**3GPP TSG RAN WG1 #115 R1-231xxxx**

**Chicago, USA, November 13th – November 17th, 2023**

**Agenda item:** 6

**Source:** Moderator (Qualcomm Incorporated)

**Title:** Discussion on R1-2312308

**Document for:** Discussion and Decision

# Issue #1: Applicability of UE-specific K-offset during random access in connected mode

The following change is proposed in several sections of TS 36.213 to address the issue of applicability of UE-specific kOffset during random access in connected mode:

**<Unchanged parts are omitted>**

- if the UE is configured with the higher layer parameter *k-Offset,*

- where

 is the parameter *k-Offset* provided by higher layers, and

 is the parameter *Differential Koffset* provided by higher layers , otherwise

- otherwise,

- .

If the UE is configured with higher layer parameter *k-Offset*, for a PUSCH (re)transmission associated with the TC-RNTI, *k-Offset*.

During the online discussion, companies had some comments on the following points:

* Whether we should use “temporary C-RNTI” or “scheduled by RAR”.
* Whether the change was needed at all (which hopefully was resolved during the session).

Companies are encouraged to provide feedback on the draft CR above.

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| --- | --- |
| Company | Comment |
| Ericsson | We are ok with the current wording of the draft CR above. |
| ZTE | Fine with the proposed CR. |
| Qualcomm | Based on some offline discussion, we would like to provide the spec information that indeed the (N)PUSCH associated with MSG3 RAR during CBRA is using TC-RNTI (36.213, NB-IoT)Note that the TC-RNTI is only set by higher layers if the UE initiates CBRA (36.321): |
| Skylo | We are OK with the proposed CR.The proposed CR eliminates ambiguity and simplifies implementation complexity for the base station by removing the need to attempt decoding across all possible UE specific K-offset values. |