-NameListConfig-r16 OPTIONAL, --Need R sensor-NameList-r16  Sensor-NameListConfig-r16 OPTIONAL, --Need R loggingDuration-r16 LoggingDuration-r16, reportType CHOICE { periodical LoggedPeriodicalReportConfig-r16, eventTriggered LoggedEventTriggerConfig-r16 }} | Missing ‘-r16’ | pradeepa.ramachandra@ericsson.com |  |
| 28 | ***eventType***The value outOfCoverage indicates the UE to perform logging of measurements when the UE enters any cell selection state, and the value eventL1 indicates the UE to perform logging of measurements when the triggering condition (similar as event A2 as specified in 5.5.4.3) as configured in the event is met for the camping cell in camped normally state.  | Missing italics | pradeepa.ramachandra@ericsson.com |  |
| 29 | LogMeasInfo-r16 ::= SEQUENCE { locationInfo-r16 LocationInfo-r16 OPTIONAL, relativeTimeStamp-r16 INTEGER (0..7200), servCellIdentity-r16 CGI-InfoNR-Logging-r16, measResultServingCell-r16 MeasResultServingCell-r16 OPTIONAL, measResultNeighCells-r16 SEQUENCE { measResultNeighCellListNR MeasResultListLogging2NR-r16 OPTIONAL, measResultNeighCellListEUTRA MeasResultList2EUTRA-r16 OPTIONAL }, anyCellSelectionDetected-r16 ENUMERATED {true} OPTIONAL} | Missing -r16 | pradeepa.ramachandra@ericsson.com |  |
| 30 | ***timeStamp***Includes time stamps for the waypoints that describe planned locations for the UE.  | No such field. Remove the field description completely. | pradeepa.ramachandra@ericsson.com |  |
| 31 | ***numberOfConnFail***This field is used to indicate the number of failed connection setup attempts after radio link failure. | There is no relation to RLF. Remove ‘after radio link failure’ | pradeepa.ramachandra@ericsson.com |  |
| 32 | ***numberOfPreamblesSent***This field is used to indicate the number of random access preambles that were transmitted. | No such field. Remove the field description completely. | pradeepa.ramachandra@ericsson.com |  |
| 33 | ***maxTxPowerReached***This field is used to indicate whether or not the maximum power level was used for the last transmitted preamble.  | No such field. Remove the field description completely. | pradeepa.ramachandra@ericsson.com |  |
| 34 | ***cellIdentity-eutra-epc, cellIdentity-eutra-5GC***Unambiguously identify a cell within a PLMN and it belongs the first *PLMN-IdentityInfo* IE of *PLMN-IdentityInfoList* in *SIB1*. | Missing ‘to’***cellIdentity-eutra-epc, cellIdentity-eutra-5GC***Unambiguously identify a cell within a PLMN and it belongs to the first *PLMN-IdentityInfo* IE of *PLMN-IdentityInfoList* in *SIB1*. | pradeepa.ramachandra@ericsson.com |  |
| 35 | ***excessDelay***Indicates excess queueing delay ratio in UL, according to excess delay ratio measurement report mapping table, as defined in TS 38.314 [x5], Table 4.2.1.1.1-1.  | No such field. Remove the field description completely. | pradeepa.ramachandra@ericsson.com |  |
| 36 | -- ASN1START-- TAG-ULDELAYVALUECONFIG-STARTUL-DelayValueConfig-r16 ::= SEQUENCE { delay-DRBlist SEQUENCE (SIZE(1..maxDRB)) OF DRB-Identity}-- TAG-ULDELAYVALUECONFIG-STOP-- ASN1STOP | Missing ‘-r16’ | pradeepa.ramachandra@ericsson.com |  |
| 37 | Sensor-NameList-r16 ::= SEQUENCE {  measUncomBarPre-r16 BOOLEAN OPTIONAL, -- Need R measUeSpeed BOOLEAN OPTIONAL, -- Need R measUeOrientation BOOLEAN OPTIONAL -- Need R}-- TAG-SENSORNAMELISTCONFIG-STOP-- ASN1STOP | Missing ‘-r16’ | pradeepa.ramachandra@ericsson.com |  |
| 38 | ***measUncomBarPre***If configured, the UE reports the uncompensated Barometeric pressure measurement as defined in uncompensatedBarometricPressure-r16. | There is no IE called ‘uncompensatedBarometricPressure-r16’. But it is defined in 37.355. Therefore, propose to change the field description as;***measUncomBarPre***If configured, the UE reports the uncompensated Barometeric pressure measurement as defined by *uncompensatedBarometricPressure* is TS 37.355 [YY]. | pradeepa.ramachandra@ericsson.com |  |
| 39 | reportType CHOICE { periodical LoggedPeriodicalReportConfig-r16, eventTriggered LoggedEventTriggerConfig-r16 } | Missing ‘-r16’ | pradeepa.ramachandra@ericsson.com |  |
| 40 | -- ASN1START-- TAG-VARLOGMEAREPORT-STARTVarLogMeasReport-r16 ::= SEQUENCE { absoluteTimeStamp-r16 AbsoluteTimeInfo-r16, traceReference-r16 TraceReference-r16, traceRecordingSessionRef-r16 OCTET STRING (SIZE (2)), tce-Id-r16 OCTET STRING (SIZE (1)), logMeasInfoList-r16 LogMeasInfoList-r16, plmn-IdentityList-r16 PLMN-IdentityList3-r16}-- TAG-VARLOGMEAREPORT-STOP-- ASN1STOP | Missing ‘S’VARLOGMEASREPORT | pradeepa.ramachandra@ericsson.com |  |
| 41 | MeasResultServingCell-r16 ::= SEQUENCE { physCellId PhysCellId OPTIONAL, resultsSSB-Cell MeasQuantityResults OPTIONAL, resultsSSB SEQUENCE{ best-ssb-Index SSB-Index, best-ssb-Results MeasQuantityResults OPTIONAL, numberOfGoodSSB INTEGER (1..maxNrofSSBs) OPTIONAL } OPTIONAL, ...} | Missing ‘-r16’ | pradeepa.ramachandra@ericsson.com |  |
| 42 | [[    simultaneousTCI-UpdateList-r16                   SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    simultaneousTCI-UpdateListSecond-r16             SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    simultaneousSpatial-UpdatedList-r16               SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    simultaneousSpatial-UpdatedListSecond-r16        SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL    -- Need R    ]]In CellGroupConfig IE |     [[    tci-RelationCellList1-r16                    SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    tci-RelationCellList2-r16                    SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    spatialRelationCellList1-r16                 SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL,   -- Need R    spatialRelationCellList2-r16                  SEQUENCE (SIZE (1..maxNrofServingCells)) OF ServCellIndex           OPTIONAL    -- Need R    ]] | Helka-liina.maattanen@ericsson.com |  |
| 43 |  lte-CRS-PatternList-r16 SetupRelease { LTE-CRS-PatternList-r16 } OPTIONAL, -- Cond LTE-CRS lte-CRS-PatternListSecond-r16 SetupRelease { LTE-CRS-PatternList-r16 } OPTIONAL, -- Cond CORESETPoolIN servingCellConfig IE |     lte-CRS-PatternList1-r16             SetupRelease { LTE-CRS-PatternList-r16 }                          OPTIONAL,   -- Cond LTE-CRS    lte-CRS-PatternList2-r16             SetupRelease { LTE-CRS-PatternList-r16 }                          OPTIONAL,   -- Cond CORESETPool | Helka-liina.maattanen@ericsson.com |  |
| 44 | The field description of ***sps-ConfigList*** in IE BWP-DownlinkDedicated“UE specific **multiple** SPS (Semi-Persistent Scheduling) configurations for one BWP.” should be “UE specific **one or multiple** SPS (Semi-Persistent Scheduling) configurations for one BWP.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 45 | The field description of ***configuredGrantConfigList*** in IE BWP-UplinkDedicated“A list of **multiple** configured grant configurations for one BWP.” should be “A list of **one or multiple** configured grant configurations for one BWP.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 46 | The definition of the IE *ConfiguredGrantConfigList*: “The IE *ConfiguredGrantConfigList* is used to configure **multiple** uplink Configured Grant configurations in one BWP.”should be “The IE *ConfiguredGrantConfigList* is used to configure **one or multiple** uplink Configured Grant configurations in one BWP.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 47 | In the field description of IE *ConfiguredGrantConfigList:*“Indicates a list of **multiple** UL Configured Grant configurations to be added or modified.”should be “Indicates a list of **one or multiple** UL Configured Grant configurations to be added or modified.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 48 | In the field description of IE *ConfiguredGrantConfigList:*“Indicates a list of **multiple** UL Configured Grant configurations to be released.”should be “Indicates a list of **one or** **multiple** UL Configured Grant configurations to be released.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 49 | In the definition of IE SPS-ConfigList“The IE *SPS-ConfigList* is used to configure **multiple** downlink SPS configurations in one BWP.”should be “The IE *SPS-ConfigList* is used to configure **one or multiple** downlink SPS configurations in one BWP.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 50 | In the field description of IE SPS-ConfigList“Indicates a list of **multiple** DL SPS configurations to be added or modified“should be“Indicates a list of **one or multiple** DL SPS configurations to be added or modified” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 51 | In the field description of IE SPS-ConfigList“Indicates a list of **multiple** DL SPS configurations to be released.”should be “Indicates a list of **one or multiple** DL SPS configurations to be released.” | The list can have one element and the wording “multiple” is not precise | zhenhua.zou@ericsson.com |  |
| 52 | In the BeamFailureRecoveryConfig field descriptions, for the field description of ra-prioritization and ra-PrioritizationTwoStep, the reference to 38.321 should point to clause 5.1.1a instead of 5.1.1***ra-prioritization***Parameters which apply for prioritized random access procedure for BFR (see TS 38.321 [3], clause 5.1.1).***ra-PrioritizationTwoStep***Parameters which apply for prioritized 2-step random access procedure for BFR (see TS 38.321 [3], clause 5.1.1). | ***ra-prioritization***Parameters which apply for prioritized random access procedure for BFR (see TS 38.321 [3], clause 5.1.1a).***ra-PrioritizationTwoStep***Parameters which apply for prioritized 2-step random access procedure for BFR (see TS 38.321 [3], clause 5.1.1a). | eswar.vutukuri@zte.com.cn |  |
| 53 | *RACH-ConfigCommonTwoStepRA* information elementrach-ConfigGenericTwoStepRA-r16 RACH-ConfigCommonTwoStepRA-r16,The highlighted text should have been RACH-ConfigGenericTwoStepRA-r16 | Change as follows: rach-ConfigGenericTwoStepRA-r16 ~~RACH-ConfigCommonTwoStepRA-r16~~ Rach-ConfigGenericTwoStepRA-r16, | eswar.vutukuri@zte.com.cn |  |
| 54 | 5.7.10.33> set the *rlf-Report* in the *UEInformationResponse* message to the value of *rlf-Report* in *VarRLF-Report*;3> discard the *rlf-Report* from *VarRLF-Report* upon successful delivery of the *UEInformationResponse* message confirmed by lower layers;3> discard the *rlf-Report* from *VarRLF-Report* of TS 36.331 [10] upon successful delivery of the *UEInformationResponse* message confirmed by lower layers; | 3> set the *rlf-Report* in the *UEInformationResponse* message to the value of *rlf-Report* in *VarRLF-Report* of TS 36.331 [10];3> discard the *rlf-Report* from *VarRLF-Report* of TS 36.331 [10] upon successful delivery of the *UEInformationResponse* message confirmed by lower layers; | fanjiangsheng@catt.cn |  |
| 55 | 5.5a.3.23> if the UE is camping normally on an NR cell and if the RPLMN is included in *plmn-IdentityList* stored in *VarLogMeasReport* and, if the cell is part of the area indicated by *areaConfiguration* if configured in *VarLogMeasConfig*:4> perform the logging at regular time intervals, as defined by the *loggingInterval* in the *LoggedEventTriggerConfig*; | 3> if the UE is camping normally on an NR cell and if the RPLMN is included in *plmn-IdentityList* stored in *VarLogMeasReport* and, if the cell is part of the area indicated by *areaConfiguration* if configured in *VarLogMeasConfig*:4> perform the logging at regular time intervals, as defined by the *loggingInterval* in the *periodical*; | fanjiangsheng@catt.cn |  |
| 56 | 5.5a.3.22> else if the *reportType* is set to *eventTriggered*, which indicates *outOfCoverage*:3> perform the logging at regular time intervals as defined by the *loggingInterval* in *VarLogMeasConfig* only when the UE is in any cell selection state;2> else if the *reportType* is set to *eventType* and *eventL1* is indicated:3> perform the logging at regular time intervals as defined by the *loggingInterval* in *VarLogMeasConfig* only when the conditions indicated by the *eventL1* are met; | 2> else if the *reportType* is set to *eventTriggered*, which indicates *outOfCoverage*:3> perform the logging at regular time intervals as defined by the *loggingInterval* in *eventTriggered* only when the UE is in any cell selection state;2> else if the *reportType* is set to *eventType* and *eventL1* is indicated:3> perform the logging at regular time intervals as defined by the *loggingInterval* in *eventTriggered* only when the conditions indicated by the *eventL1* are met; | fanjiangsheng@catt.cn |  |
