**3GPP TSG-RAN WG2 Meeting #109bis-e Draft R2-200xxxx**

**Elbonia, Online, 20 -30 April 2020**

**Agenda item: 6.0.1**

**Source: Ericsson**

**Title: ASN.1 Review: 38.331 Flagged RILs**

**Document for: Information**

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| **RIL Id** | **Flagging company** | **RIL Description (partly)** | **Flagging comment** | **ASN.1 Rapporteur comments** |
| Z401 | Huawei wireless | The RLC mode will either be RLC UM or RLC AM, there will be no chance that both of the two modes can be appeared, thus, sequence should be changed into choice | Better that this RIL is discussed along with those related RRC issues in V2X session | Ok, I will change status to ToDo, and await outcome of V2X session |
| S103 | Huawei wireless | The RLC mode will either be RLC UM or RLC AM, there will be no chance that both of the two modes can be appeared, thus, sequence should be changed into choice | Better that this RIL is discussed along with those related RRC issues in V2X session | Ok, I will change status to ToDo, and await outcome of V2X session |
| E086 | Huawei wireless | This was discussed in [Post109e#035] (Issue IAB\_4) and there is some consensus (Proposal 5) that commonSearchSpaceListIAB-r16 list to have up to 4 elements. Also, the –Need FFS should be N. | This is under discussion of IAB session of email discussion [021][IAB] RRC. The whole IE may be removed as the conclusion. We should postpone this RIL for now. | Ok, Issue is IAB Class 3, I will set the Status to Todo and await WI outcome. |
| S406 | Mediatek | This was discussed in [Post109e#035] (Issue IAB\_4) and there is some consensus (Proposal 5) that commonSearchSpaceListIAB-r16 list to have up to 4 elements. Also, the –Need FFS should be N. | This is already being discussed in the power saving WI. Should be class 3 | Ok, I will set issue to Class 3 and await WI outcome. |
| H197, I677 | Intel | There is a description in case of absence of the field. In case of absence, it should be released. | Our comment for I677 was about missing Need code for "optional" rather than "absence" and hence, not the same as H197. If the Need node for optional is agreed to be N as suggested, we don't require a Need code for absence as there is nothing stored to maintain or release. In summary, the suggested changes is:  1 )  The field is optional present, Need N, in case of SCell addition, reconfiguration with sync, and resuming an RRC connection. It is absent otherwise. | Ok, I will implement the text proposed by Intel, and keep PropAgree. |
| Huawei | Ok with Need N suggested by rapporteur but it is also required after "optional present". |
| Z304 | Intel | Based on RAN2#109e agreement, network must include mrdc-SecondaryCellGroup when restoreSCG is included. So a condition is needed. | No need code required for mandatory.  Suggested changes:  “this field is mandatory present~~, need M,~~ in case restoreSCG is ~~configured~~present. It is optional present, Need M, otherwise.” | Ok, I will implement the text proposed by Intel, and keep PropAgree. |
| Z304 | Intel | Based on RAN2#109e agreement, network must include mrdc-SecondaryCellGroup when restoreSCG is included. So a condition is needed. | No need code required for mandatory.  Suggested changes:  “this field is mandatory present~~, need M,~~ in case restoreSCG is ~~configured~~present. It is optional present, Need M, otherwise.” | Ok, for now I will put status back to ToDo, and I am open to get text proposals. |
| Huawei | The agreement is only for NR-DC but the condition also applies to NE-DC. Moreover, the agreement provides details on what needs to be included in the contained RRCReconfiguration. Since the field description already mentions what the RRCReconfiguration can contain, it is more appropriate to capture the agreement in the field description. |
| N032 | Huawei | Use maxNrofConfiguredGrantConfig-r16 instead. | This is changing the max number from 16 to 12, it should be discussed in the corresponding WI. | I will set status back to ToDo |
| I628 | Huawei | Looks like the field name is incorrect. Possibly meant to be int-ConfigurationPerServingCellAIList-r16 | The proposed suffix "List" is not used in the field description and is not consistent with the legacy field. | I agree, will change to PropReject |
| I660 | Huawei | SIB fields should use Need R. | There are already Need M fields in this IE, which is also provided by dedicated signaling. | I agree, ServingCellConfigCommon is not used in SIB (but *ServingCellConfigCommonSIB* is). I will change status to PropReject |
| S054 | Ericsson | For better readability, the parameters for NR-U can be grouped by defining a new IE. | We agree to the principle of encapsulating fields that belong together, to get better readability and use SetupRelease for simpler delta signalling.  Our understanding is, though, that some of the fields are supposed to be configured/used also in licenced spectrum. Hence, an encapsulation might need some further discussions. | Ok, I will change status back to ToDo. |
| S052 | Ericsson | Since the field rmtc-SubframeOffset-r16 starts with 0, it should always be present, and no reason to make it optional (which takes additional bit). | There is a defined behaviour in 5.5.2.10a for the case rmtc-SubframeOffset is not configured. So value “0” need to remain, and suggest SetupRelease and “OPTIONAL Need M” be used to be able to release the field. Also related to LTE RILs U506/S052 (should preferably use same solutions, e.g. field description text similar to “For inter-frequency measurements, this field is optional present and if it is not configured, the UE chooses a random value as rmtc-SubframeOffset for measDuration which shall be selected to be between 0 and the configured rmtc-Period with equal probability” (for LAA)) | Ok, I will set status back to ToDo and await NR-U WI session outcome. |
