**3GPP TSG-****RAN2 Meeting#xxx R2-24xxxxx**

**Tbd**

**Agenda Item:** XXX

**Source:** Ericsson

**Title:** NR Rel-18 38.331 ASN.1 Review, Class 0 issues

**Document for:** Discussion and decision

# Guidelines

* This file is used to log NR 38.331 ASN.1 Review Class 0 issues.
  + **- Typo, minor wording improvement etc.**
  + **- ASN.1 field not following naming rules (e.g. incorrect suffix, capitalization, “-“, etc).**
* Fill in the columns, see example.
  + Make sure the inserted specification text is unique, such that the location of the issue is simple to find.
  + Avoid indicating duplicated issues by checking if the concerned specification text is already reported in the table.
  + Step the file name v(x) -> v(x+1) and upload to ftp server.
* The “status” column will be filled in by the RRC Spec Rapporteur.

# Class 0 issues

| **Issue** | **ASN1?**  **Y/N** | **Copied existing specification text.**  **Text should be unique, so that it can be easily found in the specification.**  **If needed, add also the new text.** | **Comment/description/**  **correction** | **Email address** | **Status** |
| --- | --- | --- | --- | --- | --- |
| Ex 1 | N  N | 2> derive the KUPint key associated with the *integrityProtAlgorithm* indicated in the SecurityModeCommand message, as specified in TS 33.501 [11]; | Missing italics. | hakan.l.palm@ericsson.com |  |
| Ex 2 | N | PUSCH scheduled by RAR UL grant (see 38.213 clause 8.3 and 38.214 clause 6.1.2.2) and uses interlaced PUCCH Format 0, 1, 2, and 3 for cell-specific PUCCH (see TS 38.213 [13], clause 9.2.1). | Incorrect reference, should be 9.2.101. | hakan.l.palm@ericsson.com |  |
| Ex 3 | Y | RbSetGroup, rbSetGroups | RB-SetGroup, rb-SetGroups | hakan.l.palm@ericsson.com |  |
| 4 | N | maxCandidateBandIndex  Indicate the maximum number of band entry index for MUSIM capability restriction reporting. | Remove this field description. As “maxCandidateBandIndex” is not a field, but a multiplicity. | tangxun@catt.cn |  |
| 5 | N | musim-AvoidedBandsList  Indicates the UE’s preference on band(s) and/or combination(s) of bands to be avoided or MUSIM purpose. | Typo, should be “for MUSIM purpose” | tangxun@catt.cn |  |
| 6 | N | musim-GapKeep  Indicates the UE is allowed to use “keep solution” for collided MUSIM periodic gaps. If “keep solution” is not granted, priority based solution is used as fallback solution) as specified in TS 38.133[14]. | Typo, remove “)” in “as fallback solution)” | tangxun@catt.cn |  |
| 7 | Y | maxCandidateBandIndex -r18 INTEGER ::= 8 -- Maximum number of band entry index for MUSIM capability | The name should be “maxCandidateBand~~Index~~”, as it represents a maximum number, not an index. | tangxun@catt.cn |  |
| 8 | N | 4> select the first frequency band in the frequencyBandList (or for aerial UE frequencyBandListAerial), and frequencyBandListSUL, if present, which the UE supports and for which the UE supports at least one of the additionalSpectrumEmission values in nr-NS-PmaxList (or for aerial UE nr-NS-PmaxListAerial), if present: | No need to add “()”, i.e., “~~(~~or for aerial UE nr-NS-PmaxListAerial~~)~~”. | tangxun@catt.cn |  |
| 9 | Y | -- ASN1START  -- TAG-NTN-CONFIG-START  ATG-Config-r18 ::= SEQUENCE {  <omitted>  }  -- TAG-NTN-CONFIG-STOP  -- ASN1STOP | It should be “ATG” | tangxun@catt.cn |  |
| 10 | N | suspend all multicast MRB(s) associated with multicast session(s) not configured to receive in RRC\_INACTIVE | It should be “not configured to be received in RRC\_INACTIVE” | Fangying.xiao@cn.sharp-world.com |  |
| 11 | N | indicate PDCP suspend to lower layers of all DRBs and multicast MRBs associated with multicast session(s) not configured to receive in RRC\_INACTIVE | It should be “not configured to be received in RRC\_INACTIVE” | Fangying.xiao@cn.sharp-world.com |  |
| 12 | nN | - change of its fulfilment status for RRM measurement relaxation criterion, or;  - service link (specified in TS 38.300 [2]) propagation delay difference between serving cell and neighbour cell(s); or  - its preference on multi-Rx operation for FR2; or  - availability of flight path information for Aerial UE operation; or | Typo in use of commas, should be “xxx, or;” instead of ”xxx; or” | Helka-liina.maattanen@ericsson.com |  |
| 13 | Y | UAV-Config-r18 ::= SEQUENCE {  flightPathUpdateThrConfig-r18 SEQUENCE {  flightPathUpdateDistanceThr-r18 SetupRelease { FlightPathUpdateDistanceThr-r18 } OPTIONAL, -- Need M  flightPathUpdateTimeThr-r18 SetupRelease { FlightPathUpdateTimeThr-r18 } OPTIONAL -- Need M  } OPTIONAL, -- Need M  ...  } | A “,” is missing.  [Lenovo] No comma needed. | zhang.mengjie@zte.com.cn |  |
| 14 |  | 2> if the UE has flight path information available:  3> if the UE had not previously provided a flight path information since last entering RRC\_CONNECTED state; or  3> if at least one waypoint was not previously provided; or  3> if at least one upcoming waypoint that was previously provided is being removed; or  3> if *flightPathUpdateDistanceThr* is configured and for at least one waypoint, the 3D distance between the previously provided location and the new location is more than or equal to the distance threshold configured by *flightPathUpdateDistanceThr*; or | Suggest to remove “being” | zhang.mengjie@zte.com.cn |  |
