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

**Tbd**

**Agenda Item:** XXX

**Source:** Samsung

**Title:** LTE Rel-18 36.331 ASN.1 Review, Class 0 issues

**Document for:** Discussion and decision

# Guidelines

* This file is used to log LTE 36.331 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 | NN | 2> derive the KUPint key associated with the *integrityProtAlgorithm* indicated in the SecurityModeCommand message, as specified in TS 33.501 [11]; | Missing italics. | seungri.jin@samsung.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. | seungri.jin@samsung.com |  |
| Ex 3 | Y | RbSetGroup, rbSetGroups | RB-SetGroup, rb-SetGroups | seungri.jin@samsung.com |  |
| 4 | N | 6.3.8, SL-CommResourcePool field descriptions: in the description of sl-A2X-Service the typo in value *bridaAndDAA* should be fixed to be aligned with ASN.1.…Value *brid* indicates the resource pool is for BRID, value *daa* indicates the resource pool is for DAA, and value *bridaAndDAA* indicates the resource pool is for both BRID and DAA. … | Remove redundant letter “a” in *bridaAndDAA.* | hchoi5@lenovo.com |  |
| 5 | Y | For the following fields, -mode should be -Mode:allowedHARQ-mode-r18, uplinkHARQ-mode-r18, UplinkHARQ-mode-NB-r18 | allowedHARQ-Mode-r18, uplinkHARQ-Mode-r18, UplinkHARQ-Mode-NB-r18 | yitao.mo@vivo.com |  |
| 6 | N | In 5.3.3.21, “an UL” should be “a UL”3> restart timer T390 upon indication from lower layers that an UL transmission extension update is applied. | 3> restart timer T390 upon indication from lower layers that a UL transmission extension update is applied. | yitao.mo@vivo.com |  |
| 7 | N | In 5.3.3.21, “GNSS fix” should be “GNSS position fix” for term alignment.1> if the UE does not support performing GNSS fix in RRC\_CONNECTED and ul-TransmissionExtensionEnabled is not configured: | 1> if the UE does not support performing GNSS position fix in RRC\_CONNECTED and ul-TransmissionExtensionEnabled is not configured: | yitao.mo@vivo.com |  |
| 8 | N | In 5.3.3.21, for the expression “with the timer value set to remaining time of timeAlignmentTimer”, “the” should be added in prior to remaining time.  | 1> else if *ul-TransmissionExtensionEnabled* is configured:2> if *timeAlignmentTimer* is not configured to be *infinity*:3> start timer T390 with the timer value set to the remaining time of *timeAlignmentTimer*;3> restart timer T390 upon indication from lower layers that a UL transmission extension update is applied, with the timer value set to the remaining time of *timeAlignmentTimer*; | yitao.mo@vivo.com |  |
| 9 | N | For the FD of triggerCondition, “swithing” should be “switching”.e.g. in hard satellite swithing cases where the coverage gap between previous satellite and the incoming satellite is assumed to be zero or negligible. | ***triggerCondition***The condition that needs to be fulfilled in order to trigger the execution of a conditional reconfiguration for CHO, CPA or MN initiated inter-SN CPC. When configuring two triggering events (MeasIds) for a candidate cell, the network ensures that both refer to the same *measObject*. For each *condReconfigurationId*, the network always configures either *triggerCondition* or *triggerConditionSN* (not both). For CHO in NTN, *condEventD1* or *condEventT1* can be configured independently for a candidate cell (i.e. without a second triggering event *condEventA3, condEventA4* or *condEventA5* for the same candidate cell), e.g. in hard satellite switching cases where the coverage gap between previous satellite and the incoming satellite is assumed to be zero or negligible. The network does not configure both *condEventD1* and *condEventT1* for the same candidate cell. For CHO in terrestrial networks, the network does not indicate a *MeasId* associated with *condEventA4*. | yitao.mo@vivo.com |  |
| 10 | N | For the FD of duration, condEventT1 should be in italics.  | ***duration***This field is used for defining the leaving condition T1-2 for conditional HO event *condEventT1*. Each step represents 100ms. | yitao.mo@vivo.com |  |
| 11 | N | If the field is not present for a frequency and SIB33 is broadcast, the UE considers the cells on the frequency to be terrestrial cells. | SIB33 should be changed to *SystemInformationBlockType33* as 36.331 when referencing SIB writes out the full IE name | j.sedin@samsung.com |  |
| 12 | Y | satelliteAssistanceInfo-r18 in SystemInformationBlockType3-NB | Change to satelliteAssistanceInfoList to be consistent with the field in SIB3 | j.sedin@samsung.com |  |
| 13 | Y | satelliteAssistanceInfo-r18 in SystemInformationBlockType5-NB | Change to satelliteAssistanceInfoList to be consistent with the field in SIB5 | j.sedin@samsung.com |  |
| 14 | Y | ***ul-transmissionExtensionValue*** | The field name does not correspond to what the feature actually does. What this feature does is that extends the time in which the UE may stay in RRC connected after GNSS is invalid. During this time the UE may perform both uplink and downlink transmissions, not only uplink transmissions. Suggest to change the field name to something more suitable. | j.sedin@samsung.com |  |
| 15 | N | Field description of ul-TransmissionExtensionValue | There is no use in configuring ul-TransmissionExtensionValue if timeAlignmentTimer is set to non-infinity value. So it can be clarified that the field is not configured if timeAlignmentTimer is set to non-infinity value. | j.sedin@samsung.com |  |
| 16 | Y | InterRAT-BandInfoNR-r18 ::= SEQUENCE { interRAT-NeedForInterruptionNR-r18 ENUMERATED {no-gap-with-interruption, no-gap-no-interruption} OPTIONAL} | The linebreak after “interRAT-NeedForInterruptionNR-r18” should be removed | zhenglili4@huawei.com |  |
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