| 57 | *RadioLinkMonitoringConfig*The IE *RadioLinkMonitoringConfig* is used to configure radio link monitoring for detection of beam- and/or cell radio link failure. See also TS 38.321 [3], clause 5.1.1. | *RadioLinkMonitoringConfig*The IE *RadioLinkMonitoringConfig* is used to configure radio link monitoring for detection of beam- and/or cell radio link failure. See also TS 38.321 [3], clause 5.17. | fanjiangsheng@catt.cn |  |
| 58 | 5.3.5.91> if the received *otherConfig* includes the *BT-NameListConfig*:2> if *BT-NameListConfig* is set to *setup*, attempt to have Bluetooth measurement results available for subsequent measurement report;1> if the received *otherConfig* includes the *WLAN-NameListConfg*:2> if *WLAN-NameListConfg* is set to *setup*, attempt to have WLAN measurement results available for subsequent measurement report;NOTE 2: The UE is requested to attempt to have valid Bluetooth measurements and WLAN measurements whenever sending a measurement report for which it is configured to include these measurements. The UE may not succeed e.g. because the user manually disabled the WLAN or Bluetooth hardware. Further details, e.g. regarding when to activate WLAN or Bluetooth, are up to UE implementation.1> if the received *otherConfig* includes the *Sensor-NameListConfig*:2> if *Sensor-NameListConfig* is set to *setup*, attempt to have Sensor measurement results available for subsequent measurement report; | 1> if the received *otherConfig* includes the *bt-NameList*:2> if *bt-NameList* is set to *setup*, attempt to have Bluetooth measurement results available for subsequent measurement report;1> if the received *otherConfig* includes the *wlan-NameList*:2> if *wlan-NameList* is set to *setup*, attempt to have WLAN measurement results available for subsequent measurement report;NOTE 2: The UE is requested to attempt to have valid Bluetooth measurements and WLAN measurements whenever sending a measurement report for which it is configured to include these measurements. The UE may not succeed e.g. because the user manually disabled the WLAN or Bluetooth hardware. Further details, e.g. regarding when to activate WLAN or Bluetooth, are up to UE implementation.1> if the received *otherConfig* includes the *sensor-NameList*:2> if *sensor-NameList* is set to *setup*, attempt to have Sensor measurement results available for subsequent measurement report; | fanjiangsheng@catt.cn |  |
| 59 | 5.3.5.8.33> if detailed location information is available, set the content of the *LocationInfo* as follows:4> if available, set the *commonLocationInfo* to include the detailed location information;4> if available, set the *bt-LocationInfo* to include the Bluetooth measurement results, in order of decreasing RSSI for Bluetooth beacons;4> if available, set the *wlan-LocationInfo* to include the WLAN measurement results, in order of decreasing RSSI for WLAN APs;4> if available, set the *sensor-LocationInfo* to include the sensor measurement results; | 3> if available, set the content of the *locationInfo* as follows:4> if available, set the *commonLocationInfo* to include the detailed location information;4> if available, set the *bt-LocationInfo* to include the Bluetooth measurement results, in order of decreasing RSSI for Bluetooth beacons;4> if available, set the *wlan-LocationInfo* to include the WLAN measurement results, in order of decreasing RSSI for WLAN APs;4> if available, set the *sensor-LocationInfo* to include the sensor measurement results; | fanjiangsheng@catt.cn |  |
| 60 | 5.3.10.35> if detailed location information is available, set the content of *locationInfo* as follows:6> if available, set the *commonLocationInfo* to include the detailed location information;6> if available, set the *bt-LocationInfo* in *locationInfo* to include the Bluetooth measurement results, in order of decreasing RSSI for Bluetooth beacons;6> if available, set the *wlan-LocationInfo* in *locationInfo* to include the WLAN measurement results, in order of decreasing RSSI for WLAN APs;6> if available, set the *sensor-LocationInfo* in *locationInfo* to include the sensor measurement results; | 5> if available, set the content of *locationInfo* as follows:6> if available, set the *commonLocationInfo* to include the detailed location information;6> if available, set the *bt-LocationInfo* in *locationInfo* to include the Bluetooth measurement results, in order of decreasing RSSI for Bluetooth beacons;6> if available, set the *wlan-LocationInfo* in *locationInfo* to include the WLAN measurement results, in order of decreasing RSSI for WLAN APs;6> if available, set the *sensor-LocationInfo* in *locationInfo* to include the sensor measurement results; | fanjiangsheng@catt.cn |  |
| 61 | 5.5.5.1 General1> if the *includeCommonLocationInfo* is configured in the corresponding *reportConfig* for this *measId* and detailed location information that has not been reported is available, set the content of *commonLocationInfo* of the *locationInfo* as follows:2> include the locationTimestamp;2> include the *locationCoordinate*, if available;2> include the *velocityEstimate*, if available;2> include the *locationError*, if available;2> include the *locationSource*, if available;2> if available, include the *gnss-TOD-msec*,1> if the *includeWLAN-Meas* is configured in the corresponding *reportConfig* for this *measId*, set the *wlan-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the *LogMeasResultWLAN*, in order of decreasing RSSI for WLAN APs;1> if the *includeBT-Meas* is configured in the corresponding *reportConfig* for this *measId*, set the *BT-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the *LogMeasResultBT*, in order of decreasing RSSI for Bluetooth beacons;1> if the *includeSensor-Meas* is configured in the corresponding reportConfig for this *measId*, set the *sensor-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the sensor-MeasurementInformation;2> if available, include the *sensor-MotionInformation*; | 1> if the *includeCommonLocationInfo* is configured in the corresponding *reportConfigNR* for this *measId* and detailed location information that has not been reported is available, set the content of *commonLocationInfo* of the *locationInfo* as follows:2> include the locationTimeStamp;2> include the *locationCoordinate*, if available;2> include the *velocityEstimate*, if available;2> include the *locationError*, if available;2> include the *locationSource*, if available;2> include the *gnss-TOD-msec*, if available;1> if the *includeWLAN-Meas* is configured in the corresponding *reportConfigNR* for this *measId*, set the *wlan-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the *wlan-LocationInfo*, in order of decreasing RSSI for WLAN APs;1> if the *includeBT-Meas* is configured in the corresponding *reportConfigNR* for this *measId*, set the *bt-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the *bt-LocationInfo*, in order of decreasing RSSI for Bluetooth beacons;1> if the *includeSensor-Meas* is configured in the corresponding *reportConfigNR* for this *measId*, set the *sensor-LocationInfo* of the *locationInfo* in the *measResults* as follows:2> if available, include the sensor-MeasurementInformation;2> if available, include the *sensor-MotionInformation*; | fanjiangsheng@catt.cn |  |
| 62 | 5.5a.3.24> include the *locationCoordinates*;3> if *WLAN-NameList* is included in *VarLogMeasConfig*:4> if detailed WLAN measurements are available:5> include *logMeasResultListWLAN*, in order of decreasing RSSI for WLAN APs;3> if *BT-NameList* is included in *VarLogMeasConfig*:4> if detailed Bluetooth measurements are available:5> include *logMeasResultListBT*, in order of decreasing RSSI for Bluetooth beacons;3> if *Sensor-NameList* is included in *VarLogMeasConfig*:4> if detailed Sensor measurements are available:5> include *Sensor-LocationInfo-r16* for sensors; | 4> include the *locationCoordinate*;3> if *wlan-NameList* is included in *VarLogMeasConfig*:4> if detailed WLAN measurements are available:5> include *wlan-LocationInfo*, in order of decreasing RSSI for WLAN APs;3> if *bt-NameList* is included in *VarLogMeasConfig*:4> if detailed Bluetooth measurements are available:5> include *bt-LocationInfo*, in order of decreasing RSSI for Bluetooth beacons;3> if *sensor-NameList* is included in *VarLogMeasConfig*:4> if detailed Sensor measurements are available:5> include *sensor-LocationInfo*for sensors; | fanjiangsheng@catt.cn |  |
| 63 | *LogMeasReport* field descriptions***logMeasResultListBT***and ***logMeasResultListWLAN*** | Remove field description for ***logMeasResultListBT***and ***logMeasResultListWLAN*** as no related IE | fanjiangsheng@catt.cn |  |
| 64 | ***CommonLocationInfo* information element**locationTimestamp-r16 OCTET STRING OPTIONAL,Field ***LocationTimeStamp*** | locationTimeStamp-r16 OCTET STRING OPTIONAL,Field ***locationTimeStamp*** | fanjiangsheng@catt.cn |  |
| 65 | Definition of *BT-NameList* | Change *BT-NameList* to *BT-NameListConfig* for the whole definition | fanjiangsheng@catt.cn |  |
| 66 | Definition of *LogMeasResultListWLAN*Field description name | Use lowercase letters for the whole Field description name. | fanjiangsheng@catt.cn |  |
| 67 | Definition of *Sensor-NameListConfig* ***measUncomBarPre***If configured, the UE reports the uncompensated Barometeric pressure measurement as defined in uncompensatedBarometricPressure-r16 | ***measUncomBarPre***If configured, the UE reports the uncompensated Barometeric pressure measurement as defined in TS 37.355 [x1]; | fanjiangsheng@catt.cn |  |
| 68 | Definition of *WLAN-NameList* | Change *WLAN-NameList* to *WLAN-NameListConfig* for the whole definition | fanjiangsheng@catt.cn |  |
| 69 | *RACH-ConfigDedicated* information elementCFRA-TwoStep-r16 ::= SEQUENCE { occasionsTwoStepRA-r16 SEQUENCE { rach-ConfigGenericTwoStepRA-r16 RACH-ConfigGeneric, … -- Cond SSB-CFRA }  | The IE rach-ConfigGenericTwoStepRA-r16 definition should change to rach-ConfigGenericTwoStepRA-r16 ~~RACH-ConfigGeneric~~ RACH-ConfigGenericTwoStepRA, | erlin.zeng@catt.cn |  |
| 70 | In the definition of PNI-NPN identity,**PNI-NPN identity:** an identifier of a PNI-NPN compromising of a PLMN ID and a CAG -ID combination. | “compromising” should be “comprising” here | zhourui@catt.cn |  |
| 71 | SIB-TypeInfo ::= SEQUENCE { type ENUMERATED {sibType2, sibType3, sibType4, sibType5, sibType6, sibType7, sibType8, sibType9, spare8, spare7, spare6, spare5, spare4, spare3, spare2, spare1,... }, | “sibType10~ sibType14” should be defined as SIB10~SIB14 has been newly added | zhourui@catt.cn |  |
| 72 | In the *“NPN-Identity* field descriptions*”****CAG-Identity***A CAG-ID as specified in TS 23.003 [21]. The PLMN ID and a CAG ID in the *NPN-Identity* identifies a PNI-NPN.***NID***A NID as specified in TS 23.003 [21]. The PLMN ID and a NID in the *NPN-Identity* identifies a SNPN. | Field identifiers shall start with a lowercase letter*~~CAG-Identity~~**cag-Identity****~~NID~~***nid | zhourui@catt.cn |  |
| 73 | In the *“NPN-IdentityInfoList* field descriptions”***NPN-IdentityInfo***The *NPN-IdentityInfo* contains one or more NPN identities and additional information associated with those NPNs. | Suggest to remove the description for ***NPN-IdentityInfo*** as “NPN-IdentityInfo” is a information element,it is not a field | zhourui@catt.cn |  |
| 74 | **Existing text:** SIBs other than *SIB1* and posSIBs are carried in *SystemInformation* (SI) messages**New text:**SIBs (other than *SIB1)* and posSIBs are carried in *SystemInformation* (SI) messages | Ambiguous text. It could be misread that posSIBs are not carried in SI messages. Placing the SIB1 inside parenthesis removes ambiguity. | mani.thyagarajan@nokia.com |  |