| 15 |  | The reporting events concerning Aerial UE altitude are labelled H*N* with *N* equal to 1 and 2. Additionally, the reporting events concerning Aerial UE altitude and the neighboring cell measurements simultaneously are labelled A*M*H*N* with *M* equal to 3, 4, 5 and *N* equal to 1, 2.  Event H1: Aerial UE altitude becomes higher than a threshold; | Change “;” to “.” | zhang.mengjie@zte.com.cn |  |
| 16 | N | 5.2.2.4.21:  1> if *SatSwitchWithReSync* and *t-Service* are included, and the UE supports hard satellite switch with resynchronization;  2> if *t-ServiceStart* is included and the UE supports soft satellite switch with resynchronization:  3> perform the satellite switch with resynchronization as specified in 5.7.19 between the time indicated by *t-ServiceStart* and the time indicated by *t-Service* for the serving cell.  2> else:  3> perform the satellite switch with resynchronization as specified in 5.7.19 at the time indicated by *t-Service* for the serving cell. | * Field name *satSwitchWithReSync* instead of IE name should be used. * Semicolon should be replaced by colon. * Format of indentation level “3>” should be “B3”. | hchoi5@lenovo.com |  |
| 17 | N | 5.5.2.12:  1> if effectiveMeasWindowConfig is set to setup:  2> if an effective measurement window configuration is already setup:  3> release the effective measurement window configuration;  2> setup an effective measurement window configuration indicated by the *effectiveMeasWindowConfig* in accordance with the received *windowOffsetPeriodicity* (providing *periodicity* and *offset* for the following condition), i.e., the first subframe of each window occurs at an SFN and subframe meeting the following condition:  SFN mod *T* = FLOOR(*offset*/10);  subframe = *offset* mod 10;  with *T* = *periodicity*/10;  1> else if effectiveMeasWindowConfig is set to release:  2> release the effective measurement window configuration; | * Highlighted field names/values should be set in italics. * Last semicolon should be replaced by dot. | hchoi5@lenovo.com |  |
| 18 | Y | 6.2.2, Paging message:  PagingRecord-v1800 ::= SEQUENCE {  mt-SDT ENUMERATED {true} OPTIONAL -- Need N  } | Add suffix "-r18" for field mt-SDT. | hchoi5@lenovo.com |  |
| 19 | N | 6.2.2, RRCRelease message, SRS-PosRRC-InactiveValidityAreaConfig field descriptions:  ***srs-PosHyperSFN-Index***  Indicates whether the current SFN is even or odd SFN for SRS for Positioning transmission. If this filed is not configured, the UE assumes that SRS for positioning periodictity longer than one SFN is not configured. | In the description of srs-PosHyperSFN-Index two typos should be fixed:   * filed ->field * periodictity ->periodicity | hchoi5@lenovo.com |  |
| 20 | Y | 6.2.2, UEInformationResponse message:  PerRASSBInfo-v1800 ::= SEQUENCE {  allPreamblesBlocked ENUMERATED {true} OPTIONAL,  lbt-Detected-r18 ENUMERATED {true} OPTIONAL,  ...  }  PerRACSI-RSInfo-v1800 ::= SEQUENCE {  allPreamblesBlocked ENUMERATED {true} OPTIONAL,  lbt-Detected-r18 ENUMERATED {true} OPTIONAL,  ...  } | Add missing suffix “-r18” for field allPreamblesBlocked. | hchoi5@lenovo.com |  |
| 21 | Y | 6.2.2, UEInformationResponse message:  scgFailureCause-r18 ENUMERATED {t310-Expiry, randomAccessProblem, rlc-MaxNumRetx,  synchReconfigFailureSCG, scg-ReconfigFailure,  srb3-IntegrityFailure, scg-lbtFailure-r16, beamFailureRecoveryFailure-r16,  t312-Expiry-r16, bh-RLF-r16, beamFailure-r17, spare3, spare2, spare1 } | The scgFailureCause-r18 IE is a new R18 type. Therefore, the suffices "-r16" and "-r17" can be removed from the values. Furthermore, two spare values ("spare5, spare4") should be added to fully use the 4-bit value range. | hchoi5@lenovo.com |  |
| 22 | N | 6.3.1, SIB19:  ***satSwitchWithReSync* field descriptions** | In the title of field descriptions table the letter “s” should be set to capital letter. | hchoi5@lenovo.com |  |
| 23 | Y | 6.3.2, IE CandidateTCI-UL-State:  CandidateTCI-UL-State-r18 ::= SEQUENCE {  tci-UL-StateId-r18 TCI-UL-StateId-r17,  referenceSignal-r18 CHOICE {  ssb-Index SSB-Index,  csi-RS-Index NZP-CSI-RS-ResourceId  },  pathlossReferenceRS-Id-r18 PathlossReferenceRS-Id-r17 OPTIONAL, -- Need R  …  }  ***Tci-UL-StateID***  The ID number of the uplink TCI state. | * In ASN.1 the format of the ellipsis should be fixed. * In field description in name Tci-UL-StateID the letter “T” should be set in lowercase letter. | hchoi5@lenovo.com |  |
| 24 | Y | 6.3.2, IE CodebookConfig:  typeII-CJT-PortSelection-r18 SEQUENCE { paramCombination-CJT-PS-r18 INTEGER (1..5),  paramCombination-CJT-PS-alpha-r18 SEQUENCE (SIZE (1..4)) OF INTEGER (1..8) OPTIONAL, -- Need R | In IE type of typeII-CJT-PortSelection-r18 a line break should be added after “SEQUENCE {“. | hchoi5@lenovo.com |  |
