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

**Tbd**

**Agenda Item:** XXX

**Source:** Ericsson

**Title:** NR Rel-18 38.331 ASN.1 Review Q2, 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.
* Try to identify related WI/TEI for the issue.
* 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** | **Related WI** | **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. | Mob | 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. | SDT | hakan.l.palm@ericsson.com |  |
| Ex 3 | Y | RbSetGroup, rbSetGroups | RB-SetGroup, rb-SetGroups |  | hakan.l.palm@ericsson.com |  |
| 4 | Y | tci-inDCI-18 SetupRelease {TCI-inDCI-r18} OPTIONAL -- Need M | Missing “r” in the “*tci-inDCI-18*”. | MIMO | wangda@catt.cn | Fixed |
| 5 | Y | Indiates whether SRB2 is configured for SDT or not. | Typo. Should be “Indicates” | SDT | Fangying.xiao@cn.sharp-world.com | Fixed |
| 6 | N | *snpn-identity* | Change *snpn-identity* to *snpn-Identity* in the procedure description. | SON | wanghaocheng@catt.cn | Fixed |
| 7 | N | 1> else if the UE is in SNPN access mode, set the *snpn-IdentityList* to include the list of equivalent SNPNs stored by the UE (i.e., registered SNPN identity); | In () should be “i.e., includes the registered SNPN identity” | SON | wanghaocheng@catt.cn | Fixed, used “including” |
| 8 | N | 4> if the serving cell is part of the area indicated by *areaConfig* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *cag-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  ~~4> if the serving cell is part of the area indicated by~~ *~~areaConfig~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~cag-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  4> if the serving cell is part of the area indicated by *areaConfig/cag-ConfigList/snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | SON | wanghaocheng@catt.cn | NOK, Skipped |
| 9 | N | 4> if *areaConfiguration* is not included in *VarLogMeasConfig* or if the last suitable cell that the UE was camping on is part of the area indicated by *areaConfig* of *areaConfiguration* in *VarLogMeasConfig*, or if last suitable cell that the UE was camping on is part of the area indicated by *cag-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*, or if last suitable cell that the UE was camping on is part of the area indicated by *snpn-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  4> if *areaConfiguration* is not included in *VarLogMeasConfig* or if the last suitable cell that the UE was camping on is part of the area indicated by *areaConfig/cag-ConfigList/snpn-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*~~, or if last suitable cell that the UE was camping on is part of the area indicated by~~ *~~cag-ConfigList~~* ~~of~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~, or if last suitable cell that the UE was camping on is part of the area indicated by~~ *~~snpn-ConfigList~~* ~~of~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*: | SON | wanghaocheng@catt.cn | NOK, skipped |
| 10 | N | 4> if the serving cell is part of the area indicated by *areaConfig* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *cag-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  4> if the serving cell is part of the area indicated by *areaConfig*/*cag-ConfigList /snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~cag-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~snpn-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*: | SON | wanghaocheng@catt.cn | NOK, skipped |
| 11 | N | 3> if this random-access procedure is triggered by slicing, set *nsag* to the NSAG ID applied in the random-access procedure and set the *triggered-S-NSSAI-List* to include all the *S-NSSAI(s)* associated to the slices triggering the access attempt in the random-access procedure; | ID should be changed to ID(s) | SON | wanghaocheng@catt.cn | Fixed, added also dash |
| 12 | Y | lbtFailure-r18 | lbt-Failure-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 13 | Y | numberOfLBTFailures-r18 | numberOfLBT-Failures-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 14 | Y | mcgRecoveryFailureCause-r18 | mcg-RecoveryFailureCause-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 15 | Y | scgFailureCause-r18 | scg-FailureCause-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 16 | Y | scgDeactivated | scg-Deactivated | SON | wanghaocheng@catt.cn | Fixed |