| 75 |  sl-OffsetDFN-r16 INTEGER (0..1000) OPTIONAL, -- Need R t400 ENUMERATED {ms100, ms200, ms300, ms400, ms600, ms1000, ms1500, ms2000} OPTIONAL, -- Need Rin SL-ConfigCommonNR-r16 | Suffix of T400 is missing, i.e., “-r16” | qianxi.lu@oppo.com |  |
| 76 | ***sl-TimeResourcePSCCH***Indicates the number of sumbols of PSCCH in a resource pool. | Typo of “sumbols” should be corrected as “symbols” | qianxi.lu@oppo.com |  |
| 77 | – *SL-CBR-TxConfigList*The IE *SL-CBR-CommonTxConfigList* indicates | The name of the IE is not aligned with the description, should be corrected as – *SL-CBR-CommonTxConfigList*The IE *SL-CBR-CommonTxConfigList* indicates | qianxi.lu@oppo.com |  |
| 78 | **3. NR sidelink measurement identities:** A list of NR sidelink measurement identities where each NR sidelink measurement identity links one NR sidelink measurement object with one NR sidelink reporting configuration. By configuring multiple NR sidelink measurement identities, it is possible to link more than one NR sidelink measurement object to the same NR sidelink reporting configuration, as well as to link more than one NR sidelink reporting configuration to the same NR sidelink measurement object. The NR sidelink measurement identity is also included in the NR sidelink measurement report that triggered the reporting, serving as a reference to the network. | This section is for measurement and report via PC5-RRC, so the report is not to network, but the associated peer UE, so it should be corrected to **3. NR sidelink measurement identities:** A list of NR sidelink measurement identities where each NR sidelink measurement identity links one NR sidelink measurement object with one NR sidelink reporting configuration. By configuring multiple NR sidelink measurement identities, it is possible to link more than one NR sidelink measurement object to the same NR sidelink reporting configuration, as well as to link more than one NR sidelink reporting configuration to the same NR sidelink measurement object. The NR sidelink measurement identity is also included in the NR sidelink measurement report that triggered the reporting, serving as a reference to the associated peer UE. | qianxi.lu@oppo.com |  |
| 79 | In 5.5.4.11,***Thresh*** is the threshold parameter for this event (i.e. *s1-Threshold* as defined within *reportConfigNR-SL* for this event).apparently this should be c1-threshold instead of s1-threshold | Correct it to c1-threshold | qianxi.lu@oppo.com |  |
| 80 | In 5.5.4.12,***Thresh*** is the threshold parameter for this event (i.e. *v2-Threshold* as defined within *reportConfigNR-SL* for this event).apparently this should be c2-threshold instead of v2-threshold | Correct it to c2-threshold | qianxi.lu@oppo.com |  |
| 81 | In field description of “*SL-PSSCH* field descriptions”*sl-BetaOffsets* *Configure beta-offset values for the second stage SCI mapping.*There is no such IE of sl-BetaOffsets, so no need for this field description | Remove this field description | qianxi.lu@oppo.com |  |
| 82 | upon indication of consistent uplink LBT failures from SCG MAC: | "; or" is missing before "1> upon indication of consistent uplink LBT failures from SCG MAC:" | jack.jang@samsung.com |  |
| 83 | cg-minDFIDelay | It should be corrected to 'cg-minDFI-Delay' ('-' is missing) | jack.jang@samsung.com |  |
| 84 | channellAccessPriority | It should be corrected to ' channelAccessPriority' (i.e. double l) | jack.jang@samsung.com |  |
| 85 | dl-DCI-triggered-UL-ChannelAccess-CPext | It should be corrected to ' dl-DCI-triggered-UL-ChannelAccess-CP-ext-r16' (i.e. to add '-' after acronym CP). | jack.jang@samsung.com |  |
| 86 | ul-dci-triggered-UL-ChannelAccess-CPext-CAPC | It should be corrected to ' ul-dci-triggered-UL-ChannelAccessCP-ext-CAPC-r16' (i.e. to remove '-' after Access and add '-' after acronym CP). | jack.jang@samsung.com |  |
| 87 | 3> if the UE is in any cell seletion state (as specificed in TS 38.304 [20]): | Spelling errorsSeletion 🡪 selectionSpecified 🡪 specified | pradeepa.ramachandra@ericsson.com |  |
| 88 | In section 5.3.3.7 and 5.3.13.53> set *perRAInfoList* to indicate random access failure information as specified in 5.3.10.3; | As the cause for connection establishment/resume failure might not be due to random access procedure, the term ‘random access failure’ here is nor appropriate. We propose to change it to ‘random access procedure related’ i.e.,3> set *perRAInfoList* to indicate random access ~~failure~~ procedure related information as specified in 5.3.10.3; | pradeepa.ramachandra@ericsson.com |  |
| 89 | **Existing text: 5.3.5.13**The network configures the UE with one or more candidate target SpCells in the conditional configuration. The UE evaluates the condition of each configured candidate target SpCell. The UE applies the conditional configuration associated with one of the target SpCells which fulfils associated execution condition. The network provides the configuration parameters for the target SpCell in the *ConditionalReconfiguration* IE.**New text:**The network configures the UE with one or more candidate target SpCells in the conditional configuration. The UE evaluates the condition of each configured candidate target SpCell. The UE applies the conditional configuration associated with one of the target SpCells which fulfils associated execution condition. The network provides the configuration parameters for the target SpCells in the *ConditionalReconfiguration* IE. | The field *conditionReconfiguration* can include more than one target SpCells configuration. | chandrika@catt.cn |  |
| 90 | Section 5.3.10.3:4> set the *ssbRLMConfigBitmap* and/or *csi-rsRLMConfigBitmap* in *measResultLastServCell* to include the radio link monitoring configuration of the source PCell; | The same text in context of HO failure (exists in section 5.3.5.8.3) – but over there it makes sense. Here “source PCell” does not exist, as the section specify RLF failure related actions.Change to:4> set the *ssbRLMConfigBitmap* and/or *csi-rsRLMConfigBitmap* in *measResultLastServCell* to include the radio link monitoring configuration of the PCell where radio link failure is detected;; | malgorzata.tomala@nokia.com |  |
| 91 | *UEInformationResponse-IEs* field descriptions***ra-Report***This field is used to provide the list of RA reports that is stored by the UE for the past upto *maxRAReport-r16* number of successful random access procedues. | Change the field name to:ra-ReportList | malgorzata.tomala@nokia.com |  |
| 92 | 5.7.10.3 Reception of the UEInformationRequest message1> if *ra-ReportReq* is set to *true* and the UE has random access related information available in *VarRA-Report* and if the RPLMN is included in *plmn-IdentityList* stored in *VarRA-Report*:2> set the *ra-Report* in the *UEInformationResponse* message to the value of *ra-Report* in *VarRA-Report*;2> discard the *ra-Report* from *VarRA-Report* upon successful delivery of the *UEInformationResponse* message confirmed by lower layers; | Change to:1> if *ra-ReportReq* is set to *true* and the UE has random access related information available in *VarRA-Report* and if the RPLMN is included in *plmn-IdentityList* stored in *VarRA-Report*:2> set the *ra-ReportList* in the *UEInformationResponse* message to the value of *ra-ReportList* in *VarRA-Report*;2> discard the *ra-ReportList* from *VarRA-Report* upon successful delivery of the *UEInformationResponse* message confirmed by lower layers; | malgorzata.tomala@nokia.com |  |
| 93 |     raPurpose-r16                          ENUMERATED {accessRelated, beamFailureRecovery, reconfigurationWithSync, ulUnSynchronized,                                                  schedulingRequestFailure, noPUCCHResourceAvailable, sCellAdditionTAAdjestment,                                                  requestForOtherSI, spare8, spare7, spare6, spare5, spare4, spare3, spare2, spare1}, | Change to:sCellAdditionTAAdjustment | malgorzata.tomala@nokia.com |  |
| 94 | 5.3.5.3 Reception of an RRCReconfiguration by the UE2> if the UE transmitted a *UEAssistanceInformation* message during the last 1 second, and the UE is still configured to provide UE assistance information: | Remove underline  | malgorzata.tomala@nokia.com |  |
| 95 | ***candidateBeamRSList, candidateBeamRSListExt-r16***A list of reference signals (CSI-RS and/or SSB) identifying the candidate beams for recovery and the associated RA parameters. The network configures these reference signals to be within the linked DL BWP (i.e., within the DL BWP with the same *bwp-Id*) of the UL BWP in which the *BeamFailureRecoveryConfig* is provided. | Remove "-r16" for the name of candidateBeamRSListExt-r16 in field description. | seungri.jin@samsung.com |  |
| 96 | maxNrofServingCells-r16 INTEGER ::= ffsValue -- Maximum number of serving cells in simultaneousTCI-UpdateList.maxNrofServingCellsTCI-r16 INTEGER ::= ffsValue -- | Remove maxNrofServingCells-r16 in 6.4 and add the comments (i.e. -- Maximum number of serving cells in simultaneousTCI-UpdateList) to the maxNrofServingCellsTCI-r16 | seungri.jin@samsung.com |  |
| 97 | PDSCH-TimeDomainResourceAllocationList-v16xy ::= SEQUENCE (SIZE(1..maxNrofDL-Allocations)) OF PDSCH-TimeDomainResourceAllocation-v16xyPDSCH-TimeDomainResourceAllocation-v16xy ::= SEQUENCE { repetitionNumber-r16 ENUMERATED {n2, n3, n4, n5, n6, n7, n8, n16} OPTIONAL -- Need R} | change IE name of PDSCH-TimeDomainResourceAllocation-v16xy to PDSCH-TimeDomainResourceAllocation-r16. | seungri.jin@samsung.com |  |
| 98 | maxNrofSRS-PathlossReferenceRS-r16-1 INTEGER ::= ffsValue --  | change the variable name for maxNrofSRS-PathlossReferenceRS-r16-1 to maxNrofSRS-PathlossReferenceRS-1-r16 | seungri.jin@samsung.com |  |
| 99 | ***bh-RLC-ChannelToAddModList***Configuration of the MAC Logical Channel, the corresponding backhaul RLC enitities to be added and modified. | Typo. Change ‘enitities’ to ‘entities’. | m.tesanovic@samsung.com |  |
| 100 | ***bap-Address***BAP address of node that is hosting this cell group. | Unusual choice of words. Change ‘hosting’ to ‘serving’. | m.tesanovic@samsung.com |  |
| 101 | ***Bap-Address***The ID of a destination IAB node or IAB donor-DU used in the BAP header. | The "Bap-Address" is defined here as "The ID of a destination IAB node or IAB donor-DU used in the BAP header". However, this Routing ID is only for default uplink routing. So, it should be "The ID of IAB donor-DU used in the BAP header" | m.tesanovic@samsung.com |  |
| 102 | ***iab-Support***This field combines both the support of IAB-node and the cell status for IAB-node. If the field is present, the cell supports IAB-nodes and the cell is also considered as a candidate for IAB-nodes; if the field is absent, the cell does not support IAB and/or the cell is barred for IAB-node. | Change to:'This field combines both the support of IAB-node and the cell status for IAB-node. If the field is present, the cell supports IAB-nodes and the cell is also considered as a candidate parent node for IAB-nodes; if the field is absent, the cell does not support IAB and/or the cell is barred for IAB-nodes.' | m.tesanovic@samsung.com |  |
| 103 | BAP-Config-r16 ::= SEQUENCE { bap-Address-r16 BIT STRING (SIZE (10)), defaultUL-BAProutingID-r16 BAP-Routing-ID-r16 OPTIONAL, -- Need FFS defaultUL-BH-RLC-Channel-r16 BH-LogicalChannelIdentity-r16 OPTIONAL, -- Need M ...} | The IE name 'defaultUL-BAProutingID-r16' can be updated to 'defaultUL-BAP-routingID-r16' to follow the convention (i.e. BAP (acronym) is followed by '-') | m.tesanovic@samsung.com |  |
| 104 | ***iab-NodeIndication-r16***This field is used to indicate that the connection is being established by an IAB-node [2]. | The suffix '-r16' from 'iab-NodeIndication-r16' should be removed from the field description title (not from ASN.1 code). | m.tesanovic@samsung.com |  |