| 25 | Y | 6.3.2, IE CSI-ReportSubConfig:  nzp-CSI-RS-ResourceList-r18 SEQUENCE (SIZE (1..maxNrofNZP-CSI-RS-ResourcesPerSet)) OF NZP-CSI-RS-ResourceIndex    NZP-CSI-RS-ResourceIndex ::= INTEGER (0..maxNrofNZP-CSI-RS-ResourcesPerSet-1-r18)  **CSI-ReportSubConfig field descriptions:**  ***port-subsetIndicator***  Indicates the number of ports of the NZP CSI-RS resources indicated in *nzp-CSI-RS-resourceList* (the value is the same like portNumber of these NZP CSI-RS resources) and the (sub)set of CSI-RS antenna ports used for CSI calculation of the sub-configuration. …  ***nzp-CSI-RS-resourceList***  … | ASN.1: Suffix “-r18” missing for IE NZP-CSI-RS-ResourceIndex.  Field descriptions: field names should be aligned with ASN.1.   * *port-subsetIndicator ->portSubsetIndicator* * *nzp-CSI-RS-resourceList ->nzp-CSI-RS-ResourceList* | hchoi5@lenovo.com |  |
| 26 | Y | 6.3.2, IE LTM-Candidate:  ltm-NoResetID-r18 INTEGER (1..maxNrofLTM-Configs-r18-plus-1)    ltm-UE-MeasuredTA-ID-r18 INTEGER (1..maxNrofLTM-Configs-r18-plus-1)  6.3.2, IE LTM-Config:  ltm-ServingCellNoResetID-r18 INTEGER (1..maxNrofLTM-Configs-r18-plus-1)  ltm-ServingCellUE-MeasuredTA-ID-r18 INTEGER (1..maxNrofLTM-Configs-r18-plus-1) | For constant maxNrofLTM-Configs-r18-plus-1 the format of suffix is wrong, should be “maxNrofLTM-ConfigsPlus1-r18". | hchoi5@lenovo.com |  |
| 27 | Y | 6.3.2, IE LTM-CSI-ResourceConfigId:  LTM-CSI-ResourceConfigId-r18 ::= INTEGER (0..maxNrofLTM-CSI-ResourceConfigurations-r18-1) | For constant maxNrofLTM-CSI-ResourceConfigurations-r18-1 the format of suffix is wrong, should be “-1-r18". | hchoi5@lenovo.com |  |
| 28 | Y | 6.3.2, IE MeasObjectNR-SL:  MeasObjectNR-SL-v1800 ::= SEQUENCE {  sl-Frequency INTEGER (1..maxNrofFreqSL-r16),  tx-PoolMeasToRemoveList-r16 Tx-PoolMeasList-r16 OPTIONAL, -- Need N  tx-PoolMeasToAddModList-r16 Tx-PoolMeasList-r16 PTIONAL -- Need N  } | * Suffix “-r18” missing for field sl-Frequency. * Suffix for fields tx-PoolMeasToRemoveList-r16 and tx-PoolMeasToAddModList-r16 should be “-r18”. | hchoi5@lenovo.com |  |
| 29 | Y | 6.3.2, IE MeasWindowConfig:  MeasWindowConfig-r18 ::= SEQUENCE {  windowOffsetPeriodicity CHOICE {  periodicityMs40 INTEGER (0..39),  periodicityMs80 INTEGER (0..79),  ...  },  windowDuration ENUMERATED {ms2, ms5, ms5dot5, spare1},  ...  } | Suffix “-r18” missing for fields windowOffsetPeriodicity and windowDuration. | hchoi5@lenovo.com |  |
| 30 | N | 6.3.2, IE PDSCH-Config:   |  | | --- | | **Conditional Presence** | | DCI-1-3 | | The name of condition “DCI-1-3” should be set in italics. | hchoi5@lenovo.com |  |
| 31 | Y | 6.3.2, IE ReportConfigNR:  ReportOnScellActivation-r18 ::= SEQUENCE {  rsType NR-RS-Type,  reportQuantityRS-Indexes MeasReportQuantity,  maxNrofRS-IndexesToReport INTEGER (1..maxNrofIndexesToReport),  includeBeamMeasurements BOOLEAN  } | Suffix “-r18” missing for the fields inside ReportOnScellActivation-r18. | hchoi5@lenovo.com |  |
| 32 | Y | 6.3.2, IE ResumeCause:  ResumeCause ::= ENUMERATED {emergency, highPriorityAccess, mt-Access, mo-Signalling, mo-Data, mo-VoiceCall, mo-VideoCall, mo-SMS, rna-Update, mps-PriorityAccess, mcs-PriorityAccess, mt-SDT, srs-PosConfigOrActivationReq-v1800, spare3, spare2, spare1 } | Suffix “-v1800” missing for new value “mt-SDT”. | hchoi5@lenovo.com |  |
| 33 | N | 6.3.2, IE SchedulingRequestResourceConfig:  ***periodicityAndOffset***  …  UE indicates support of the following SR periodicities in *additionalSR-Periodicities* (see TS 38.306, clause 4.2.6): | The UE capability “additionalSR-Periodicities” has been defined in TS 38.306 in PHY-Parameters. Therefore, in the description of periodicityAndOffset the highlighted part should be revised to:  "TS 38.306 [26], clause 4.2.7.10". | hchoi5@lenovo.com |  |
| 34 | Y | 6.3.2, IE ServingCellConfig:  tag2-r18 SEQUENCE {  tag2-Id TAG-Id,  tag2-flag BOOLEAN  } | For the two fields inside tag2-r18 IE, the suffix “-r18” is missing. | hchoi5@lenovo.com |  |
| 35 | Y | 6.3.2, IE SRS-Config:  TxHoppingConfig-r18 ::= SEQUENCE {  overlapValue-r18 ENUMERATED {zeroRB, oneRB, twoRB, fourRB},  numberOfHops INTEGER(1..6),  slotOffsetForRemainingHopsList-r18 SEQUENCE (SIZE (1..maxNrofHops-r18-1) ) OF SlotOffsetForRemainingHops-r18,  ...  }  TxHoppingConfig field descriptions:  ***slotOffsetForRemainingHopsList***  This field specifies the starting slot offset and starting symbol for the SRS resource with tx hopping for different resource types (aperiodic, semi-persistent or periodic SRS transmission). Each hop is configured with the same periodcity. | * For field numberOfHops the suffix “-r18” is missing. * For constant maxNrofHops-r18-1 the format of the suffix is wrong, should be “-1-r18”. * In the description of slotOffsetForRemainingHopsList the typo in “periodcity” should be fixed (should be “periodicity”). | hchoi5@lenovo.com |  |
| 36 | N | 6.3.2, IE SRS-Config, SRS-Resource, SRS-PosResource field descriptions + SRS-ResourceSet, SRS-PosResourceSet field descriptions:  ***srs-PosHyperSFN-Index***  Indicates whether the current SFN is even or odd SFN for SRS for Positioning transmission. If this filed is not configured, the UE assumes that SRS for positioning periodictity longer than one SFN is not configured. | In the description of srs-PosHyperSFN-Index two typos should be fixed:   * filed ->field * periodictity ->periodicity | hchoi5@lenovo.com |  |
