3GPP TSG-RAN WG2 #118-e R2-22xxxxx

Electronical meeting, 9 May – 20 May 2022

Agenda Item: 6.20.1

Source: Ericsson

Title: RIL issue list for 71 GHz

**Document for: Information**

# 1 Introduction

This document aims at summarizing open RIL issues identified during ASN.1 review that need to be addressed for the 71 GHz Work Item by RAN2.

# 2  List of ASN.1 issues

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| **Issues** | **Relevant clauses/IEs in TS 38.331** | **Conclusion / rapporteur’s suggestions on how to address** |
| E048 - Introduce changes to 36.331 and 38.331 for *OverheatingAssistance in EN-DC scenarios*.  | Clause 5.7.4.3a | To be addressed in the RRC running CR |
| E049 - PDCCH slot group configuration for FR2-2 is missing in PDCCH-ConfigCommon | Clause 6.3.2 PDCCH-ConfigCommon | To be discussed during online session of RAN2#118 |
| E133 – use the same or different RRC parameters for searchSpaceSwitchTimer.searchSpaceSwitchTimer need to be introduced for both 71GHz and ePowerSaving. Two parameters have the similiar intentions, therefore, discussions are neeeded to study it is feasible to use the same RRC parameter in the current R17 spec which has been introduced by power saving WI, for both WIs. | Clause 6.3.2 PDCCH-Configand PDCCH-ServingCellConfig | To be discussed during online session of RAN2#118 |
| E134 - RAN1 has defined new values for SCS 480 and 960 kHz in 38.213, therefore value ranges of searchSpaceSwitchDelay need to be extended for SCS 480 and 960 kHz. | Clause 6.3.2SearchSpaceSwitchConfig | To be discussed during online session of RAN2#118 |
| E135 - value range of si-WindowLength in SI-SchedulingInfo needs to be extended for higher SCS e.g., 480 and 960 kHz. | Clause 6.3.2SI-SchedulingInfo/si-WindowLength  | To be discussed during online session of RAN2#118 |
| E136 - value range of drx-RetransmissionTimerUL/drx-RetransmissionTimerDL need to be extended for SCS 480 kHz and 960 kHz. | Clause 6.3.2*DRX-Config* | To be discussed during online session of RAN2#118 |
| I017 - The procedural text implies that UE has to include both sub-fields. IF so, these sub-fields can be made mandatory. Else the procedural text has to be updated. | Clause 6.2.2reducedMaxBW-FR2-2-r17 | To be addressed in the RRC running CR |
| I027 - Using presence condition SetupRelease is problematic. Further the condition should not be based on the presence of the other field, but on whether it is configured. | Clause 6.3.2MAC-CellGroupConfig/drx-ConfigExt-v1700 | To be addressed in the RRC running CR |
| I034 - This is done as a critical extension. An NCE with just r17monitoringcapability would have been sufficient as the original field is also optional | clause 6.3.2PDCCH-Config/ monitoringCapabilityConfig-r17  | To be addressed in the RRC running CR |
| Z450 - For overheating assistance, *reducedMaxBW-FR2-2* for (NG)EN-DC should also be considered similar to FR2-1. | Clause 5.7.4.3a | This issue is overlapping with E048.To be merged with E048 and addressed in the RRC running CR. |
| Z451 - For firstPDCCH-MonitoringOccasionOfPO, since SCS 480kHz and 960kHz is introduced, the corresponding value range should be extended.  | Clause 6.3.2PCCH-Config/firstPDCCH-MonitoringOccasionOfPO  | To be addressed during online session of RAN2#118 |
| Z452 - According to the current agreement, for multiple PUSCH, each PDSCH/PUSCH is confined within one slot, so a restriction should be added for *numberOfSlots-TBoMS-r17*. | Clause 6.3.2PUSCH-Allocation-r16/ *numberOfSlots-TBoMS-r17* | related to RIL issue E057.waiting for outcome of RAN2 ASN.1 Review webinar |
| Z453 - According to the current agreement, 4 bit length should also be defined besides 8 bit length. | Clause 6.3.2monitoringSlotsWithinSlotGroup-r17 | To be addressed in the RRC running CR |
| Z454 - Some parameters from LS R1-2202759 are not captured in the current CR, such as *cg-minDFI-Delay-v17*, *searchSpaceSwitchTimer-v17*, *duration-r17* and *codeBlockGroupTransmission*. | Clause 6.3.2 | To be addressed in the RRC running CR |
| Z455 - Monitoring periodicityPeriodicity values {32,64,128,5120,10240,20480} are added to the existing values in *monitoringSlotPeriodicityAndOffset* and the total list of supported periodicity values that can be configured for SCS 480kHz and 960kHz:{4,8,16,20,32,40,64,80,128,160,320,640,1280,2560,5120,10240,20480}. We need to capture the total periodicity list in the specification.According to the agreements made in RAN1#108-e meeting, for each periodicity value Xp, offset O values that can be configured:{0, 4, 8, …, $4\left⌊\frac{(X\_{p}-1)}{4}\right⌋$} slots  | Clause 6.3.2SearchSpaceExt-v1700/ monitoringSlotPeriodicityAndOffset-r17 | To be addressed in the RRC running CR |
|  Q300 - Extended k0 in PDSCH-TimeDomainResourceAllocationThe only difference between r16 and r17 seems to be the range of k0. Then it is unclear why -r17 needs to be introduced instead of simply adding NCE for k0-v1700 for the extendeEasier to simply add k0-v1700 field in -r16 IE, unless a clear need for new IE is seen.d range. This also has impact on merging with MBS.Related to Q301 and Q302 | Clause 6.3.2PDSCH-TimeDomainResourceAllocation-r17 | waiting for outcome of RAN2 ASN.1 Review webinar |

# 3 Other open issues (if there is any)

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| **Issue** | **Source** | **Rapporteur’s suggestions on how to address** |
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# References