Implemented in the CR

Same as the current MAC spec (no need to change)

No MAC impact (other spec may change)

Under discussion

Other CR will capture

6.7.2.2. Corrections

* RAN2 confirm that “up-to 32 CG configurations can be configured per Cell Group across all BWPs” is captured by the constant maxNrofConfiguredGrantConfigMAC-r16.
* “Support up to 32 SPS configurations per MAC entity” is not captured in 38.331.
* In conditional presence MoreThanTwoRLC, change to “Upon RRC reconfiguration when a PDCP entity is associated with more than two logical channels, this field is optionally present”.
* RAN2 confirm moving sps-PUCCH-AN-List from SPS-ConfigList to PUCCH-Config.
* Set the status of RIL issue H578 to “ConcReject”
* Change the wording “interest in reference time information” to “preference in being provisioned with reference time information”.

6.7.3 MAC Open Issue and Corrections

* Remove the current condition “for each uplink grant which is not already a de-prioritized uplink grant”
* RAN2 will not specify further on priority of SR triggered by MAC CE in Rel-16. The intention of current MAC text is that such SR has no priority and is handled as lowest priority.
* A NOTE for RAN2#109-e agreement on next CG selection for autonomous retransmission to be added. Current proposal is not agreeable, possibly a simplified version can be considered, TBD offline (if no agreement in the end we just skip the Note for now).
* (When MAC determines to generate a PDU) MAC entity shall not generate a PDU that cannot be transmitted due to collision with transmission (at least due to equal L1 priority).

Potential agreements (under final review)

**Proposal 1. UE continues to use the occasion of the suspended configured grant type 1 when the related UL BWP is activated.**

**Proposal 2. A de-prioritized SR shall be excluded in prioritization. TP proposed by Fujitsu/Huawei/vivo/OPPO/Nokia can be a baseline.**

**Proposal 3. For closest N determination, TP in R2-2003586 is adopted.**

**Proposal 4. RAN2 confirms “CG configurations with the same HARQ process on different BWPs are different and separate CG configurations.”**

**Proposal 5. A CG cancelled by Cancellation Indicator (CI) is considered as a de-prioritized uplink grant and the MAC entity autonomous transmit the MAC PDU in the subsequent CG**

**Proposal 6. SR overlapping with** **uplink grant received in RAR, or addressed to temporary C-RNTI, or with MSGA transmission cannot be transmitted.**

**Proposal 7. Prioritization between non-overlapping uplink grants is NOT supported in Rel-16.**

**Proposal 8. TP in R2-2005124 on priority of uplink grant with no data is adopted.**

**Proposal 9. MAC specification does not have a NOTE to determine the closest N.**

**Proposal 10. RAN2 confirms that HARQ process ID can be shared between different CGs on different BWPs.**

**Proposal 11. The autonomous transmission is allowed only for the same CG with the same HARQ process in the same BWP.**

**Proposal 12. For each uplink grant which can be transmitted by lower layers, the MAC entity evaluates whether it is a prioritized uplink grant. A baseline TP is: “When the MAC entity is configured, with lch-basedPrioritization, for each uplink grant whose transmission is not refrained due to resource collision, the MAC entity shall:”.**

**Proposal 13. A NOTE for RAN2#109-e agreement on next CG selection for autonomous retransmission will be added. The following TP is a baseline:**

* **“It is up to the UE implementation to determine the closest available next configured grant configured with *autonomousTx* for the transmission of the MAC PDU of the same HARQ process of the previously de-prioritized uplink grant.”**

6.7.3.2 Other

* N is non negative (rapporteur to include this in MAC CR discussion whether and how to capture)
* The extra CG periodicities of multiple of 2/7 symbols are not introduced in Rel-16

6.7.4.1 PDCP Duplication

* The presence of *pdcp-Duplication* indicates the PDCP duplication configuration (i.e. *pdcp-Duplication* is always used to indicate the PDCP duplication configuration for both DRBs and SRBs). The 38.331 and 38.323 specifications need to be changed accordingly.
* The UE just follows the received MAC CE, even if the RLCi field belongs to the other node. No specification change is required.
* PDCP duplication with more than two RLC entities is supported only by NR. It needs to be clarified in 37.340 and 38.331.
* Clarify DC+CA duplication in 38.300. 3+1 duplication scenario also needs to be considered. CA duplication may need clarification. Wording to be worked on.
* In the description of *duplicationState* in 38.331, remove “initial” and use “at the time of receiving this IE”.

6.7.4.2 Ethernet Header Compression

* Parameter *maxCID-EHC* is introduced in TS 38.331 to indicate the maximum number of EHC contexts the UE can establish in uplink for a DRB
* CID length cannot be reconfigured during the lifetime of the DRB. Field description of *ehc-CID-Length* is updated by adding a sentence “The value for this field cannot be changed after the initial configuration”
* We don’t capture an example of operation on the different Ethernet header structures as an informative text.
* Leave trigger in compressor for CID overwriting for implementation (right now the only mandatory trigger is when max CID has been reached).

6.7.6 UE capabilities

* Introduce a capability for the UE to indicate whether it supports simultaneous configuration of EHC and RoHC for the same DRB.
* If the UE indicates support for RoHC and EHC, but does not indicate support for a new capability as proposed in Proposal Ph1-1, EHC and RoHC may be simultaneously configured for different DRBs.