| 37 | Y | 6.3.2, IE SRS-PosResourceSetLinkedForAggBW:  -- ASN1START  -- TAG- SRS-POSRESOURCESETLINKEDFORAGGBW-START  -- TAG- SRS-POSRESOURCESETLINKEDFORAGGBW-STOP  -- ASN1STOP | Redundant space in the START/STOP tag name should be removed. | hchoi5@lenovo.com |  |
| 38 | Y | 6.3.5, IE SL-BWP-PRS-PoolConfig:  SL-PRS-TxPoolDedicated-r18 ::= SEQUENCE {  sl-PRS-PoolToReleaseList-r1 SEQUENCE (SIZE (1..maxNrofSL-PRS-TxPool-r18)) OF SL-PRS-ResourcePoolID-r18 OPTIONAL, -- Need N | Suffix of field sl-PRS-PoolToReleaseList-r1 should be “-r18”. | hchoi5@lenovo.com |  |
| 39 | Y | 6.3.5, IE SL-CBR-CommonTxDedicated-SL-PRS-RP-List:  *SL-CBR-CommonTxDedicated-SL-PRS-RP-List*  The IE *SL-CBR-CommonTxConfigListDedicated-SL-PRS-RP* indicates the list of SL PRS transmission parameters…  -- ASN1START  -- TAG- SL-CBR-COMMONTXDEDICATEDSL-PRS-RP-LIST-START  SL-CBR-CommonTxDedicatedSL-PRS-RP-List-r18 ::= SEQUENCE { | * In the IE name the redundant dash should be removed to be aligned with ASN.1. * In the description the highlighetd IE name should be corrected to *SL-CBR-CommonTxDedicatedSL-PRS-RP-List*. * In ASN.1 the redundant space in the START tag name should be removed. | hchoi5@lenovo.com |  |
| 40 | N | 6.3.5, IE SL-ConfiguredGrantConfig-Dedicated-SL-PRS-RP:  – *SL-ConfiguredGrantConfigDedicated-SL-PRS-RP*  The IE *SL-ConfiguredGrantConfig-Dedicated-SL-PRS-RP* specifies the configured grant configuration information for NR sidelink positioning in a dedicated SL-PRS resource pool..  ***SL-ConfiguredGrantConfigDedicated-SL-PRS-RP* information element**  ***SL-ConfiguredGrantConfig* field descriptions** | * In the description redundant dashes in the IE name should be removed to be aligned with ASN.1. * Title of field descriptions table should be replaced by “*SL-ConfiguredGrantConfigDedicatedSL-PRS-RP*”. | hchoi5@lenovo.com |  |
| 41 | Y | 6.3.5, IE SL-LBT-FailureRecoveryConfig:  The IE *SL-LBT-FailureRecoveryConfig-r18* is used to configure the parameters used for detection and cancellation of sidelink consistent LBT failures for operation with shared spectrum channel access, as specified in TS 38.321 [3].  SL-LBT-FailureRecoveryConfig-r18 ::= SEQUENCE {  sl-lbt-FailureInstanceMaxCount-r18 ENUMERATED {n4, n8, n16, n32, n64, n128} OPTIONAL, -- Need M  sl-lbt-FailureDetectionTimer-r18 ENUMERATED {ms10, ms20, ms40, ms80, ms160, ms320} OPTIONAL, -- Need M  sl-LBT-RecoveryTimer-r18 ENUMERATED {ms10, ms20, ms40, ms80, ms160, ms320} OPTIONAL, -- Need M  ...  } | * In the description the suffix “-r18” is not needed. * In ASN.1 the part “LBT” in field name sl-LBT-RecoveryTimer-r18 should be set in lowercase letters to be consistent with the naming of the other fields. | hchoi5@lenovo.com |  |
| 42 | N | 6.3.5, IE SL-ResourcePool:  ***sl-A2X-Service***  Presence of this field indicates the resource pool is dedicated for A2X service, i.e., not to be used for other than A2X service. Value *brid* indicates the resource pool is for BRID, value *daa* indicates the resource pool is for DAA, and value *bridAndDAA* indicates the resource poos is for both BRID and DAA. If this field is absent in all the configured resource pools, the UE may choose non-dedidcated resource pool for A2X service. | In the decription of sl-A2X-Service two typos should be fixed:   * poos ->pool * non-dedidcated ->non-dedicated | hchoi5@lenovo.com |  |
| 43 | Y | 6.4:  maxNrofHops-r18-1  maxNrofLTM-Configs-r18-plus-1  maxNrofLTM-CSI-ResourceConfigurations-r18-1  maxNrofCandidateTCI-State-r18-1  maxNrofCandidateUL-TCI-r18-1 | The wrong format of suffices for the concerned constants should be corrected as follows:   * maxNrofHops-r18-1 ->maxNrofHops-1-r18 * maxNrofLTM-Configs-r18-plus-1 ->maxNrofLTM-ConfigsPlus1-r18 * maxNrofLTM-CSI-ResourceConfigurations-r18-1 ->   maxNrofLTM-CSI-ResourceConfigurations-1-r18   * maxNrofCandidateTCI-State-r18-1 ->maxNrofCandidateTCI-State-1-r18 * maxNrofCandidateUL-TCI-r18-1 ->maxNrofCandidateUL-TCI-1-r18   It should be noted that the constants maxNrofCandidateTCI-State-r18-1and maxNrofCandidateUL-TCI-r18-1 are defined in 6.4 but not used elsewhere. | hchoi5@lenovo.com |  |
| 44 | Y | 6.6.2, NotificationMessageSidelink message:  -- TAG-NOTIFICATIONMESSAGESIDELINK -STOP  -- ASN1STOP | Redundant space in the STOP tag name should be removed. | hchoi5@lenovo.com |  |
| 44 | N | 6.6.2, UEInformationRequestSidelink field descriptions:  ***SL-E2E-QoS-ConnectionListPC5***  Indicates the QoS info for a list of end-to-end PC5 connections with each connection indicated by the destination L2 ID of the peer L2 U2U Remote UE. | To be aligned with ASN.1 the prefix “SL” should be set in lowercase letters. | hchoi5@lenovo.com |  |
| 45 | N | 7.4:  – *VarAppLayerPLMN-LisConfig* | In the variable name the letter “t” is missing, should say “*VarAppLayerPLMN-ListConfig*”. | hchoi5@lenovo.com |  |