| 105 | AvailabilityIndicator-r16 ::= SEQUENCE { ai-RNTI-r16 AI-RNTI-r16, dci-PayloadSize-AI-r16 INTEGER (1..maxAI-DCI-PayloadSize-r16), availableCombToAddModList-r16 SEQUENCE (SIZE(1..maxNrofAssociatedDUCellsPerMT-r16)) OF AvailabilityCombinationsPerCell-r16 OPTIONAL, -- Need FFS availableCombToReleaseList-r16 SEQUENCE (SIZE(1..maxNrofDUCells-r16)) OF CellIdentity OPTIONAL, -- Need FFS ...} | The field name 'dci-PayloadSize-AI-r16' can be updated to 'dci-PayloadSizeAI-r16' (i.e. no '-' after Size: '-' is placed only after acronym) | m.tesanovic@samsung.com |  |
| 106 | maxNrofDUCells-r16 INTEGER ::= 512 -- Max number of cells configured on the collocated IAB-DUmaxNrofAssociatedDUCellsPerMT-r16 INTEGER ::= 65535 -- FFSmaxNrofAvailabilityCombinationsPerSet-r16 INTEGER ::= 512 -- Max number of AvailabilityCombinationId used in the DCI format 2\_5… | The constant name 'maxNrofAssociatedDUCellsPerMT' can be updated to 'maxNrofAssociatedDU-CellsPerMT' | m.tesanovic@samsung.com |  |
| 107 | – *BAP-Routing-ID*The IE *BAP-Routing-ID* is used for IAB nodes to configure the default uplink Routing ID.***BAP-Routing-ID* information element**etc | The IE name 'BAP-Routing-ID' can be updated to 'BAP-RoutingID' | m.tesanovic@samsung.com |  |
| 108 | ***Bap-Address***The ID of a destination IAB node or IAB donor-DU used in the BAP header. | The field name should begin with lower case in the field description title (i.e. it should be bap-Address). | m.tesanovic@samsung.com |  |
| 109 | ***Bap-PathId***The ID of a path used in the BAP header. | The field name should begin with lower case in the field description title (i.e. it should be bap-PathId). | m.tesanovic@samsung.com |  |
| 110 | ***ssb-MTC-Periodity***SMTC window periodicity. | Generally, current SSB-MTC3 field descriptions are rather sparse. ssb-MTC-Periodity could be extended to "The periodicity of the measurement window in which to receive SS, in number of subframes."Also, typo: change ***ssb-MTC-Periodity*** to ***ssb-MTC-Periodicity*** | m.tesanovic@samsung.com |  |
| 111 | ***ssb-MTC-Timingoffset***SMTC window timing offset. | ssb-MTC-Timingoffset description could be enhanced to "The offset of the measurement window in which to receive SS, see 5.5.2.10. Periodicity and offset are given in number of subframes. | m.tesanovic@samsung.com |  |
| 112 | ***ssb-MTC-Duration***SMTC window duration. | ssb-MTC-Duration could become "Duration of the measurement window in which to receive SS. It is given in number of subframes (see TS 38.213 [13], clause 4.1)" | m.tesanovic@samsung.com |  |
| 113 | ***ssb-MTC-pci-List***List of physical cell IDs to be measured. | ssb-MTC-pci-List could become "PCIs that are known to follow this SMTC, used for IAB node discovery." | m.tesanovic@samsung.com |  |
| 114 | ***pdcp-Duplication***Indicates whether or not uplink duplication status at the time of receiving this IE is configured and activated as specified in TS 38.323 [5]. The presence of this field indicates that duplication is configured. PDCP duplication is not configured for CA packet duplication of LTE RLC bearer. The value of this field, when the field is present, indicates the initial state of the duplication. If set to *true*, duplication is activated. The value of this field is always *true*, when configured for a SRB. This field is absent, if the field *moreThanTwoRLC* is present. | “an SRB” instead of “a SRB” | sangkyu.baek@samsung.com |  |
| 115 | 2> add the SCell, corresponding to the *sCellIndex*, in accordance with the *sCellConfigCommon* and *sCellConfigDedicated*;2> if the *sCellState* is included and set to *activated*:3> configure lower layers to consider the SCell to be in activated state;2> else:3> configure lower layers to consider the SCell to be in deactivated state; | There statement regarding *sCellState* should be removed as covered by the general statement concerning sCellConfigDedicated (same for modification in this section) | Himke van der Velde at Samsung |  |
| 116 | Upon receiving the *DLInformationTransferMRDC*, the UE shall:1> if the *RRCReconfiguration* message is included in *dl-DCCH-MessageNR*:2> perform the RRC reconfiguration procedure according to 5.3.5.3;1> else if the *RRCRelease* message is included in *dl-DCCH-MessageNR*:2> perform the RRC release procedure according to 5.3.8;1> else if the E-UTRA *RRCConnectionReconfiguration* message is included in *dl-DCCH-MessageEUTRA*:2> perform the RRC connection reconfiguration procedure as specified in TS 36.331 [10], clause 5.3.5.3;1> else if the E-UTRA *RRCConnectionRelease* message is included in *dl-DCCH-MessageEUTRA*:2> perform the RRC connection release as specified in TS 36.331 [10], clause 5.3.8; | There is no need to list each message (we don’t do anything like this for DL-DCCH). Any constraints regarding which messages network may include should be specified in field description, as done in other cases. | Himke van der Velde at Samsung |  |
| 117 | Parameters for cross-carrier scheduling, i.e., a serving cell is scheduled by a PDCCH on another (scheduling) cell. The network configures this field only for SCells. When SCS of scheduling PDCCH is different from SCS of scheduled PDSCH, the time gap delta-values between the end of the PDCCH and start of the PDSCH is required to be not smaller than the minimal values specified in TS 38.214 [19]. | Seems not really appropriate to (also) include this also in RAN2 specs | Himke van der Velde at Samsung |  |
| 118 | 5.2.2.3.5 Request for on demand system information in RRC\_CONNECTED The UE shall:1> if the UE is in RRC\_CONNECTED with an active BWP not configured with common search and the UE has not stored a valid version of a SIB, in accordance with sub-clause 5.2.2.2.1, of one or several required SIB(s), in accordance with sub-clause 5.2.2.1: | The word “space” is missed here, should be added1> if the UE is in RRC\_CONNECTED with an active BWP not configured with common search space and the UE has not stored a valid version of a SIB | zhourui@catt.cn |  |
| 119 | **In 3.1 Definition:****PNI-NPN identity:** an identifier of a PNI-NPN compromising of a PLMN ID and a CAG -ID combination. | Capital ‘A’ for ‘An’ | Seau.s.lim@intel.com |  |
| 120 | **In 3.1 Definition:****SNPN identity:** an identifier of an SNPN comprising of a PLMN ID and an NID combination. | Capital ‘A’ for ‘An’‘an NID’ should ‘a NID’ | Seau.s.lim@intel.com |  |
| 121 | In Section 5.2.2.4.11:1> Forward the *HRNN-list* entries with the corresponding PNI-NPN and SNPN identities to upper layers; | Small letter for ‘Forward’ | Seau.s.lim@intel.com |  |
| 122 | In SIB10 in section 6.3.1 (field description for HRNN-List):***HRNN-List***The same amount of HRNN elements as the number of NPNs in SIB 1 are included. The *n*-th entry of *HRNN-List* contains the human readable network name of the *n-*th NPN of SIB1. The corresponding entry in *HRNN-List* is absent if there is no HRNN associated with the given NPN. | In ‘The *n*-th entry of *HRNN-List* contains the human readable network name of the *n-*th NPN of SIB1.’, the human readable network name should be changed to HRNN to be consistent.In ‘The corresponding entry in *HRNN-List* is absent if there is no HRNN associated with the given NPN.’, ‘given’ should be changed to ‘corresponding’ | Seau.s.lim@intel.com |  |
| 123 | In Section 5.3.3.4:3> set the *selectedPLMN-Identity* to the PLMN or SNPN selected by upper layers (TS 24.501 [23]) from the PLMN(s) included in the *plmn-IdentityList* or npn-IdentityInfoList in *SIB1*; | npn-IdentityInfoList should be italised | Seau.s.lim@intel.com |  |
| 124 | In Section 6.3.2 under the field description of NPN-IdentityInfoList:trackingAreaCoderanac | CellIdentity needs to italised | Seau.s.lim@intel.com |  |
| 125 | In Section 6.3.2 under the field description of NPN-IdentityInfoList:Duplicate trackingAreaCode | Remove one of them | Seau.s.lim@intel.com |  |
| 126 | In Section 4.2.2:For operation with shared spectrum channel access, SRB0, SRB1 and SRB3 are assigned with the highest priority Channel Access Priority Class (CAPC), (i.e. CAPC = 1) while CAPC for SRB2 is configurable. | Either remove the ‘,’ or move it after (i.e. CAPC=1)Also may be also best to remove Channel Access Priority Class and just use CAPC | Seau.s.lim@intel.com |  |
| 127 | In Section 5.2.2.2.2:2> stop monitoring PDCCH monitoring occasion(s) for paging in this Paging Occasion (PO). | ‘Paging Occasion (PO)’ should just be ‘paging occasion’ to align with other part in the section | Seau.s.lim@intel.com |  |
| 128 | In section 5.5.1:**2. Reporting configurations:** A list of reporting configurations where there can be one or multiple reporting configurations per measurement object. Each measurement reporting configuration consists of the following:- Reporting criterion: The criterion that triggers the UE to send a measurement report. This can either be periodical or a single event description.- RS type: The RS that the UE uses for beam and cell measurement results (SS/PBCH block or CSI-RS).- Reporting format: The quantities per cell and per beam that the UE includes in the measurement report (e.g. RSRP) and other associated information such as the maximum number of cells and the maximum number beams per cell to report.In case of conditional configuration triggering configuration, each configuration consists of the following:- Execution criteria: The criteria that triggers the UE to perform conditional configuration execution.- RS type: The RS that the UE uses for beam and cell measurement results (SS/PBCH block or CSI-RS) for conditional configuration execution condition.**3. Measurement identities:** For measurement reporting, a list of measurement identities where each measurement identity links one measurement object with one reporting configuration. By configuring multiple measurement identities, it is possible to link more than one measurement object to the same reporting configuration, as well as to link more than one reporting configuration to the same measurement object. The measurement identity is also included in the measurement report that triggered the reporting, serving as a reference to the network. For conditional configuration triggering, one measurement identity links to exactly one conditional configuration trigger configuration. And up to 2 measurement identities can be linked to one conditional configuration execution condition. | The wording conditional configuration triggering configuration seems confusing. We can simply replace with ‘conditional configuration’. Therefore, proposal to remove ‘triggering configuration’. | Candy.yiu@gmail.com |  |
| 129 | In section 5.3.5.13.3:2> if the entry in condConfigToAddModList includes an condExecutionCond;3> replace the entry with the value received for this *condConfigId*;2> else:3> keep the stored *condExecutionCond* as the target candidate configuration for this *condConfigId*;2> if the entry in condConfigToAddModList includes an condRRCReconfig;2> replace the entry with the value received for this *condConfigId*;2> if the entry in *condConfigToAddModList* does not include an *condRRCReconfig*;3> keep the stored *condRRCReconfig* as the target candidate configuration for this *condConfigId*; | ‘an’ should change to ‘a’ | candy.yiu@intel.com |  |
| 130 | In section 5.3.5.13.4:4> consider the event associated to that *measId* to be fulfilled;3> if the leaving condition(s) applicable for this event associated with the *condConfigId*, i.e. the event corresponding with the *condEventId(s)* of the corresponding *condTriggerConfig* within *VarConditionalConfig*, is fulfilled for the applicable cells for all measurements after layer 3 filtering taken during the corresponding *timeToTrigger* defined for this event within the *VarConditionalConfig*: | Level 4 need to be indented correctly and add new line to the next level 3. | candy.yiu@intel.com |  |
| 131 | In section 5.3.5.13.4:NOTE: Up to 2 *MeasId* can be configured for each *condConfigId.* The conditional handover event of the 2 *MeasId* may have the same or different event conditions, triggering quantity, time to trigger, and triggering threshold. | ‘The conditional handover event’ should be replaced by ‘The event(s) associated with the conditional configuration’Because this applies to both handover and PSCell change.  | candy.yiu@intel.com |  |
