**Comments collection for Rel-19 IoT NTN RRC running CR**

**1. Contacts**

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**2. Comments**

**Please provide your comments in the table following similar format as the example:**

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| **Company** | **Section/clause/IE** | **Comments/Suggested Change** | **Rapp Response** |
| MTK01 | 5.3.3.1x Conditions for initiating CB-Msg3 EDT in NTN | We should use CB-Msg3-EDT rather than CB-Msg3 EDT to align with the RAN2 agreement and 36.300/36.321 |  |
| MTK02 | 5.3.3.1x A BL UE, UE in CE Mode A or NB-IoT UE can initiate CB-Msg3 EDT transmission when all of the following conditions are fulfilled: | The T in EDT is for transmission, this additional transmission is not needed. Suggest to delete it. |  |
| MTK03 | 5.3.3.1xthe measured RSRP satisfies the conditions specified in TS 36.321 [6], clause X; | We think it is sufficient to check the minimum RSRP threshold of initialing CB-Msg3-EDT **in RRC**. There seems no need referring to 36.321. Suggest some like“the measured RSRP is larger than the minimum RSRP threshold configured in *cb-Msg3-MinRSRP-Threshold* (in *cb-Msg3-MinRSRP-Threshold-NB* for NB-IoT)” |  |
| MTK04 | 5.3.3.1x1> the size of the resulting MAC PDU including the total UL data is expected to be smaller than or equal to the TBS signalled in *[FFS parameter name]*, as specified in TS 36.321 [6], clause X; | Unlike the legacy EDT, UE does not move to the next CE level when the number of max re-attempt has been reached, there will be no TBS check after that point. The only TBS check occurs before the procedure is for initialization. We suggest that the TBS check is only captured in RRC spec, and the reference to MAC can be removed. |  |
| MTK05 | – CB-Msg3-ConfigSIBcb-Msg3-MaxAttemptNum-r19 ENUMERATED {n3, n4, n5, n6, n7, n8, n10}  | It better starts with n2. If this IE is absent, no re-attempt should be assumed. |  |
| MTK06 | CB-MSG3-MPDCCH-Config-r19 ::= SEQUENCE { mpdcch-Narrowband-r19 INTEGER (1..maxAvailNarrowBands-r13), mpdcch-PRB-PairsConfig-r19 SEQUENCE{ numberPRB-Pairs-r19 ENUMERATED {n2, n4, n6, spare1}, resourceBlockAssignment-r19 BIT STRING (SIZE(4))  }, | Indentation issue on numberPRB-Pairs-r19 and resourceBlockAssignment-r19. |  |
| MTK07 | maxCE-Level-NB-r19 INTEGER ::= 3 | It should be placed at 6.7.4 |  |
| MTK08 | CB-Msg3-ProbabilityAnchorList-NB-r19  | RAN2 agrees that **a** new probability parameter for anchor carrier is introduced in SIB22-NB. RAN2 can further discuss whether it should be a **single value** or **a list of value for each CE level**. |  |
| MTK09 | cb-Msg3-RSRP-CE-Level-NB-r19 CB-Msg3-RSRP-CE-Level-NB-r19 | It should be *cb-Msg3-RSRP-CE-Level-List-NB-r19*. |  |
| MTK10 |  npusch-SubCarrierSetIndex-r19 CHOICE { khz15 INTEGER (0..18), khz3dot75 INTEGER (0..47) }, | According to the RAN1 LS1, it should be **defined as a set**. * The following parameters can be supported:
	+ npusch-NumRUsIndex-r16
	+ npusch-NumRepetitionsIndex-r16
	+ npusch-SubCarrierSetIndex-r16 (but defining this as a set)
	+ npusch-MCS-r16
 |  |
| MTK11 | ack-NumRepetitions-NB-r19 ACK-NACK-NumRepetitions-NB-r13, | This IE could be optional. It is absent, the same value in SIB2 for NPRACH can be used.If this field is absent, the UE apply the value *ack-NACK-NumRepetitions-r13* configured in *SystemInformationBlockType2-NB*. |  |
| MTK12 | cb-Msg3-MaxAttemptNum-NB-r19 ENUMERATED {n3, n4, n5, n6, n7, n8, n10, spare1}, | Same comment to cb-Msg3-MaxAttemptNum-r19. And this IE should be optional. |  |
| MTK13 | **CB-Msg3-ConfigList-NB**CB-Msg3 EDT configuration for each CE level applicable to a UE performing CB-Msg3 EDT. The first entry in the list is the CB-Msg3 EDT configuration for CE level 0, the second entry in the list is the CB-Msg3 EDT configuration for CE level 1, and so on.  | It is a legacy UE behavior that numbers of CE levels in the anchor carrier and non-anchor carrier are the same. I think we can stick it.Here we can add:For the CB-Msg3-ConfigList-NB in *SystemInformationBlockType22-NB*, E-UTRAN includes the same number of entries, and listed in the same order, as in *CB-Msg3-ConfigList-NB* in *SystemInformationBlockType2-NB.* |  |
| MTK14 | ***cb-Msg3-ResponseWindow-NB***MPDCCH search space window duration. See TS 36.321 [6] and TS 36.213 [23]. Value pp1 corresponds to 1 PDCCH period, pp2 corresponds to 2 PDCCH periods and so on. The value considered by the UE is: *mac-ContentionResolutionTimer* = Min (signaled value x PDCCH period, 10.24s). | The MPDCCH should be NPDCCH. *mac-ContentionResolutionTimer* cleary is a mistake. |  |
| MTK15 | ***npdcch-CarrierIndex***Indicates the non-anchor carrier for receiving Msg4. If this field is absent, UE receives Msg4 on the anchor carrier. | We suggest a clearer text:Indicates the carrier in the list of DL non-anchor carriers for receiving CB-Msg4. If this field is absent, UE receives CB-Msg4 on the anchor carrier. |  |
| MTK16 | ***cb-Msg3-NumOfReplicas-NB***Indicates the number of replicas that UE should send for CB-Msg3 EDT. | Suggest to modify as: Indicates the number of replicas that UE should send within one attempt of CB-Msg3 EDT. |  |