| 46 | N | 7.4:  – *VarLTM-Config*  The IE *VarLTM-Config* is used to store the reference configuration and the LTM candidate configurations.  – *VarLTM-ServingCellNoResetID*  The IE *VarLTM-ServingCellNoResetID* is used to store the serving cell ID based on which the UE determines whether a L2 reset is needed or not upon an LTM cell switch procedure.  – *VarLTM-ServingCellUE-MeasuredTA-ID*  The IE *VarLTM-ServingCellUE-MeasuredTA-ID* is used to store the serving cell ID based on which the UE determines whether UE-based TA measurements are needed or not upon an LTM cell switch procedure. | In the description of the concerned variables “IE” should be replaced by “UE”. | hchoi5@lenovo.com |  |
| 47 | N | 7.4:  ***VarSuccessPSCell-Report* variable** | In the title of the variable the “UE” is missing, i.e. should say “*VarSuccessPSCell-Report* UE variable”. | hchoi5@lenovo.com |  |
| 48 | N | 9.1.1.4, last table:   |  |  | | --- | --- | | MAC configuration |  | | *>priority* | 1 | | *>proritisedBitRate* | Inifinity | | Typos in the table should be fixed:   * “proritisedBitRate” ->prioritisedBitRate * “Inifinity” ->”infinity” | hchoi5@lenovo.com |  |
| 49 | Y | 11.2.2, CG-Config message:  CG-Config-v1800-IEs ::= SEQUENCE {  candidateServingFreqRangeListNR-r18 CandidateServingFreqRangeListNR-r18 OPTIONAL,  candidateServingFreqListNR-r16 CandidateServingFreqListNR-r16 OPTIONAL,  idc-TDM-AssistanceConfig-r18 ENUMERATED {enabled} OPTIONAL,  candidateCellInfoListSubsequentCPC-r18 CandidateCellInfoListCPC-r17 OPTIONAL,  scpac-ReferenceConfigurationSCG-r18 ReferenceConfiguration-r18 OPTIONAL,  nonCriticalExtension SEQUENCE {} OPTIONAL  }  CG-Config field descriptions:  ***candidateServingFreqListNR, candidateServingFreqListEUTRA***  Indicates frequencies of candidate serving cells for In-Device Co-existence Indication (see TS 36.331 [10]).  ***candidateServingFreqListNR-r16***  indicates the candidate frequencies configured by SN for IDC. This field is only used in NR-DC. | * In ASN.1 and field description the suffix of field candidateServingFreqListNR-r16 should be “-r18”. * In field description of candidateServingFreqListNR-r16 the word “indicates” should start with capital letter. | hchoi5@lenovo.com |  |
| 50 | N | 5.2.2.4.25  Upon receiving *SIBXX*, the UE shall:  1> if *sl-FreqInfoList* is included in *sl-PosConfigCommonNR*:  2> if configured to receive sidelink control information for SL-PRS measurement:  3> use the resource pool(s) indicated by *sl-RxPool* and/or *sl-PRS-RxPool* for sidelink control information reception for SL-PRS , as specified in 5.8.X.2; | No need to mention the SCI reception in the RRC procedure, since SCI reception is the PHY operation, in order to achieve SL-PRS reception.  Change the highlight part into “SL-PRS”. | yuanli@vivo.com |  |
| 51 | N | 5.3.5.14  2> if configured to receive sidelink control information for SL-PRS measurement:  3> use the resource pool(s) indicated by *sl-RxPool* and/or *sl-PRS-RxPool* for SL-PRS reception, as specified in 5.8.18.2; | Same reason to Issue 50.  Change the highlight part into “SL-PRS”. | yuanli@vivo.com |  |
| 52 | N | 5.8.3.1  Figure 5.8.3.1-1: Sidelink UE information for NR sidelink communication/discovery | The figure describes SUI transmission procedure, which includes SUI triggered by SIB23 reception. Thus NR sidelink positioning is included.  Besides, SIBXX should be correctly named as SIB23. | yuanli@vivo.com |  |
| 53 | N | 5.8.3.2  A UE capable of NR sidelink communication or NR sidelink discovery or NR sidelink U2N relay operation or NR sidelink U2U relay operation or NR sidelink positioning that is in RRC\_CONNECTED may initiate the procedure to indicate it is (interested in) receiving or transmitting NR sidelink communication or NR sidelink discovery or NR sidelink U2N relay operation or NR sidelink U2U relay operation or SL-PRS transmission/reception in several cases including upon successful connection establishment or resuming, upon change of interest, upon changing QoS profile(s), upon receiving *UECapabilityInformationSidelink* from the associated peer UE, upon RLC mode information updated from the associated peer UE or upon change to a PCell providing *SIB12* including *sl-ConfigCommonNR,* or upon change to a PCell providing *SIB23* including *sl-PosConfigCommonNR*. | Editor problem.  Delete “transmission/reception”. | yuanli@vivo.com |  |
| 54 | N | 5.8.3.2  A UE capable of NR sidelink positioning may initiate the procedure to request it is interested or no longer interested in either transmitting SL-PRS or receiving sidelink control information for SL-PRS. | Make no sense on UE to “request” on its interest. UE use UAI to indicate NW about its preference on frequency to receive/transmit Sl-PRS.  Change “request” into “indicate”. | yuanli@vivo.com |  |
| 55 | N | 5.8.3.2  A UE capable of NR sidelink positioning may initiate the procedure to request it is interested or no longer interested in either transmitting SL-PRS or receiving sidelink control information for SL-PRS. | Same reason to Issue 50.  Change the highlight part into “SL-PRS”. | yuanli@vivo.com |  |