| 132 | In section 5.3.3.7:The UE may discard the connection establishment failure information, i.e. release the UE variable VarConnEsFailReport, 48 hours after the last connection establishment failure is detected. | ‘VarConnEsFailReport’ should be italic. | candy.yiu@intel.com |  |
| 133 | In Section 6.3.2 MsgA-PUSCH-Config field descriptions***msgA-PUSCH-ResourceList***MsgA PUSCH resources that the UE shall use when performing MsgA transmission. The number of resources need to be consistent with the number of configured preamble groups in *RACH-ConfigCommonTwoStepRA* in the configured BWP. If field is not configured for the selected UL BWP, the UE shall use the MsgA PUSCH configuration of initial UL BWP.  | ‘need’ should be singular ‘needs’ | Seau.s.lim@intel.com |  |
| 134 | In Section 6.3.2 MsgA-PUSCH-Config field descriptions***msgA-TransformPrecoder***Enables or disables the transform precoder for MsgA transmission (see clause 6.1.3 of TS 38.214 [19]). If the parameter is not configured, the UE shall follow the parameter *msg3-TransformPrecoder* of 4-step type RA for the configured BWP for msgA PUSCH if 4-step type RA is configured (i.e if the msg3-Transform-Precoder is included then it shall be enabled, else disabled). | ‘parameter’ should be changed to ‘field’ | Seau.s.lim@intel.com |  |
| 135 | In Section 6.3.2 MsgA-PUSCH-Config field descriptions***mappingTypeMsgA-PUSCH***PUSCH mapping type A or B. If the field is absent, the UE shall use the parameter *msgA-PUSCH-TimeDomainAllocation* (see TS 38.213 [13], clause 8.1A).  | ‘parameter’ should be changed to ‘field’ | Seau.s.lim@intel.com |  |
| 136 | In section 5.2.2.4.10 Upon receiving *SIB9* with r*eferenceTimeInfo* | “r” should be italic. | ansab.ali@intel.com |  |
| 137 | In Section 6.3.2 *lch-BasedPrioritization* field descriptionIf this field is present, the UE is configured with prioritization between overlapping grants and between scheduling request and overlapping grants based on LCH priority, see see TS 38.321 [3]. | The duplicated “see” should be removed. | ansab.ali@intel.com |  |
| 138 | In Section 6.3.2 *sps-ConfigDeactivationStateList* Field descriptionIndicates a list of the deactivation states in which each state can be mapped to a single or multiple SPS configurations to be deactivated, see clause 10.2 in TS 38.213 [13] . | The space after “[13]” should be removed. | ansab.ali@intel.com |  |
| 139 | Section 6.3.2 *pdsch-CodeBlockGroupTransmissionList* Field descriptionA list of configuration for up to two simultaneously constructed HARQ-ACK codebooks (see TS 38.213 [13], clause 9.3). | configuration  configurations | ansab.ali@intel.com |  |
| 140 | Section 6.3.2 *pdsch-HARQ-ACK-CodebookList* Field descriptionA list of configuration for at least two simultaneously constructed HARQ-ACK codebooks. | configuration  configurations | ansab.ali@intel.com |  |
| 141 | In section 5.3.3.1a*SIB12* does not include *sl-TxPoolSelectedNormal* for the concerned frequency; | ; should be . | ansab.ali@intel.com |  |
| 142 | In section 5.3.5.92> if sl-AssistanceConfigNR is set to true: | Missing italics | ansab.ali@intel.com |  |
| 143 | In section 5.3.5.93> consider itself not to be configured to provide configured grant assistance information for NR sidelink communication; | ; should be . | ansab.ali@intel.com |  |
| 144 | In section 5.3.3.1a:“In addition, The UE considers the new NR”… | Unnecessary capitalization, The should be , the | ansab.ali@intel.com |  |
| 145 | In section 5.3.5.14:1> if sl-ScheduledConfig is included in *sl-ConfigDedicatedNR* within RRCReconfiguration: | Missing italics | ansab.ali@intel.com |  |
| 146 | In Section 5.3.13.1a:2> if the frequency on which the UE is configured to transmit NR sidelink communication is included in *sl-FreqInfoList* within *SIB12* provided by the cell on which the UE camps; and if the valid version of *SIB12* does not include *sl-TxPoolSelectedNormal* for the concerned frequency; | ; should be . | ansab.ali@intel.com |  |
| 147 | In section 5.5.2.5:6> add a new entry for the received identity of the transmission resource pool to the *tx-PoolMeasToAddModList*; | ; should be . | ansab.ali@intel.com |  |
| 148 | In section 5.5.1:The configurations related to CBR measurments are only included in the *measConfig* associated with MCG. | Typo “measurments” | ansab.ali@intel.com |  |
| 149 | In section 5.7.4.3:1> if configured to provide configured grant assistance information for NR sidelink communication:2> include the sl-UE-AssistanceInformationNR; | Missing italics and ; should be . | ansab.ali@intel.com |  |
| 150 | In section 5.7.4.2:2> initiate transmission of the *UEAssistanceInformation* message in accordance with 5.7.4.3 to provide configured grant assistance information for NR sidelink communication; | ; should be . | ansab.ali@intel.com |  |
| 151 | In Section 5.8.21> if the UE has no serving cell (RRC\_IDLE); | ; should be . | ansab.ali@intel.com |  |
| 152 | In section 5.3.3.1a:2> if the frequency on which the UE is configured to transmit NR sidelink communication is included in *sl-FreqInfoList* within *SIB12* provided by the cell on which the UE camps; and if the valid version of *SIB12* does not include *sl-TxPoolSelectedNormal* for the concerned frequency; | ; should be . | ansab.ali@intel.com |  |
| 153 | Section 5.8.5.2 *MasterInformationBlockSidelink* as specified in 5.8.9.4.3; | ; should be . | ansab.ali@intel.com |  |
| 154 | Section 5.8.5.3in *SL-PreconfigurationNR* corresponding to the concerned frequency; | ; should be . | ansab.ali@intel.com |  |
| 155 | Section 5.8.6.25> Other UEs, starting with the UE with the highest S-RSRP result (priority group 3); | ; should be . | ansab.ali@intel.com |  |
| 156 | Section 5.8.6.33> use the PCell or the serving cell as reference, if needed;  | ; should be . | ansab.ali@intel.com |  |
| 157 | Section 5.8.7pool of resources that were preconfigured by *sl-RxPool* in *SL-PreconfigurationNR*, asdefined in sub-clause 9.3; | ; should be . | ansab.ali@intel.com |  |
| 158 | Section 5.8.85> if *SIB12* includes *sl-TxPoolSelectedNormal* for the concerned frequency,and a result of sensing on the resources configured in the *sl-TxPoolSelectedNormal* is available in accordance with TS 38.213 [13] | Missing : | ansab.ali@intel.com |  |
| 159 | Section 5.8.9.1.1.the configuration of the peer UE to peform NR sidelink measurement and report. | Typo: perform | ansab.ali@intel.com |  |
| 160 | Section 5.8.9.1.21> start timer T400 for the destination associated with the sidelink DRB; | ; should be . | ansab.ali@intel.com |  |
| 161 | In Section 5.8.9.1.3:1. if the RRCReconfigurationSidelink includes the slrb-ConfigToReleaseList:

…1> if the RRCReconfigurationSidelink includes the slrb-ConfigToAddModList:3> apply the sl-MappedQoS-FlowsToAddList and sl-MappedQoS-FlowsToReleaseList, if included; | Should be in italics | ansab.ali@intel.com |  |
| 162 | Section 5.8.9.1.33> submit the *RRCReconfigurationCompleteSidelink* message to lower layers for transmission; | ; should be . | ansab.ali@intel.com |  |
| 163 | In Section 5.8.9.1.4.1:which is (re)configured by receiving *RRCReconfigurationSidelink*, has no data; | ; should be . | ansab.ali@intel.com |  |
| 164 | Section 5.8.9.1.4.22> if the RRCReconfigurationSidelink is received: | Missing italics | ansab.ali@intel.com |  |
| 165 | Section 5.8.9.1.4.23> perform the sidelink UE information procedure in sub-caluse 5.8.3 for unicast if need;  | Typo “need” should be “needed”; should be ., before “if needed;” | ansab.ali@intel.com |  |
| 166 | Section 5.8.9.1.5.11> if any of the sidelink DRB related parameters | Remove extra space | ansab.ali@intel.com |  |
| 167 | Section 5.8.9.1.5….the NR sidelink communications parameters provided in | Should be communication | ansab.ali@intel.com |  |
| 168 | Section 5.8.9.1.5*SidelinkPreconfigNR* or *RRCReconfigurationSidelink* for one sidelink DRB*,* which is established; | ; should be . | ansab.ali@intel.com |  |
| 169 | Section 5.8.9.1.5.2in sub-caluse 5.8.3 for unicast if need; | Typo sub-clause; and need => needed | ansab.ali@intel.com |  |
| 170 | Section 5.8.9.1.72> release the PDCP entity, RLC entity and the logical channel of the sidelink SRB(s) for PC5-S message of the specific destination; | ; should be . | ansab.ali@intel.com |  |
| 171 | Section 5.8.9.1.82> perform the sidelink UE information for NR sidelink communication procedure, as specified in 5.8.3.3 or sub-clause 5.10.X in TS 36.331 [10]; | ; should be . | ansab.ali@intel.com |  |
| 172 | In Section 5.8.9.3:3> perform the sidelink UE information for NR sidelink communication procedure, as specified in 5.8.3.3 or sub-clause 5.10.X in TS 36.331 [10]; | ; should be . | ansab.ali@intel.com |  |
| 173 | Section 5.8.9.4.1:2> ensure having a valid version of the *MasterInformationBlockSidelink* message of that SyncRef UE; | ; should be . | ansab.ali@intel.com |  |
| 174 | Section 5.8.9.4.31> if in coverage on the frequency used for the NR sidelink communication as defined in TS 38.304 [20]. | . should : | ansab.ali@intel.com |  |
| 175 | Section 5.8.9.4.31> submit the *MasterInformationBlockSidelink* to lower layers for transmission upon which the procedure ends; | ; should be . | ansab.ali@intel.com |  |
| 176 | Section 5.8.10.2.1perform the sidelink measurement identity addition/modification procedure as specified in 5.8.10.2.3 | ; should be . | ansab.ali@intel.com |  |
| 177 | Section 5.8.10.3.1connection as configured by the peer UE associated, | Should be associated peer UE (throughout the different sections?) | ansab.ali@intel.com |  |
| 178 | Section 5.8.10.3.1*MeasObject*, as described in 5.8.10.3.2 | Missing ; | ansab.ali@intel.com |  |
| 179 | Section 5.8.10.3.2The UE may be configured by the peer UE associated | Should be “associated peer UE” | ansab.ali@intel.com |  |
| 180 | Section 5.8.10.4.11. set the sl-NumberOfReportsSent defined within the VarMeasReportListSL for this sl-MeasId to 0;
2. include the concerned NR sidelink frequency in the sl-FrequencyTriggeredList defined within the VarMeasReportListSL for this sl-MeasId;

if the sl-FrequencyTriggeredList defined within the VarMeasReportListSL for this sl-MeasId is empty: | Missing italics  | ansab.ali@intel.com |  |
| 181 | Section 5.8.11 **L** and **W**are | Missing space between **W** and are | ansab.ali@intel.com |  |
| 182 | Section 5.8.11sl-ZoneLength included in sl-ZoneConfig; | Missing italics | ansab.ali@intel.com |  |
| 183 | In Section 7.1.1:T400 Upon transmission of RRCReconfigurationSidelink Upon reception of RRCReconfigurationFailureSidelink or RRCReconfigurationCompleteSidelink | Missing italics | ansab.ali@intel.com |  |
| 184 | Section 9.1.1.5 >t-Reassembly Undefined Selected by the receiving UE, up to Up to UE implementation | Typo: “up to” is repeated (Several occasions) | ansab.ali@intel.com |  |
| 185 | In section 9.3 ***sl-PreconfigFreqInfoList*** field description:This field indicates the NR sidelink communication configuration some carrier frequency(ies). In this relase, only one SL-FreqConfig can be configured in the list. | Typo release | ansab.ali@intel.com |  |
| 186 | In section 6.6.2 *RRCReconfigurationSidelink* field descriptionThe *RRCReconfigurationSidelink* message is the command to AS configuration of the PC5 RRC connection. | Possible type missing connecting word ‘perform’  | ansab.ali@intel.com |  |
| 187 | In section 6.3.5, field description of *SL-BWP-PoolConfigCommon*The IE *SL-BWP-PoolConfigCommon* is used to configure configure the cell-specific | Additional word | ansab.ali@intel.com |  |
| 188 | In section 6.3.5, field description of *SL-ConfigDedicatedEUTRA*The IE *SL-ConfigDedicatedEUTRA* specifies the dedicated configuration information forV2X sidelink communication defined in TS 36.331 [10]. | Missing space | ansab.ali@intel.com |  |