| Qualcomm | This also affects RRC procedural text as well as RAN1 spec since the UE selects a random occasion when configured. Note that this is same behavior as LAA. It has been added to the NR-U email discussion for open issues. |
| H225 | Qualcomm | Wrong name "n-cg-DFIDelay-r16" and The explanation is not accurate. need to consider for slot aggretation for both CG and DG. <text cut> | Name change was agreed by RAN2 email discussion to be compatible with ASN.1 convention. The rest was added to the NR-U email discussion for open issues | NRU Class 3 issue was not classified by the Rapporteur, expects issue will be sorted out at WI session. |
| H226 | Qualcomm | Related to search space and type-3 CSS | Already in NR-U email discussion for open issues. | NRU class 3 issue, fine to handle in WI activity. |
| S053 | Qualcomm | With ENUMATED with Need M, the field cannot be releaed once it is configured. | It is already in the NR-U email discussion for open issues. | Rapporteur proposal in RIL is incomplete.  I will set status to ToDo and await NR-U WI outcome. |
| V011 | Qualcomm | 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 | We should check this with RAN1. 38.213 is not clear. It was added to NR-U email discussion for open issues. | NRU class 3 issue, fine to handle in WI activity. |
| Z015 | Qualcomm | ChannelAccessMode, (ZTE: this field should have been UE specific. So, perhaps this should be added to servingCellConfig) | It was explicitly stated in RAN1 parameter list “Add in SIB1 and ServingCellConfigCommon”. This parameter should be per cell (per region or country in reality). | I tend to agree with Qualcomm comment, same field exist also in ServingCellConfigCommonSIB. I will set status to Propreject |
| Z017 | Qualcomm | CO-Duration should be a list. | Already resolved in CR1528 which was endorsed as baseline in RAN2#109bis-e. | CR1528 is the NRU WI CR under discussion at this meeting. |
| Z018 | Qualcomm | It is unlcear whether the groupId is a cell group ID or a search space group ID. We think it should be a cell group ID according to the following agreement: Agreement: The groups of serving cells to which the above behaviour is applicable can be configured via RRC) | It is actually search space group ID where the group is a list of cells | Rapporteur intends to handle issue in ASN.1 email discussion. I will add this info into this email discussion. |
| Z019 | Qualcomm | SearchSpaceSwitchTrigger-r16: (ZTE: We wonder if this should be a list of same size as searchSpaceSwitchingGroupList?) | It should be a list of maxofAggregatedCellsPerCellGroup. | I will add this info to the RIL and change status to PropAgree |
| Z020 | Qualcomm | channellAccessPriority (ZTE:For the field description, 38.321 is referenced, but CAPAC seems not mentioned within this spec. Also, the CAPAC signalled will be applicable for the case when UL grant indicates LBT type 1 in DCI 0\_0. This needs to be clarified.) | RAN1 agreement is for UE initiated COT with DCI 0\_0. For gNB initiated COT with DCI0\_0, CAPC = 4 in RAN1 specs. | Rapporteur intends to handle issue in ASN.1 email discussion. I will add this info into this email discussion. |
| I902 | Nokia | It is not clear what ‘2> if upper layers selected a PLMN or an SNPN (TS 24.501 [23]):’ adds, since the subsequent sentence ‘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;’. It can be removed. | There is an open issues and an Editor’s Note (“Editor's Note: It is FFS how to set the the selected PLMN-Identity when a PNI-NPN is selected.”) related to the proposed removed point. Until this issue is solved the sentence should not be removed. | Ok, I follow Nokia recommendation. Will set status to ToDo, awaiting outcome from NPN WI discussions. |
| I903 | Nokia | Update as follow: 2> 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 the PLMN(s) or SNPN(s) included in the npn-IdentityInfoList in SIB1; | I would like to propose a rewording of the proposed change, as at the moment there is only agreement for SNPNs:  2>           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 the ~~PLMN(s) or~~ SNPN(s) included in the npn-IdentityInfoList in SIB1; | I will move status of the RIL to ToDo, add Nokia comment, and await NPN WI outcome. |
| I901 | Nokia | "We propose to change the procedural text as follow: 5> include the npn-IdentityInfoList including npn-IdentityList, trackingAreaCode (if available), ranac (if available), cellIdentity and cellReservedForOperatorUse for each entry of the npn-IdentityInfoList;" | The change is OK, but a reference to R2-2003895 that contains the agreement that TAC is not optional should be added | I will await output from WI session on draft text. |
| Z107 | Nokia | The size of NID has been reduced to 44. See the latest CT4 CR (C4-200337). | The proposed change is OK, but a reference to R2-2003895 that contains the relevant agreement should be added. | Ok, proposed text is agreed and I will add R2-2003895 to the RIL |

Additional comment:  
Mediatek: N023 and N026 are specific to DCCA and not PowSave

Rapporteur comment: Ok, I will correct this.