# Time sync

**None** (no critical issues specified in UP specifications)

# NR-U harmonization

**None** (There are some issues addressed by companies, but there is no urgent/critical issue for WI completion. Other remaining open issue will be discussed based on company contributions in RAN2#117-e.)

# QoS

**None** (There are some issues addressed by companies, but there is no urgent/critical issue for WI completion. Other remaining open issue will be discussed based on company contributions in RAN2#117-e.)

TBD: Survival Time State with N>1 (check companies views at the beginning of the phase-2 discussion after RAN2 inactive period)

# RAN1 features with potential UP Impacts

**1. DRX Impact of enhanced HARQ feedback (SPS HARQ ACK deferral, Enhanced type 3 codebook, one-shot HARQ ACK retransmission, PUCCH cell switching) [R2-2200321, R2-2201131/2, R2-2201373]**

- Whether to enhance DRX features to support the one-shot feedback, especially HARQ RTT Timer control. RAN2 should first focus whether Rel-17 RAN1 features require RAN2 spec change.

- If RAN2 agreed to support, RAN2 should decide whether a unified solution covering both R16 and R17 one-shot feedback or only R17 enhancement.

**2. Prioritization between SR and UL-SCH considering simultaneous PUCCH-PUSCH transmission [R2-2201368]**

- Whether or how to support simultaneous PUCCH-PUSCH transmission in MAC spec which assumed it is not allowed.

**3. Prioritization of COT-initiated UL grant in LCH-based Prioritization [R2-2201226]**

- Whether to specify behavior considering UE-initiated COT. Rel-16/17 LCH-based Prioritization does not consider COT. (Note that the WID states that “a. Specify support for UE-initiated COT for FBE with minimum specification effort” RAN2 should first check whether RAN2 enhancement is the case.)

# UP CR specific issues

**1. Modeling of Survival Time State**

- In the current running CR, the survival time operation is modeled as two-step: 1) HARQ NACK -> entry to Survival Time State, 2) Survival Time State -> PDCP Duplication with all configured RLC entities. Whether this two-step approach is preferred by companies should be discussed. (Note that this issue is merely about MAC CR, whereas configuration *survivalTimeStateSupport* is already captured in both RRC and MAC CRs.)