| 17 | Y | elapsedTimeSCGFailure-r18 ElapsedTimeSCGFailure-r18 OPTIONAL, | elapsedTimeSCG-Failure-r18 ElapsedTimeSCG-Failure-r18 OPTIONAL, | SON | wanghaocheng@catt.cn | Fixed |
| 18 | Y | measResultLastServCell-RSSI-r18 | measResultLastServCellRSSI-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 19 | Y | measResultNeighFreqList-RSSI-r18 MeasResultNeighFreqList-RSSI-r18 OPTIONAL, | measResultNeighFreqListRSSI-r18 MeasResultNeighFreqListRSSI-r18 OPTIONAL, | SON | wanghaocheng@catt.cn | Fixed |
| 20 | Y | eutraTargetCellInfo-r18 | eutra-TargetCellInfo-r18 | SON | wanghaocheng@catt.cn | Fixed |
| 21 | N | ***choCandidate***  This field indicates whether the associated cell is a candidate target cell for conditional handover or conditional PSCell change or addition. This field may be included only in the *SuccessHO-Report* or *SuccessPSCell-Report* within *UEInformationResponse* message. | The yellow highlighted ‘only’ should be removed. | SON | wanghaocheng@catt.cn | NOK, skipped. Further, “only” appears in Rel-17 spec. |
| 22 | Y | SNPN-ConfigList-r18 ::= CHOICE {  snpn-ConfigCellIdList-r18 SNPN-ConfigCellIdList-r18,  snpn-ConfigTAIList-r18 SNPN-ConfigTAIList-r18,  snpn-ConfigIDList-r18 SNPN-ConfigIDList-r18  }  SNPN-ConfigCellIdList-r18 ::= SEQUENCE (SIZE (1..maxSNPN-ConfigCellId-r18)) OF SNPN-ConfigCellId-r18 | All IEs and fields name should add “-” before “List” | SON | wanghaocheng@catt.cn | Fixed, many places |
| 23 | N | maxSNPN-ConfigCellId-r18 INTEGER ::= 32 -- Maximum number of Cell ID subject for SNPNS for MDT scope  maxSNPN-ConfigID-r18 INTEGER ::= 16 -- Maximum number of SNPNs in the MDT SNPN list  maxSNPN-ConfigTAI-r18 INTEGER ::= 8 -- Maximum number of TA subject for MDT scope | There is no definition of “MDT SNPN list”, so may change to:  maxSNPN-ConfigCellId-r18 INTEGER ::= 32 -- Maximum number of Cell ID subject for SNPNS for MDT scope  maxSNPN-ConfigID-r18 INTEGER ::= 16 -- Maximum number of SNPNs subject for MDT scope ~~in the MDT SNPN list~~  maxSNPN-ConfigTAI-r18 INTEGER ::= 8 -- Maximum number of TA subject for SNPNs for MDT scope | SON | wanghaocheng@catt.cn | Fixed |
| 24 | Y | ***measResultLastServCell-RSSI***  This field refers to the log RSSI measurement results in dBm (see TS 38.215 [9]) taken for the frequency of the PCell upon detecting radio link failure or handover failure. | Based on below description in the procedure, we prefer to do below revise to make the sentence clear.  1> if *measRSSI-ReportConfig* is configured for the *measObject* indicated as the *servingCellMO* of the source PCell (in case HO failure) or PCell (in case of RLF), set the *measResultLastServCell-RSSI* to the linear average of the available RSSI sample value(s) provided by lower layers for the frequency of the source PCell (in case HO failure) or PCell (in case of RLF) up to the moment the UE detected the failure;  Revised:  ***measResultLastServCell-RSSI***  This field refers to the log RSSI measurement results in dBm (see TS 38.215 [9]) taken for the frequency of the PCell upon detecting radio link failure or source PCell upon detecting handover failure. | SON | wanghaocheng@catt.cn | Fixed |
| 25 | Y | ***measResultNeighFreqList-RSSI***  This field is used to log the RSSI measurement results in dBm (see TS 38.215 [9]) taken for the neighbouring frequencies upon detecting radio link failure or handover failure, when UE operates in unlicensed spectrum. | In TS 38.300, the “shared spectrum” is unified term for unlicensed spectrum. So it is better to replace it with”shared”.  Revised:  ***measResultNeighFreqList-RSSI***  This field is used to log the RSSI measurement results in dBm (see TS 38.215 [9]) taken for the neighbouring frequencies upon detecting radio link failure or handover failure, when UE operates in ~~unlicensed~~shared spectrum. | SON | wanghaocheng@catt.cn | Fixed |
| 26 | N | 3> if *sn-InitiatedPSCellChange* is configured in the *RRCReconfiguration* including the last applied *RRCReconfiguration* with *reconfigurationWithSync* for the SCG:  4> consider all *measObjectNR* configured by the the source PSCell;  3> else:  4> consider all *measObjectNR* configured by the the PCell; | Delete the extra “the” | SON | wanghaocheng@catt.cn | Fixed |
| 27 | N | *snpn-identity* | Change *snpn-identity* to *snpn-Identity* in the procedure description. | SON | wanghaocheng@catt.cn | Same as 6 |