| 189 | In section 6.3.5, field description of *SL-MeasConfigCommon*The IE *SL-MeasConfigCommon* is used to set the cell specific RSRP measurement configurations for unicast destionations.*SL-MeasConfigInfo*The IE *SL*-*MeasConfigInfo* is used to set RSRP measurement configurations for unicast destionations. | Typo | ansab.ali@intel.com |  |
| 190 | In section 6.3.5, field description of *SL-MeasIdList*The IE *SL*-*MeasIdList* concerns a list of SL measurement identities to add or modify for a destination, with for each entry the *sl-MeasId*, the associated *sl-MeasObjectId* and the associated *sl-ReportConfigId*. | Suggestion: with for each entry of … | ansab.ali@intel.com |  |
| 191 | In section 6.3.5, field description of *SL-QoS-Profile*The IE *SL-QoS-Profile* is used to give the QoS parameters for a sidelink QoS flow. | Consider ‘provide’ instead of ‘give’ | ansab.ali@intel.com |  |
| 192 | In section 6.6.2, field description of *SL-QuantityConfig*The IE *SL*-*QuantityConfig* specifies the layer 3 filtering coefficients for NR SL RSRP measurement a destination. | Missing connecting word ‘for’ | ansab.ali@intel.com |  |
| 193 | In section 6.6.2, field description of *SL-QuantityConfig****sl-FilterCoefficientDMRS***DMRS based L3 filter configuration:Specifies L3 fitler configuration for sidelink RSRP measurment result from the L1 fiter(s), as defined in TS 38.215 [9]. | Typo | ansab.ali@intel.com |  |
| 194 | ***sl-ReportInterval***Indicates the interval between periodical reports (i.e., when sl-ReportAmount exceeds 1) for *sl-EventTriggered* report type. | Missing italics | ansab.ali@intel.com |  |
| 195 | *EventTriggerConfig* field descriptionsThey are contriners with contents being SL-CBR IE as specified in TS 36.331 [10]. | s | ansab.ali@intel.com |  |
| 196 | ***reportAmount***Number of measurement reports applicable for eventTriggered as well as for periodical report types. | Missing italics | ansab.ali@intel.com |  |
| 197 | In section 5.5.3.1: An RRC\_CONNECTED UE shall derive cell measurement results by measuring one or multiple beams associated per cell as configured by the network, as described in 5.5.3.3. For all cell measurement results and CLI measurement results in RRC\_CONNECTED, except for RSSI, the UE applies the layer 3 filtering as specified in 5.5.3.2, before using the measured results for evaluation of reporting criteria, measurement reporting or the criteria to trigger conditional configuration execution. | Does it include CSI-RSSI? If yes, we need to add ‘except for RSSI and CSI-RSSI'. If not, we may need to clarify CSI-RSSI still required layer 3 filtering. | Candy.yiu@intel.com |  |
| 198 | In section 5.5.4:2> if *reportType* is set to *cli-Periodical* and if a (first) measurement result is available:3> include a measurement reporting entry within the *VarMeasReportList* for this *measId*;3> set the *numberOfReportsSent* defined within the *VarMeasReportList* for this *measId* to 0;3> initiate the measurement reporting procedure, as specified in 5.5.5, immediately after the quantity to be reported becomes available for at least one CLI measurement resource;2> upon expiry of the periodical reporting timer for this *measId*:3> initiate the measurement reporting procedure, as specified in 5.5.5.  | ‘upon expiry of the periodical reporting timer’ should be replaced with ‘upon expiry of the periodical reporting timer or CLI periodical reporting timer’. Because the regular periodically timer is different than CLI periodically timer.  | Candy.yiu@intel.com |  |
| 199 | NOTE 1: For *gapFR2* configuration with synchrnonous CA, for the UE in NE-DC or NR-DC, the SFN and subframe of the serving cell indicated by the *refServCellIndicator* in *gapFR2* is used in the gap calculation. Otherwise, the SFN and subframe of a serving cell on FR2 frequency is used in the gap calculation | Should be synchronous | Naveen.palle@intel.com |  |
| 200 | ***minimumSchedulingOffsetK0***List of minimum K0 values. Minimum K0 parameter denotes minimum applicable value(s) for the TDRA table for PDSCH and for A-CSI RS triggering Offset(s) (see TS 38.214 [19], clause 5.3.1). | For consistency of the field description of minimumSchedulingOffsetK2 in PUSCH-Config, TDRA can be changed into time doman resource assignment.Minimum K0 parameter denotes minimum applicable value(s) for the TDRAtime domain resource assignment table for PDSCH and for A-CSI RS triggering Offset(s) (see TS 38.214 [19], clause 5.3.1). | Sb07.kim@samsung.com |  |
| 201 | In section 6.2.2EInformationRequest-r16-IEs ::= SEQUENCE { idleModeMeasurementReq-r16 ENUMERATED{ffs} OPTIONAL, -- Need N logMeasReportReq-r16 ENUMERATED {true} OPTIONAL, connEstFailReportReq-r16 ENUMERATED {true} OPTIONAL, ra-ReportReq-r16 ENUMERATED {true} OPTIONAL, rlf-ReportReq-r16 ENUMERATED {true} OPTIONAL, mobilityHistoryReportReq-r16 ENUMERATED {true} OPTIONAL, lateNonCriticalExtension OCTET STRING OPTIONAL, nonCriticalExtension SEQUENCE {} OPTIONAL} | Add Need N on the fields used to request the retrieval in UEInformationRequest logMeasReportReq-r16 ENUMERATED {true} OPTIONAL, -- Need N connEstFailReportReq-r16 ENUMERATED {true} OPTIONAL, -- Need N ra-ReportReq-r16 ENUMERATED {true} OPTIONAL, -- Need N rlf-ReportReq-r16 ENUMERATED {true} OPTIONAL, -- Need N mobilityHistoryReportReq-r16 ENUMERATED {true} OPTIONAL, -- Need N | Sb07.kim@samsung.com |  |
| 202 | In section 6.3.2LocationInfo-r16 ::= SEQUENCE { commonLocationInfo-r16 CommonLocationInfo-r16 OPTIONAL, -- Need R bt-LocationInfo-r16 LogMeasResultListBT-r16 OPTIONAL, -- Need R wlan-LocationInfo-r16 LogMeasResultListWLAN-r16 OPTIONAL, -- Need R sensor-LocationInfo-r16 Sensor-LocationInfo-r16 OPTIONAL, -- Need R ...} | remove all need code from LocationInfo, because it’s not used for uplink commonLocationInfo-r16 CommonLocationInfo-r16 OPTIONAL, ~~-- Need R~~ bt-LocationInfo-r16 LogMeasResultListBT-r16 OPTIONAL, ~~-- Need R~~ wlan-LocationInfo-r16 LogMeasResultListWLAN-r16 OPTIONAL, ~~-- Need R~~ sensor-LocationInfo-r16 Sensor-LocationInfo-r16 OPTIONAL, ~~-- Need R~~ | Sb07.kim@samsung.com |  |
| 203 | In section 5.5a.34> if detailed Sensor measurements are available:5> include *Sensor-LocationInfo-r16* for sensors; | Remove ‘-r16’ | Sb07.kim@samsung.com |  |
| 204 | 3> consider itself to be configured to provide SPS assistance information for V2X sidelink communication in accordance with 5.7.4; | Wrong citation for the Subclause.Propose to : change to “5.6.10.3 in TS 36.331” | kimba@vivo.com |  |
| 205 | *SL-CBR-TxConfigList*The IE *SL-CBR-CommonTxConfigList* indicates the list of PSSCH transmission parameters (such as MCS, sub-channel number, retransmission number, CR limit) in *sl-CBR-PSSCH-TxConfigList*, and the list of CBR ranges in *sl-CBR-RangeConfigList*, to configure congestion control to the UE for sidelink communicaition | **[Description]**: IE name is inconsistent with the ASN.1 code.**[Proposed Change]**: Change to “SL-CBR-CommonTxConfigList” | kimba@vivo.com |  |
| 206 | ***sl-CBR-RangeConfigList***Indicates the list of CBR ranges. Each entry of the list indicates in *SL-CBR-LevelsConfig* the upper bound of the CBR range for the respective entry. The upper bounds of the CBR ranges are configured in ascending order for consecutive entries of *sl-CBR-RangeConfigList.* For the first entry of *sl-CBR-RangeConfigList* the lower bound of the CBR range is 0. Value 0 corresponds to 0, value 1 to 0.01, value 2 to 0.02, and so on. | **]**: IE name is inconsistent with the ASN.1 code.**[Proposed Change]**: Change to “SL-CBR-CommonTxConfigList” | kimba@vivo.com |  |
| 207 | ***sl-V2X-SPS-Config***This field includes the *SPS-Config* as specified in TS 36.331 [10], for SPS configurations for V2X sidelink communication. Only the configurations related to sidelink SPS are included. | **Description]**: According to RAN1 spec 38.212 as below, in NR Uu control LTE SL SPS scenario, the RNTI is named as SL-L-CS-RNTI.*7.3.1.4.2 Format 3\_1**DCI format 3\_1 is used for scheduling of LTE PSCCH and LTE PSSCH in one cell.* *The following information is transmitted by means of the DCI format 3\_1 with CRC scrambled by SL-L-CS-RNTI:.*While from the container *SPS-Config*, the RNTI is named as sl-SPS-V-RNTI. There is misalighment between specs.**[Proposed Change]**: Add one sentence in the field description to align understanding of the RNTI that “SL-SPS-V-RNTI included in *SPS-Config* equals to *SL-L-CS-RNTI* as specified in TS 38.212 7.3.1.4.2”. | kimba@vivo.com |  |
|  | *SL-ConfiguredGrantConfig*The IE *SL-ConfiguredGrantConfig* specifies the configured grant configuration information for NR sidelink communication. | **[Description]**: The IE name is inconsistent with the following ASN.1 code by SL-ConfiguredGrantConfigList-r16. **[Proposed Change]**: Replace SL-ConfiguredGrantConfig by SL-ConfiguredGrantConfigList | kimba@vivo.com |  |
| 208 | SL-PowerControl-r16 ::= SEQUENCE { sl-MaxTransPower-r16 INTEGER (-30..33), sl-Alpha-PSSCH-PSCCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M dl-Alpha-PSSCH-PSCCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M sl-P0-PSSCH-PSCCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M dl-P0-PSSCH-PSCCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M dl-Alpha-PSFCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M dl-P0-PSFCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M ...} | **[Description]**: According to RAN1 parameter list R1-2001478 , power control configuration for PSBCH is missing.**[Proposed Change]**: Add the following two parameters in IE SL-PowerControl .alpha-DL-PSBCH ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need Mp0-DL-PSBCH INTEGER (-16..15) OPTIONAL, -- Need MAdd corresponding filed description in ***SL-PowerControl* field descriptions**p0-DL-PSBCH: indicates P0 value for DL pathloss based power control for PSBCH. If not configured, DL pathloss based power control is disabled for PSBCH.alpha-DL-PSBCH: indicates alpha value for DL pathloss based power control for PSBCH. When the field is absent the UE applies the value 1 | kimba@vivo.com |  |
| 209 | The field is OPTIONALly present, Need R, when *SL-PSSCH-TxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present, need R. | **[Description]**: The condition is incorrect. According to LTE V2X, the condition is decribled as follows:*The field is optionally present, need OR, in IE SL-CBR-CommonTxConfigList-r14, or in IE SL-CBR-PreconfigTxConfigList-r14. Otherwise the field is not present. Need OR.*i.e., CBR based tx power control adaptation should be configured for congestion control based tx parameters, not speed based tx parameters**[Proposed Change]**: change the condition description as below.The field is OPTIONALly present, Need R, when *SL-CBR-CommonTxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present, need R. | kimba@vivo.com |  |
| 210 | sl-ConfiguredGrantConfigList-r16 SL-ConfiguredGrantConfigList-r16  | **[Description]**: The IE SL-ConfiguredGrantConfigList is defined within SL-ResourcePool-r16, which is configurable by both SIB12 and dedicated RRCReconfigration. However, SL configuraitnt grant should only be used by network scheduling mode (i.e., mode 1) for NR sidelink communication and thus cannot be present in SIB12.**[Proposed Change]**: Add ***Cond mode 1*** after the IE SL-ConfiguredGrantConfigList to clarity that the IE SL-ConfiguredGrantConfigList is present only when the UE is working in network scheduling mode (i.e., mode 1). | kimba@vivo.com |  |
| 211 | 3> consider itself to be configured to provide SPS assistance information for V2X sidelink communication in accordance with 5.7.4; | Wrong citation for the Subclause.Propose to : change to “5.6.10.3 in TS 36.331” | kimba@vivo.com |
| 212 | *SL-CBR-TxConfigList*The IE *SL-CBR-CommonTxConfigList* indicates the list of PSSCH transmission parameters (such as MCS, sub-channel number, retransmission number, CR limit) in *sl-CBR-PSSCH-TxConfigList*, and the list of CBR ranges in *sl-CBR-RangeConfigList*, to configure congestion control to the UE for sidelink communicaition | **[Description]**: IE name is inconsistent with the ASN.1 code.**[Proposed Change]**: Change to “SL-CBR-CommonTxConfigList” | kimba@vivo.com |
