**3GPP TSG-RAN WG1 Meeting #108-e R1-22XXXX**

**E-Meeting, February 21st – March 3rd, 2022**

**Title:** [Draft] LS reply on PDCCH skipping

**Response to:** R1-2200884 (R2-2201960)

**Release:** Rel-17

**Work Item:** NR\_UE\_pow\_sav\_enh-Core

**Source:** RAN1

**To:** RAN2

**Contact Person:**

**Name:** Xiaodong SHEN, Weide WU

**E-mail Address:** [shenxiaodong@vivo.com](mailto:shenxiaodong@vivo.com), [Weide.Wu@mediatek.com](mailto:Weide.Wu@mediatek.com)

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

**Attachments:** No

**1. Overall Description:**

RAN1 would like to thank RAN2 for the LS on PDCCH skipping. The following answers have been agreed according to RAN1 discussion.

|  |
| --- |
| **Question 1:** RAN2 would like to know whether PDCCH skipping is applied to RNTI(s) monitored during RAR/MsgB window for RAR/MsgB reception. |

**Answer 1:** Yes, PDCCH skipping can be applied to C-RNTI(s) and MCS-C-RNTI(s) in at least Type3 PDCCH CSS and USS monitored during RAR/MsgB window for RAR/MsgB reception based on RAN1 agreements till RAN1#107bis-e.

|  |
| --- |
| **Question 2:** RAN2 would like to know if RAN1 prefers to capture the above agreements in RAN1 specification or prefer these to be captured in MAC specification. |

**Answer 2:**

RAN1 would discuss and conclude how to capture the above RAN2 agreements in RAN1 specification.

* It is RAN1 understanding PDCCH skipping is not applied to perform PDCCH monitoring during RAR window/MsgB window/contention resolution timer or when SR is pending.

|  |
| --- |
| **Question 3:** RAN2 would like to ask RAN1 whether a) Physical layer of UE reports a value of 1 for Wake-up indication bit to higher layer or b) Physical layer of UE does not report Wake-up indication bit to higher layer, in case UE cannot monitor DCP due to PDCCH skipping; or if Approach 3 can be assumed. |

**Answer 3:**

* It is RAN1 understanding that for DRX operation,
  + As DCP is monitored only outside active time, it cannot be missed due to PDCCH skipping as skipping applies only in active time.

Note: RAN1 is discussing whether PDCCH skipping duration can apply to outside active time.

|  |
| --- |
| **Question 4:** RAN2 would like to know whether UE should continue transmitting CSI/SRS during the PDCCH skipping duration or not? |

**Answer 4:** It is RAN1’s understanding that transmission of CSI/SRS is not affected by PDCCH skipping i.e. CSI/SRS is still transmitted during the skipping duration.

**2. Actions:**

RAN1 respectfully asks RAN2 to take above information into account in their work.

**3. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #109-e 9– 20 May 2022 E-Meeting

TSG-RAN WG1 Meeting #110 22 – 26 Aug 2022 Toulouse, FR