| 28 | N | 1> else if the UE is in SNPN access mode, set the *snpn-IdentityList* to include the list of equivalent SNPNs stored by the UE (i.e., registered SNPN identity); | In () should be “i.e., includes the registered SNPN identity” | SON | wanghaocheng@catt.cn | Same as 7 |
| 29 | N | 4> if the serving cell is part of the area indicated by *areaConfig* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *cag-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  ~~4> if the serving cell is part of the area indicated by~~ *~~areaConfig~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~cag-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  4> if the serving cell is part of the area indicated by *areaConfig/cag-ConfigList/snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | SON | wanghaocheng@catt.cn | NOK, skipped |
| 30 | N | 4> if *areaConfiguration* is not included in *VarLogMeasConfig* or if the last suitable cell that the UE was camping on is part of the area indicated by *areaConfig* of *areaConfiguration* in *VarLogMeasConfig*, or if last suitable cell that the UE was camping on is part of the area indicated by *cag-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*, or if last suitable cell that the UE was camping on is part of the area indicated by *snpn-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  4> if *areaConfiguration* is not included in *VarLogMeasConfig* or if the last suitable cell that the UE was camping on is part of the area indicated by *areaConfig/cag-ConfigList/snpn-ConfigList* of *areaConfiguration* in *VarLogMeasConfig*~~, or if last suitable cell that the UE was camping on is part of the area indicated by~~ *~~cag-ConfigList~~* ~~of~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~, or if last suitable cell that the UE was camping on is part of the area indicated by~~ *~~snpn-ConfigList~~* ~~of~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*: | SON | wanghaocheng@catt.cn | NOK, skipped |
| 31 | N | 4> if the serving cell is part of the area indicated by *areaConfig* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *cag-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*; or  4> if the serving cell is part of the area indicated by *snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*: | May simply merge to one sentence to reduce redundancy:  4> if the serving cell is part of the area indicated by *areaConfig*/*cag-ConfigList /snpn-ConfigList* in *areaConfiguration* in *VarLogMeasConfig*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~cag-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*~~; or~~  ~~4> if the serving cell is part of the area indicated by~~ *~~snpn-ConfigList~~* ~~in~~ *~~areaConfiguration~~* ~~in~~ *~~VarLogMeasConfig~~*: | SON | wanghaocheng@catt.cn | NOK, Skipped |
| 32 | N | 3> if this random-access procedure is triggered by slicing, set *nsag* to the NSAG ID applied in the random-access procedure and set the *triggered-S-NSSAI-List* to include all the *S-NSSAI(s)* associated to the slices triggering the access attempt in the random-access procedure; | ID should be changed to ID(s) | SON | wanghaocheng@catt.cn | Same as 11 |
| 33 | Y | lbtFailure-r18 | lbt-Failure-r18 | SON | wanghaocheng@catt.cn | Same as 12 |
| 34 | Y | numberOfLBTFailures-r18 | numberOfLBT-Failures-r18 | SON | wanghaocheng@catt.cn | Same as 13 |
| 35 | Y | mcgRecoveryFailureCause-r18 | mcg-RecoveryFailureCause-r18 | SON | wanghaocheng@catt.cn | Same as 14 |
| 36 | Y | scgFailureCause-r18 | scg-FailureCause-r18 | SON | wanghaocheng@catt.cn | Same as 15 |
| 37 | Y | scgDeactivated | scg-Deactivated | SON | wanghaocheng@catt.cn | Same as 16 |
| 38 | Y | elapsedTimeSCGFailure-r18 ElapsedTimeSCGFailure-r18 OPTIONAL, | elapsedTimeSCG-Failure-r18 ElapsedTimeSCG-Failure-r18 OPTIONAL, | SON | wanghaocheng@catt.cn | Same as 17 |
| 39 | Y | measResultLastServCell-RSSI-r18 | measResultLastServCellRSSI-r18 | SON | wanghaocheng@catt.cn | Same as 18 |
| 40 | Y | measResultNeighFreqList-RSSI-r18 MeasResultNeighFreqList-RSSI-r18 OPTIONAL, | measResultNeighFreqListRSSI-r18 MeasResultNeighFreqListRSSI-r18 OPTIONAL, | SON | wanghaocheng@catt.cn | Same as 19 |
| 41 | Y | eutraTargetCellInfo-r18 | eutra-TargetCellInfo-r18 | SON | wanghaocheng@catt.cn | Same as 20 |
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