| 213 | ***sl-CBR-RangeConfigList***Indicates the list of CBR ranges. Each entry of the list indicates in *SL-CBR-LevelsConfig* the upper bound of the CBR range for the respective entry. The upper bounds of the CBR ranges are configured in ascending order for consecutive entries of *sl-CBR-RangeConfigList.* For the first entry of *sl-CBR-RangeConfigList* the lower bound of the CBR range is 0. Value 0 corresponds to 0, value 1 to 0.01, value 2 to 0.02, and so on. | **]**: IE name is inconsistent with the ASN.1 code.**[Proposed Change]**: Change to “SL-CBR-CommonTxConfigList” | kimba@vivo.com |
| 214 | ***sl-V2X-SPS-Config***This field includes the *SPS-Config* as specified in TS 36.331 [10], for SPS configurations for V2X sidelink communication. Only the configurations related to sidelink SPS are included. | **Description]**: According to RAN1 spec 38.212 as below, in NR Uu control LTE SL SPS scenario, the RNTI is named as SL-L-CS-RNTI.*7.3.1.4.2 Format 3\_1**DCI format 3\_1 is used for scheduling of LTE PSCCH and LTE PSSCH in one cell.* *The following information is transmitted by means of the DCI format 3\_1 with CRC scrambled by SL-L-CS-RNTI:.*While from the container *SPS-Config*, the RNTI is named as sl-SPS-V-RNTI. There is misalighment between specs.**[Proposed Change]**: Add one sentence in the field description to align understanding of the RNTI that “SL-SPS-V-RNTI included in *SPS-Config* equals to *SL-L-CS-RNTI* as specified in TS 38.212 7.3.1.4.2”. | kimba@vivo.com |
|  | *SL-ConfiguredGrantConfig*The IE *SL-ConfiguredGrantConfig* specifies the configured grant configuration information for NR sidelink communication. | **[Description]**: The IE name is inconsistent with the following ASN.1 code by SL-ConfiguredGrantConfigList-r16. **[Proposed Change]**: Replace SL-ConfiguredGrantConfig by SL-ConfiguredGrantConfigList | kimba@vivo.com |
| 215 | SL-PowerControl-r16 ::= SEQUENCE { sl-MaxTransPower-r16 INTEGER (-30..33), sl-Alpha-PSSCH-PSCCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M dl-Alpha-PSSCH-PSCCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M sl-P0-PSSCH-PSCCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M dl-P0-PSSCH-PSCCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M dl-Alpha-PSFCH-r16 ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need M dl-P0-PSFCH-r16 INTEGER (-16..15) OPTIONAL, -- Need M ...} | **[Description]**: According to RAN1 parameter list R1-2001478 , power control configuration for PSBCH is missing.**[Proposed Change]**: Add the following two parameters in IE SL-PowerControl .alpha-DL-PSBCH ENUMERATED {alpha0, alpha04, alpha05, alpha06, alpha07, alpha08, alpha09, alpha1} OPTIONAL, -- Need Mp0-DL-PSBCH INTEGER (-16..15) OPTIONAL, -- Need MAdd corresponding filed description in ***SL-PowerControl* field descriptions**p0-DL-PSBCH: indicates P0 value for DL pathloss based power control for PSBCH. If not configured, DL pathloss based power control is disabled for PSBCH.alpha-DL-PSBCH: indicates alpha value for DL pathloss based power control for PSBCH. When the field is absent the UE applies the value 1 | kimba@vivo.com |
| 216 | The field is OPTIONALly present, Need R, when *SL-PSSCH-TxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present, need R. | **[Description]**: The condition is incorrect. According to LTE V2X, the condition is decribled as follows:*The field is optionally present, need OR, in IE SL-CBR-CommonTxConfigList-r14, or in IE SL-CBR-PreconfigTxConfigList-r14. Otherwise the field is not present. Need OR.*i.e., CBR based tx power control adaptation should be configured for congestion control based tx parameters, not speed based tx parameters**[Proposed Change]**: change the condition description as below.The field is OPTIONALly present, Need R, when *SL-CBR-CommonTxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present, need R. | kimba@vivo.com |
| 217 | sl-ConfiguredGrantConfigList-r16 SL-ConfiguredGrantConfigList-r16  | **[Description]**: The IE SL-ConfiguredGrantConfigList is defined within SL-ResourcePool-r16, which is configurable by both SIB12 and dedicated RRCReconfigration. However, SL configuraitnt grant should only be used by network scheduling mode (i.e., mode 1) for NR sidelink communication and thus cannot be present in SIB12.**[Proposed Change]**: Add ***Cond mode 1*** after the IE SL-ConfiguredGrantConfigList to clarity that the IE SL-ConfiguredGrantConfigList is present only when the UE is working in network scheduling mode (i.e., mode 1). | kimba@vivo.com |
| 218 | *MeasIdleConfig*The IE *MeasIdleConfig* is used to convey information to UE about measurements requested to be done while in RRC\_IDLE or RRC\_INACTIVE.*MeasIdleConfig* information element-- ASN1START-- TAG-MEASIDLECONFIG-STARTMeasIdleConfigSIB-r16 ::= SEQUENCE {    measIdleCarrierListNR-r16       SEQUENCE (SIZE (1..maxFreqIdle-r16)) OF MeasIdleCarrierNR-r16          OPTIONAL,     -- Need S    measIdleCarrierListEUTRA-r16    SEQUENCE (SIZE (1..maxFreqIdle-r16)) OF MeasIdleCarrierEUTRA-r16       OPTIONAL,     -- Need S    ...}MeasIdleConfigDedicated-r16 ::= SEQUENCE {    measIdleCarrierListNR-r16       SEQUENCE (SIZE (1..maxFreqIdle-r16)) OF MeasIdleCarrierNR-r16          OPTIONAL,     -- Need N    measIdleCarrierListEUTRA-r16    SEQUENCE (SIZE (1..maxFreqIdle-r16)) OF MeasIdleCarrierEUTRA-r16       OPTIONAL,     -- Need N    measIdleDuration-r16            ENUMERATED{sec10, sec30, sec60, sec120, sec180, sec240, sec300, spare},    validityAreaList-r16            ValidityAreaList-r16                                                   OPTIONAL,     -- Need N    ...}ValidityAreaList-r16 ::= SEQUENCE (SIZE (1..maxFreqIdle-r16)) OF ValidityArea-r16ValidityArea-r16 ::=             SEQUENCE {    carrierFreq-r16                  ARFCN-ValueNR,    validityCellList-r16             ValidityCellList                 OPTIONAL   -- Need N}ValidityCellList ::= SEQUENCE (SIZE (1.. maxCellMeasIdle-r16)) OF PCI-Range | **No field description for ValidityAreaList-r16, we should add field description for ValidityAreaList-r16 just like LTE.**  | kimba@vivo.com |
| 219 | It has been agreed that to determine the number of REs used for CG-UCI, the mechanism of beta-offset in Rel-15 NR for HARQ-ACK on CG-PUSCH is reused. However, it was not captured rightly in the running CR(), which is quoted as following.ConfiguredGrantConfig ::=           SEQUENCE {    Omit    betaOffsetCG-UCI-r16                   INTEGER (1..ffsValue)  OPTIONAL,   -- Need R    omit}Here, beta offset for CG-UCI in CG-PUSCH can only be configured semi-statically by RRC. However, in Rel-15 NR for HARQ-ACK on CG-PUSCH, the beta offset can be configured as semi-static or dynamic, which is quoted as following. When it is configured as dynamic, 4 values are configured by RRC, and one of them is indicated by the activation.CG-UCI-OnPUSCH ::= CHOICE {    dynamic                                 SEQUENCE (SIZE (1..4)) OF BetaOffsets,    semiStatic                              BetaOffsets | we think betaOffsetCG-UCI-r16 should also can be configured dynamically. We propose to discuss and clarify whether the current CR of TS 38.331 is aligned with RAN1’s understanding or not.1. We notice in the running CR, for the IEs introduced for NR-U, some are explicitly stated as used for shared spectrum in the field description, others are not, Such as:

|  |
| --- |
| ***channelAccessPriority***Indicates the Channel Access Priority Class (CAPC), as specified in TS 37.213 [xx] and TS 38.321 [3], to be used on transmission using configured grants on shared spectrum. The network configures this field only for SRB2 and DRBs. ***channelAccess-Config***List of parameters used for access procedures of operation with shared spectrum channel access.***useInterlacePUSCH-Dedicated***If the field is present, the UE uses interlaced PUSCH for uplink resource allocation Type 2 for configured grant (see TS 38.214 [19], Clause 6.1.2.3). |

 | kimba@vivo.com |
| 220 | 5.2.1:For a UE in RRC\_CONNECTED, the network can provide system information through dedicated signalling using the *RRCReconfiguration* message, e.g. if the UE has an active BWP with no common search space configured to monitor system information or paging. | The description needs to be uodated as shown below to include the new OSI in connected functionality-    For a UE in RRC\_CONNECTED, the network can provide system information through dedicated signalling using the *RRCReconfiguration* message, e.g. if the UE has an active BWP with no common search space configured to monitor system information or paging or upon request from UEs in RRC\_CONNECTED. | hchoi5@lenovo.com |
| 221 | 5.3.5.3:2> if the UE transmitted a *UEAssistanceInformation* message during the last 1 second, and the UE is still configured to provide UE assistance information: | The underline of the highlighted sentence needs to be removed. | hchoi5@lenovo.com |
| 222 | 5.5.4.1:3> if *useT312* is included in *reportConfig* for this event:…3> if *useT312* is included in *reportConfig* for this event: | useT312 is of type BOOLEAN. Therefore, the condition should be corrected by:“if useT312 is set to true in reportConfig for this event". | hchoi5@lenovo.com |
| 223 | LoggedMeasurementConfiguration-r16-IEs: SONMDTbt-NameList-r16 BT-NameListConfig-r16 OPTIONAL, --Need Rwlan-NameList-r16 WLAN-NameListConfig-r16 OPTIONAL, --Need Rsensor-NameList-r16 Sensor-NameListConfig-r16 OPTIONAL, --Need R | The IEs BT-NameListConfig-r16, WLAN-NameListConfig-r16, Sensor-NameListConfig-r16 have been introduced not following the ASN.1 guidelines on use of SetupRelease function.Furthermore, the need codes need to be changed to “Need M”.LoggedMeasurementConfiguration-r16-IE is not extensible due to missing empty sequence for NCE and late NCE container.To fix above issues we suggest following changes to LoggedMeasurementConfiguration-r16-IEs:LoggedMeasurementConfiguration-r16-IEs ::= SEQUENCE {bt-NameList-r16 SetupRelease {BT-NameListConfig-r16} OPTIONAL, --Need Mwlan-NameList-r16 SetupRelease [WLAN-NameListConfig-r16} OPTIONAL, --Need Msensor-NameList-r16 SetupRelease {Sensor-NameListConfig-r16} OPTIONAL, --Need MlateNonCriticalExtension OCTET STRING OPTIONAL, nonCriticalExtension SEQUENCE {} OPTIONAL | hchoi5@lenovo.com |
| 224 | MCGFailureInformation-r16-IEs  | Late NCE container can be added. | hchoi5@lenovo.com |
| 225 | RRCReconfiguration-IEs field descriptions:***dedicatedSystemInformationDelivery***This field is used to transfer *SIB6*, *SIB7*, *SIB8* to the UE in RRC\_IDLE and RRC\_INACTIVE. For UEs in RRC\_CONNECTED, this field is used to transfer the SIBs requested on-demand. | In the field description saying RRC\_IDLE/RRC\_INACTIVE is not correct since SIB6/7/8 are actually sent to UE in RRC\_CONNECTED. Therefore, it is better to say "This field is used to transfer SIB6, SIB7, SIB8 to the UE if an active BWP with no common search space is configured.” | hchoi5@lenovo.com |
| 226 | FailureReportSCG ::= SEQUENCE { failureType ENUMERATED {t310-Expiry, randomAccessProblem, rlc-MaxNumRetx, synchReconfigFailureSCG, scg-ReconfigFailure, srb3-IntegrityFailure, scg-lbtFailure, t312-Expiry-r16}, | Suffix for the new values scg-lbtFailure, t312-Expiry-r16 should be “-v16xy”. | hchoi5@lenovo.com |
| 227 | SIB1-v16xy-IEs ::= SEQUENCE { idleModeMeasurements-r16 ENUMERATED{ffs} OPTIONAL, -- Need N posSI-SchedulingInfoList-r16 PosSI-SchedulingInfoList-r16 OPTIONAL, -- Need R nonCriticalExtension SEQUENCE {} OPTIONAL} | Need code for idleModeMeasurements-r16 should be corrected to "Need R". | hchoi5@lenovo.com |
| 228 | SIB2 field descriptions:***smtc2-LP-r16***Measurement timing configuration for intra-frequency neighbour cells with a Long Periodicity (LP) indicated by periodicity in *smtc2-LP-r16*. The timing offset and duration are equal to the offset and duration indicated in *smtc* in *intraFreqCellReselectionInfo*. The periodicity in *smtc2-LP-r16* can only be set to a value strictly larger than the periodicity in *smtc* in *intraFreqCellReselectionInfo* (e.g. if *smtc* indicates sf20 the Long Periodicity can only be set to sf40, sf80 or sf160, if *smtc* indicates sf160, *smtc2-LP-r16* cannot be configured). The *pci-List*, if present, includes the physical cell identities of the intra-frequency neighbour cells with Long Periodicity. If *smtc2-LP-r16* is absent, the UE assumes that there are no intra-frequency neighbour cells with a Long Periodicity. | Suffix “-r16” can be removed from the field name. | hchoi5@lenovo.com |