| 56 | N | 5.8.3.2  1> if *SIB23* including *sl-PosConfigCommonNR* is provided by the PCell:  2> if configured to receive sidelink control information for SL-PRS on the frequency included in *sl-FreqInfoList* in *SIB23* of the PCell: | Same reason to Issue 50.  Change the highlight part into “SL-PRS”. | yuanli@vivo.com |  |
| 57 | N | 5.8.3.3  3> if configured to receive sidelink control information for SL-PRS measurements;  4> include *sl-PosRxInterestedFreqList* and set it to the frequency for NR sidelink positioning reception. | Same reason to Issue 50.  Change the highlight part into “SL-PRS”. | yuanli@vivo.com |  |
| 58 | N | 5.8.18.3  2> else:  3> configure lower layers to perform the sidelink resource allocation scheme 2 based on resource selection operation according to *sl-PosAllowedResourceSelectionConfig* (as defined in TS 38.321 [3] and TS 38.214 [19]) using the pools of resources indicated by *sl-PRS-TxPoolSelectedNormal* in *SL-PosPreconfigurationNR* for the concerned frequency or based on *sl-AllowedResourceSelectionConfig* (as defined in TS 38.321 [3] and TS 38.214 [19]) using the pools of resources indicated by *sl-TxPoolSelectedNormal* in *SidelinkPreconfigNR* for the concerned frequency.. | Repeat input of the period. Delete one. | yuanli@vivo.com |  |
| 59 | N | 6.3.5*SL-ConfiguredGrantConfigDedicated-SL-PRS-RP*  | *SL-ConfiguredGrantConfig* field descriptions | | --- | | Typo, change the fielf name in the table as” *SL-ConfiguredGrantConfigDedicated-SL-PRS-RP*”.  [Lenovo] Covered by #40. | yuanli@vivo.com |  |
| 60 | N | si-RequestConfigMSG1-Repetition  si-RequestConfigSUL-MSG1-Repetition  si-RequestConfigRedCap-MSG1-Repetition  posSI-RequestConfigMSG1-Repetition  posSI-RequestConfigSUL-MSG1-Repetition  posSI-RequestConfigRedCap-MSG1-Repetition  rsrp-ThresholdMsg1-RepetitionNum2  rsrp-ThresholdMsg1-RepetitionNum4  rsrp-ThresholdMsg1-RepetitionNum8  preambleTransMax-Msg1-Repetition | The naming of these has been done in singular (repetition). However, other mentions for similar functionality uses plural, e.g. “repetitions”: msg1-Repetitions-r18  msg1-Repetitions-Priority-r18  Also older examples exists:  msg3-Repetitions-r17  numberOfMsg3-RepetitionsList-r17  In the procedural text, it is also referred to in plural, e.g. “if msg1-Repetitions is included”  In some cases, it seems correct to use singular, since they point to a specific repetition number, like 2, 4 or 8, and not a true/false, range or similar:  msg1-RepetitionNum  msg1-RepetitionTimeOffsetROGroup  Consider to rename to plural, e.g. using Repetitions. | oskar.myrberg@ericsson.com |  |
| 61 | N | msg1-RepetitionTimeOffsetROGroup | Correct naming should be msg1-RepetitionTimeOffsetRO-Group | oskar.myrberg@ericsson.com |  |
| 62 | N | 5.8.3.3 Actions related to transmission of *SidelinkUEInformationNR* message  5> include *sl-U2U-InfoList* and set its fields (if needed) for each entry as follows, to report the related information of the connected L2 Remote UEs:  6> include the source L2 U2U Remote UE’s source L2 destination in *sl-TargetUE-Identity*; | The L2 U2U Relay UE shall “include the source L2 U2U Remote UE’s source L2 destination in *sl-TargetUE-Identity*”, which instead should be *sl-SourceUE-Identity*.  Thus, it should be corrected to *sl-SourceUE-Identity*. | lider\_pan@asus.com |  |
| 63 | N | 5.8.3.3 Actions related to transmission of *SidelinkUEInformationNR* message  5> set *sl-CapabilityInformationSidelink* to include *UECapabilityInformationSidelink* message(s) received from L2 U2U Relay UE and the peer L2 U2U Remote UE, if any; | The L2 U2U Remote UE shall “set *sl-CapabilityInformationSidelink* to include *UECapabilityInformationSidelink* message received from L2 U2U Relay UE and the peer L2 U2U Remote UE, if any”. Since two *UECapabilityInformationSidelink* messages may be received from L2 U2U Relay UE and the peer L2 U2U Remote UE, it is more precise to use “message(s)” to replace “message”. | lider\_pan@asus.com |  |
| 64 | N | 5.8.3.3 Actions related to transmission of *SidelinkUEInformationNR* message  6> set *sl-PerSLRB-QoS-InfoList* to include the first-hop split PDB of the sidelink QoS flow(s) received from the *sl-SplitQoS-InfoListPC5* in *UEInformationResponseSidelink* message for the associated destination in accordance with the received *sl-TargetUE-Identity*; | *sl-PerHop-QoS-InfoList* should be used instead of *sl-PerSLRB-QoS-InfoList*. | lider\_pan@asus.com |  |
| 65 | N | 5.8.9.2.1 General  This clause describes how the UE compiles and transfers its (end-to-end) sidelink UE capability information for unicast to the initiating UE. | It was confirmed in RAN2#124 that the E2E UE capability transfer AS layer procedure should be performed to support L2 U2U Relay. And, the end-to-end sidelink UE capability transfer was captured in Figure 16.12.7-1: Procedure for L2 U2U Remote UE connection establishment in TS 38.300-i00. However, this agreement is missing in the current RRC specification. We think this agreement should also be reflected in the RRC specification. | lider\_pan@asus.com |  |
