3GPP TSG RAN WG2 Meeting 129Bis R2-25xxxxx

Wuhan, China, 7 - 11 April, 2025

**Title:** Draft LS on LP-WUS in RRC\_CONNECTED

**Response to:** -

**Release:** Rel-19

**Work Item:** NR\_LPWUS-Core

**Source:** InterDigital (to be RAN WG2)

**To:** RAN WG1

**Cc:** -

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**Send any reply LS to: 3GPP Liaisons Coordinator,** **mailto:3GPPLiaison@etsi.org**

**Attachments:** -

# 1 Overall description

## 1.1 Short DRX

RAN2 discussed the Short DRX cycle applicability with LP-WUS in RRC\_CONNECTED mode and made the following agreement and a working assumption:

**For Option 1-1, the UE does not monitor LP-WUS when Short DRX cycle is used.**

**Working assumption: For option 1-2, it is up to network configuring short DRX cycle with LP-WUS. The UE monitors LP-WUS outside the Active Time regardless of if Short DRX cycle or Long DRX cycle is used.**

## 1.2 LP-WUS monitoring

RAN2 discussed whether there are any scenarios on when the UE would not be able to monitor LP-WUS and made the following working assumption:

**Working assumption for the case of potential collision (if any): In Option 1-1, when the UE is not able to monitor the LP-WUS occasion(s) the UE should start the drx-OnDurationTimer (as if LP-WUS was detected). FFS for Option 1-2.**

Based on this WA, RAN2 would like to ask RAN1:

1. Whether there are any cases/scenarios on when the UE is not able to monitor LP-WUS?

2. Is there any case when the UE is not able to monitor LR and MR simultaneously?

## 1.3 UE time offset preference

RAN2 also discussed and agreed the following:

**If configured, the UE can signal a preferred time offset via UAI signalling.**

RAN2 would like to know whether there were any further conclusions in RAN1 on what information the preferred time offset via UAI should provide?

# 2 Actions

**To RAN WG1**

**ACTION:** RAN2 respectfully asks RAN1 to take the above agreements and working assumptions into account and provide responses to the questions asked.

# 3 Dates of next TSG RAN WG2 meetings

RAN2#130 2025-05-19 – 2025-05-23 Malta, Malta

RAN2#131 2025-08-25 – 2025-08-29 Bengaluru, India