| 229 | SIB4 field descriptions:***smtc2-LP-r16***Measurement timing configuration for inter-frequency neighbour cells with a Long Periodicity (LP) indicated by periodicity in *smtc2-LP-r16*. The timing offset and duration are equal to the offset and duration indicated in *smtc* in *InterFreqCarrierFreqInfo*. The periodicity in *smtc2-LP-r16* can only be set to a value strictly larger than the periodicity in *smtc* in *InterFreqCarrierFreqInfo* (e.g. if *smtc* indicates sf20 the Long Periodicity can only be set to sf40, sf80 or sf160, if *smtc* indicates sf160, *smtc2-LP-r16* cannot be configured). The *pci-List*, if present, includes the physical cell identities of the inter-frequency neighbour cells with Long Periodicity. If *smtc2-LP-r16* is absent, the UE assumes that there are no inter-frequency neighbour cells with a Long Periodicity. | Suffix “-r16” can be removed from the field name. | hchoi5@lenovo.com |
| 230 | *AvailabilityCombination-r16 field descriptions* | Suffix “-r6” can be removed, and “field descriptions” should be set in normal. | hchoi5@lenovo.com |
| 231 | AvailableRB-SetPerCell-r16 ::= SEQUENCE { servingCellId ServCellIndex, positionInDCI INTEGER(0..maxSFI-DCI-PayloadSize-1)} | Suffix “-r16” is missing for the new fields. | hchoi5@lenovo.com |
| 232 | CandidateBeamRS-r16 ::= SEQUENCE { candidateBeamConfig-r16 CHOICE { ssb-r16 SSB-Index, csi-RS-r16 NZP-CSI-RS-ResourceId }, servingCellId ServCellIndex OPTIONAL -- Need R} | Suffix “-r16” is missing for servingCellId. | hchoi5@lenovo.com |
| 233 | CrossCarrierSchedulingConfig:carrierIndicatorSize SEQUENCE { carrierIndicatorSizeForDCI-Format1-2-r16 INTEGER (0..3),  carrierIndicatorSizeForDCI-Format0-2-r16 INTEGER (0..3) } OPTIONAL -- Cond CIF-PRESENCE | Suffix “-r16” is missing for carrierIndicatorSize. | hchoi5@lenovo.com |
| 234 | LogicalChannelConfig field descriptions:***bitRateMultiplier***Bit rate multiplier for recommended bit rate MAC CE as specified in TS 38.321 [3]. Value *x40* indicates bit rate multiplier 40, value *x60* indicates bit rate multiplier 60 and so on. | value x60 does not exist, but x70. | hchoi5@lenovo.com |
| 235 | LogicalChannelConfig field descriptions:***channellAccessPriority***Indicates the Channel Access Priority Class (CAPC), as specified in TS 38.300 [2] and TS 38.321 [3], to be used on transmission using configured grants on shared spectrum. The network configures this field only for SRB2 and DRBs. | Typo, an “l” in “channell” needs to be removed. | hchoi5@lenovo.com |
| 236 | PDCP-Config:moreThanTwoRLC-r16 SEQUENCE { splitSecondaryPath LogicalChannelIdentity OPTIONAL, -- Cond SplitBearer2 duplicationState SEQUENCE (SIZE (3)) OF BOOLEAN OPTIONAL -- Need M } OPTIONAL, -- Cond MoreThanTwoRLC | Suffix “-r16” is missing for the new fields.  | hchoi5@lenovo.com |
| 237 | PDSCH-Config:priorityIndicator SEQUENCE { priorityIndicatorForDCI-Format1-2-r16 ENUMERATED {enabled} OPTIONAL, -- Need S priorityIndicatorForDCI-Format1-1-r16 ENUMERATED {enabled} OPTIONAL -- Need S } OPTIONAL, -- Need N | Suffix “-r16” is missing for priorityIndicator. | hchoi5@lenovo.com |
| 238 | PUCCH-SpatialRelationInfo-r16:referenceSignal-r16 CHOICE { ssb-Index SSB-Index, csi-RS-Index NZP-CSI-RS-ResourceId, srs PUCCH-SRS }, | Suffix “-r16” is missing for the new fields. | hchoi5@lenovo.com |
| 239 | PUSCH-Config:pusch-RepTypeIndicator SEQUENCE { pusch-RepTypeIndicatorForDCI-Format0-2-r16 ENUMERATED { pusch-RepTypeA, pusch-RepTypeB} OPTIONAL, -- Need M pusch-RepTypeIndicatorForDCI-Format0-1-r16 ENUMERATED { pusch-RepTypeA, pusch-RepTypeB} OPTIONAL -- Need M }, configurableFieldForDCI-Format0-2 SEQUENCE { harq-ProcessNumberSizeForDCI-Format0-2-r16 INTEGER (0..4) OPTIONAL, -- Need M dmrs-SequenceInitializationForDCI-Format0-2-r16 ENUMERATED {enabled} OPTIONAL, -- Need S numberOfBitsForRV-ForDCI-Format0-2-r16 INTEGER (0..2) OPTIONAL, -- Need M ... }, resourceAllocationType1GranularityForDCI-Format0-2-r16 ENUMERATED { n2,n4,n8,n16 } OPTIONAL, -- Need S frequencyHoppingForDCI-Format0-2-r16 CHOICE { pusch-RepTypeA ENUMERATED {intraSlot, interSlot}, pusch-RepTypeB ENUMERATED {interRepetition, interSlot} } OPTIONAL, -- Need SpriorityIndicator SEQUENCE { priorityIndicatorForDCI-Format0-2-r16 ENUMERATED {enabled} OPTIONAL, -- Need S priorityIndicatorForDCI-Format0-1-r16 ENUMERATED {enabled} OPTIONAL -- Need S } OPTIONAL, -- Need N invalidSymbolPatternIndicator SEQUENCE { invalidSymbolPatternIndicatorForDCI-Format0-1-r16 ENUMERATED {enabled} OPTIONAL, -- Need S invalidSymbolPatternIndicatorForDCI-Format0-2-r16 ENUMERATED {enabled} OPTIONAL -- Need S  | Suffix “-r16” is missing for the highlighted fields. | hchoi5@lenovo.com |
| 240 | RACH-ConfigCommon:ra-PrioritizationForAccessIdentity SEQUENCE { ra-Prioritization-r16 RA-Prioritization, ra-PrioritizationForAI-r16 BIT STRING (SIZE (2)) }  | Suffix “-r16” is missing. | hchoi5@lenovo.com |
| 241 | RepetitionSchemeConfig-r16 ::= SEQUENCE { fdm-TDM SetupRelease { FDM-TDM } OPTIONAL, -- Need M slotBased SetupRelease { SlotBased } OPTIONAL -- Need M}FDM-TDM ::= SEQUENCE { repetitionScheme-r16 ENUMERATED {fdmSchemeA, fdmSchemeB,tdmSchemeA }, startingSymbolOffsetK-r16 INTEGER (0..7) OPTIONAL -- Need R}SlotBased ::= SEQUENCE { tciMapping-r16 ENUMERATED {cyclicMapping, sequenticalMapping}, sequenceOffsetforRV-r16 INTEGER (1..3)} | Suffix “-r16” is missing for the new fields and IEs. | hchoi5@lenovo.com |
| 242 | ReportConfigNR:CondTriggerConfig-r16 ::= SEQUENCE { condEventId CHOICE { condEventA3 SEQUENCE { a3-Offset MeasTriggerQuantityOffset, hysteresis Hysteresis, timeToTrigger TimeToTrigger }, | Suffix "-r16" is missing for the new fields. | hchoi5@lenovo.com |
| 243 | ReportConfigNR:EventTriggerConfig:includeBT-Meas-r16 BT-NameListConfig-r16 OPTIONAL, -- Need RincludeWLAN-Meas-r16 WLAN-NameListConfig-r16 OPTIONAL, -- Need RncludeSensor-Meas-r16 Sensor-NameListConfig-r16 OPTIONAL -- Need RPeriodicalReportConfig:includeBT-Meas-r16 BT-NameListConfig-r16 OPTIONAL, -- Need RincludeWLAN-Meas-r16 WLAN-NameListConfig-r16 OPTIONAL, -- Need RincludeSensor-Meas-r16 Sensor-NameListConfig-r16 OPTIONAL, -- Need R | The IEs BT-NameListConfig-r16, WLAN-NameListConfig-r16, Sensor-NameListConfig-r16 have been introduced not following the ASN.1 guidelines on use of SetupRelease function.Furthermore, the need codes need to be changed to “Need M”.To fix above issues we suggest following changes to ReportConfigNR for EventTriggerConfig and PeriodicalReportConfig:includeBT-Meas-r16 SetupRelease {BT-NameListConfig-r16} OPTIONAL, --Need MincludeWLAN-Meas-r16 SetupRelease [WLAN-NameListConfig-r16} OPTIONAL, --Need MincludeSensor-Meas-r16 SetupRelease {Sensor-NameListConfig-r16} OPTIONAL, --Need M | hchoi5@lenovo.com |
| 244 | SlotFormatIndicator: searchSpaceSwitchTrigger-r16 SEQUENCE { positionInDCI INTEGER(0..maxSFI-DCI-PayloadSize-1),  id CHOICE { servingCellId ServCellIndex, groupId INTEGER (0..1) } } OPTIONAL, -- Need N CO-DurationPerCell-r16 ::= SEQUENCE { servingCellId ServCellIndex, positionInDCI INTEGER(0..maxSFI-DCI-PayloadSize-1) OPTIONAL, -- Need M subcarrierSpacing SubcarrierSpacing, co-DurationList-r16 SEQUENCE (SIZE(1..ffsValue)) OF CO-Duration-r16 -- FFS size upper limit 64} | Suffix “-r16” should be added for all the new fields in searchSpaceSwitchTrigger-r16 and CO-DurationPerCell-r16. | hchoi5@lenovo.com |
| 245 | SSB-MTC2-LP-r16 ::= SEQUENCE { pci-List SEQUENCE (SIZE (1..maxNrofPCIsPerSMTC)) OF PhysCellId OPTIONAL, -- Need R periodicity ENUMERATED {sf10, sf20, sf40, sf80, sf160, spare3, spare2, spare1}} | suffix "-r16" should set to the fields pci-List and periodicity, and constant maxNrofPCIsPerSMTC. | hchoi5@lenovo.com |
| 246 | CI-ConfigurationPerServingCell-r16 ::= SEQUENCE { servingCellId ServCellIndex, positionInDCI-r16 INTEGER (0..maxCI-DCI-PayloadSize-r16-1), | Suffix “-r16” should be set to servingCellId. | hchoi5@lenovo.com |
| 247 | BandParameters-v16xy ::= SEQUENCE { srs-TxSwitch SEQUENCE { supportedSRS-TxPortSwitch-r16 ENUMERATED {t1r1-t1r2, t1r1-t1r2-t1r4, t1r1-t1r2-t2r2-t2r4, t1r1-t1r2-t2r2-t1r4-t2r4,t1r1-t2r2, t1r1-t2r2-t4r4} } OPTIONAL} | Missing suffix of srs-TxSwitch should be set to “-v16xy” as it is NCE of legacy srs-TxSwitch | hchoi5@lenovo.com |
| 248 | Sensor-NameList-r16:Sensor-NameList-r16 ::= SEQUENCE {  measUncomBarPre-r16 BOOLEAN OPTIONAL, -- Need R measUeSpeed BOOLEAN OPTIONAL, -- Need R measUeOrientation BOOLEAN OPTIONAL -- Need R} | Suffix “-r16” is missing for the fields measUeSpeed and measUeOrientation. Furthermore, OPTIONAL for all fieldscan be removed due to BOOLEAN type. | hchoi5@lenovo.com |
| 249 | SL-PSSCH-TxConfigList:Description of condition CBR:The field is OPTIONALly present, Need R, when *SL-PSSCH-TxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present, need R. | Editorial issues in the description of the condition need to be fixed as follows:The field is optionally present, Need R, when *SL-PSSCH-TxConfigList* is in *SL-UE-SelectedConfig* in *SIB12* or *SL-PreconfigurationNR*; otherwise the field is not present~~, need R~~. | hchoi5@lenovo.com |
| 250 | 6.4 Multiplicity and type constraint definitions* maxAI-DCI-PayloadSize-r16-1
* maxNrofAvailabilityCombinationsPerSet-r16-1
* maxCI-DCI-PayloadSize-r16-1
* maxNrofCLI-RSSI-Resources-r16-1
* maxNrofConfiguredGrantConfig-r16-1
* maxNrofConfiguredGrantConfigMAC-r16-1
* maxNrofSPS-Config-r16-1
* maxNrofSRS-PathlossReferenceRS-r16-1
 | The naming of the below constants defined as minus1 need to be corrected, i.e. “-1” needs to be placed before the suffix “-r16”.* maxAI-DCI-PayloadSize-1-r16
* maxNrofAvailabilityCombinationsPerSet-1-r16
* maxCI-DCI-PayloadSize-1-r16
* maxNrofCLI-RSSI-Resources-1-r16
* maxNrofConfiguredGrantConfig-1-r16
* maxNrofConfiguredGrantConfigMAC-1-r16
* maxNrofSPS-Config-1-r16
* maxNrofSRS-PathlossReferenceRS-1-r16
 | hchoi5@lenovo.com |
| 251 | 7.4 NR-UE-VariablesmaxNrofMeasId,maxFreqIdle-r16, PhysCellIdUTRA-FDD-r16,ValidityAreaList-r16, | Add line break after “maxFreqIdle-r16,”  | hchoi5@lenovo.com |
| 252 | VarLogMeasConfig-r16-IEs:VarLogMeasConfig-r16-IEs ::= SEQUENCE { areaConfiguration-r16 AreaConfiguration-r16 OPTIONAL, -- Need R plmn-IdentityList-r16 PLMN-IdentityList3-r16 OPTIONAL, -- Need R bt-NameList-r16 BT-NameListConfig-r16 OPTIONAL, -- Need R wlan-NameList-r16 WLAN-NameListConfig-r16 OPTIONAL, -- Need R sensor-NameList-r16 Sensor-NameListConfig-r16 PTIONAL, -- Need R loggingDuration-r16 LoggingDuration-r16, reportType CHOICE { periodical LoggedPeriodicalReportConfig-r16, eventTriggered LoggedEventTriggerConfig-r16 }} | Need codes for all optional fields are not needed.Furthermore, no Setup/Release structure needed for IEs BT-NameListConfig-r16, WLAN-NameListConfig-r16, Sensor-NameListConfig-r16. We can simply refer to BT-NameList-r16, WLAN-NameList-r16, Sensor-NameList-r16.bt-NameList-r16 BT-NameList-r16 OPTIONAL, wlan-NameList-r16 WLAN-NameList-r16 OPTIONAL, sensor-NameList-r16 Sensor-NameList-r16 OPTIONAL,  | hchoi5@lenovo.com |
| 253 | IE SL-PreconfigurationNR | Need codes for all optional fields are not needed since IE SL-PreconfigurationNR is not sent from NW to UE over RRC. | hchoi5@lenovo.com |
| 254 | CG-Config-v16xx-IEs ::= SEQUENCE { drx-InfoSCG2 DRX-Info2 OPTIONAL, nonCriticalExtension SEQUENCE {} OPTIONAL}CG-ConfigInfo-v16xy-IEs ::= SEQUENCE { drx-InfoMCG2 DRX-Info2 OPTIONAL alignedDRX-Indication ENUMERATED {true} OPTIONAL, nonCriticalExtension SEQUENCE {} OPTIONAL}DRX-Info2 ::= SEQUENCE { drx-onDurationTimer CHOICE { | Suffix “-r16” is missing for drx-InfoSCG2, DRX-Info2, drx-InfoMCG2, alignedDRX-Indication, drx-onDurationTimer. | hchoi5@lenovo.com |
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