| 66 | N | 6.3.4 Other information elements  ***ran-VisibleReportingSRB***  The field indicates the SRB to be used for transmission of RAN visible application layer measurement reports. | The description for *ran-VisibleReportingSRB* should be moved down under RAN-VisibleParameters field description (instead of under AppLayerMeasConfig field descriptions) because RAN-VisibleParameters is the parent IE of the *VisibleReportingSRB*. | ping.1.yuan@nokia-sbell.com |  |
| 67 | N | ***idleInactiveReportAllowed***  The field indicates whether transmission of application layer measurement reports collected in RRC\_IDLE and/or RRC\_INACTIVE is allowed and if transmission of application layer measurement configurations applicable to RRC\_IDLE and/or RRC\_INACTIVE is allowed. If fhe field is not configured, transmission of application layer measurement reports and/or configurations for RRC\_IDLE/RRC\_INACTIVE are not allowed. | Typo:  fhe -> the | ping.1.yuan@nokia-sbell.com |  |
| 68 | N | mce-Id-r18 OCTET STRING (SIZE (1))    ***mce-id***  The field contains the Measurement Collection Entity Id, see TS 28.405 [55].  AppLayerIdleInactiveConfig-r18 ::= SEQUENCE {  configForRRC-IdleInactive-r18 ENUMERATED {true} OPTIONAL, -- Need M  1> if *idleInactiveReportAllowed* is not included in the *RRCReconfiguration* message:  2> for each application layer measurement configuration with *configforRRC-IdleInactive* set to *true*:  1> for each stored application layer measurement configuration with *configforRRC-IdleInactive* set to *true* and for which *appLayerIdleInactiveConfig* has not been transmitted since the UE entered RRC\_CONNECTED*:*  ***measConfigReportAppLayerAvailable***  Indication that the UE has stored one or more application layer measurement reports while the UE was in RRC\_IDLE/RRC\_INACTIVE state and/or that the UE is configured with at least one application layer measurement configuration with *configforRRC-IdleInactive* set to *true*. | Field description for mce-id should be corrected as mce-Id to align with ASN.1.  The *configforRRC-IdleInactive* should be configForRRC-IdleInactive to align with ASN.1. | ping.1.yuan@nokia-sbell.com |  |
| 69 | Y | 6.3.2  EventTriggerConfig::= | Space is needed before ::=  Note: this is not an issue introduced in Rel-18. There is same issue for Rel-15 to Rel-17 versions. | zhangyujian@xiaomi.com |  |
| 70 | N | 6.3.2  Field description for *pagingPTWLength*  Value *ms1280* corresponds to 1280 miliseconds, value *ms2560* corresponds to 2560 miliseconds and so on.  Field description for *remainingTimeThreshold*  Remaining time threshold used for triggering DSR for the Logical Channel Group, as specified in TS 38.321 [3]. Value in number of miliseconds. | Typo, miliseconds should be milliseconds. | zhangyujian@xiaomi.com |  |
| 71 | N | Naming of T346x (there are 7 instances of T346x) | Should be changed to T346l (as defined in clause 7.1.1). | zhangyujian@xiaomi.com |  |
| 72 | N | 5.10.3.2 Multicast MRB establishment Upon establishment of a multicast MRB, the UE shall:  1> establish a PDCP entity and an RLC entity i n accordance with *MRB-InfoBroadcast* for this multicast MRB included in the *MBSMulticastConfiguration* message and the configuration specified in 9.1.1.7; | The following ‘space’ should be removed.  an RLC entity i n accordance | daimz4@Lenovo.com |  |
| 73 | N | 5.10.3.2 Multicast MRB establishment Upon establishment of a multicast MRB, the UE shall:  1> establish a PDCP entity and an RLC entity i n accordance with *MRB-InfoBroadcast* for this multicast MRB included in the *MBSMulticastConfiguration* message and the configuration specified in 9.1.1.7; | ‘MRB-InfoBroadcast’ should be changed to ‘MRB-InfoMulticast’ as follows.  accordance with *MRB-InfoMulticast* for this multicast MRB included in | daimz4@Lenovo.com |  |
| 74 | N | 5.7.10.3  1> if the *successHO-ReportReq* is set to *true* and if the UE has successful handover related information available in *VarSuccessHO-Report* and if the current registered SNPN is included in *snpn-IdentityList* if stored in the *VarSuccessHO-Report*: | Unnecessary “if” before stored  1> if the *successHO-ReportReq* is set to *true* and if the UE has successful handover related information available in *VarSuccessHO-Report* and if the current registered SNPN is included in *snpn-IdentityList* ~~if~~ stored in the *VarSuccessHO-Report*: | gyorgy.wolfner@nokia.com |  |
| 75 | N | 5.7.10.3  1> if the *successPSCell-ReportReq* is set to *true* and if the UE has successful PSCell change or addition information available in *VarSuccessPSCell-Report* and if the current registered SNPN is included in *snpn-IdentityList* if stored in the *VarSuccessPSCell-Report*: | Unnecessary “if” before stored  1> if the *successPSCell-ReportReq* is set to *true* and if the UE has successful PSCell change or addition information available in *VarSuccessPSCell-Report* and if the current registered SNPN is included in *snpn-IdentityList* if stored in the *VarSuccessPSCell-Report*: | gyorgy.wolfner@nokia.com |  |
| 76 | N | 5.7.10.4  1> if the registered SNPN or the SNPN selected by upper layers (see TS24.501 [23]) from the list of SNPN(s) included in the *NPN-IdentityInfoList* in *SIB1*is not included in *plmn-IdentityList* stored in a non-empty *VarRA-Report*: | Space is missing after SIB1  1> if the registered SNPN or the SNPN selected by upper layers (see TS24.501 [23]) from the list of SNPN(s) included in the *NPN-IdentityInfoList* in *SIB1* is not included in *plmn-IdentityList* stored in a non-empty *VarRA-Report*: | gyorgy.wolfner@nokia.com |  |
| 77 | N | 5.8.9.7.1  1> for unicast in L2 U2U relay operation, if there is no end-to-end sidelink DRB(s) associated with this RLC channel: | Rewording proposal to make the text cleaner:  1> for ~~unicast in~~ L2 U2U relay ~~operation~~, if there is no end-to-end sidelink DRB~~(s)~~ associated with ~~this~~ the PC5 Relay RLC channel: | gyorgy.wolfner@nokia.com |  |
| 78 | N | 5.8.9.7.1  2> for each *SL-RLC-ChannelID* in *sl-RLC-ChannelToReleaseList* received in *sl-ConfigDedicatedNR* within *RRCReconfiguration,* or for each *SL-RLC-ChannelID* included in the received *sl-RLC-ChannelToReleaseListPC5* that is part of the current UE sidelink configuration, or for the RLC channel to be released: | Rewording proposal, as the current text is not very clear:  2> for each *SL-RLC-ChannelID* in *sl-RLC-ChannelToReleaseList* received in *sl-ConfigDedicatedNR* within *RRCReconfiguration,* or for each *SL-RLC-ChannelID* included in the received *sl-RLC-ChannelToReleaseListPC5* that is part of the current UE sidelink configuration, or for the SL-RLC ChannelID in L2 U2U relay that has no associated end-to-end sidelink DRB~~channel to be released~~: | gyorgy.wolfner@nokia.com |  |
| 79 | N | 5.8.15.3  2> if the UE has a selected NR sidelink U2N Relay UE, and upper layers request the release of the PC5-RRC connection; or | Additional clarification to make to text unambiguous:  2> if the UE has a selected NR sidelink U2N Relay UE, and upper layers request the release of the PC5-RRC connection to the selected NR sidelink U2N Relay UE; or | gyorgy.wolfner@nokia.com |  |
| 80 | N | 5.3.13.1c:  2> if the frequency on which the UE is configured to transmit NR sidelink positioning is included in *sl-FreqInfoList* within *SIB25* provided by the cell on which the UE camps; and if the valid version of *SIB25* does not include *sl-PRS-TxPoolSelectedNormal* for the concerned frequency; | * The two references to SIB25 should be replaced by "*SIB23*". * Semicolon should be replaced by dot. | hchoi5@lenovo.com |  |
| 81 | N | 5.3.13.6:  1> else if cell reselection occurs when *srs-PosRRC-InactiveValidityAreaConfig* is configured and if the cell is included in the *srs-PosRRC-InactiveValidityAreaConfig*:  2> if *autonomousTA-AdjustmentEnabled* is configured;  3> indicate to the lower layer to update Timing Advance and stored RSRP. | Replace semicolon by colon. | hchoi5@lenovo.com |  |
| 82 | N | 5.8.18.3:  6> if sl-TxPoolExceptional or sl-PRS-TxPoolExceptional for the concerned frequency is included in RRCReconfiguration; or  6> if the PCell provides SIB25 including sl-TxPoolExceptional or sl-PRS-TxPoolExceptional in sl-FreqInfoList for the concerned frequency:  …  6> configure lower layers to perform the sidelink resource allocation scheme 2 based on resource selection operation according to *sl-PosAllowedResourceSelectionConfig* (as defined in TS 38.321 [3] and TS 38.214 [19]) using the pools of resources indicated by *sl-PRS-TxPoolSelectedNormalNormal* for the concerned frequency, or based on resource selection operation according to *sl-AllowedResourceSelectionConfig* (as defined in TS 38.321 [3] and TS 38.214 [19]) using the pools of resources indicated by *sl-TxPoolSelectedNormal* for the concerned frequency; | * References to field names and RRC message should be set in italics. * Reference to SIB25 should be replaced by “*SIB23*”. * Remove redundant “Normal” from name sl-PRS-TxPoolSelectedNormalNormal. | hchoi5@lenovo.com |  |
| 83 | Y | 6.3.2, SRS-PosTx-Hopping:  -- ASN1START  -- TAG- SRS-PosTx-Hopping-START  ***SRS-PosUplinkTransmissionWindowConfig* field descriptions** | * Redundant space in the START tag name should be removed. * In the title of field descriptions “*SRS-PosUplinkTransmissionWindowConfig*” should be replaced by “*SRS-PosTx-Hopping*”. | hchoi5@lenovo.com |  |
| 84 | Y | 6.3.5, SL-ReportConfigList:  SL-RS-Type-r16 ::= ENUMERATED {dmrs, sl-prs, spare2, spare1} | In SL-RS-Type-r16 the suffix “-v1800” should be added to new value “sl-prs”. | hchoi5@lenovo.com |  |
| 85 | Y | 6.3.5, SL-ResourcePool:  sl-SCI-based-SL-PRS-Tx-Trigger-SCI2-D-r18 BOOLEAN OPTIONAL, -- Need M  sl-TriggerConditionRequest-r17 INTEGER (0..1) OPTIONAL -- Need M | Suffix of field sl-TriggerConditionRequest-r17 should be “-r18”. | hchoi5@lenovo.com |  |
| 86 | N | 6.2.2, DLInformationTransfer:   |  | | --- | | Conditional Presence | | ***clockQualityDetailsLevel*** | | Name of condition “clockQualityDetailsLevel” should not be set in bold. | hchoi5@lenovo.com |  |
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