**3GPP TSG-RAN WG2 Meeting #123bis DRAFT R2-230xxxx**

**Xiamen, China, 09 – 13 October 2023**

**Title: [DRAFT]** Reply LS to Reply LS on MAC-CE Based Indication for Cross-RRH TCI State

**Response to:** R4-2314299

**Release:** Release 18

**Work Item:** NR\_HST\_FR2\_enh

**Source:** Nokia [TSG RAN WG2]

**To:** TSG XX WG4

**Cc:**

**Contact Person:**

#### Name: Jarkko Koskela

E-mail Address: jarkko.t.koskela@nokia.com

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

**Attachments:** -

**1. Overall Description:**

RAN2 would like to thank RAN4 on the LS on Reply LS on MAC-CE Based Indication for Cross-RRH TCI State Switch. We discussed the topic and agree following:

**FFS Introduce new MAC CE that has the same payload as “TCI State Indication for UE-specific PDCCH MAC CE” with eLCID. Pending RAN4 clarifications**

In the RAN2 discussion there was no clear understanding regarding answer 3 in the LS why we need a new MAC CE indicating separately “1” and “0” as it looked like case “1” seemed to be similar to behavior of UE in case of receiving legacy MAC CE (i.e. MAC CE intended for indicating target TCI state for PDCCH in 6.1.3.15) with possible difference being that UE does not check downlink timing difference to apply large one shot UL timing adjustment.

But it seemed cause confusion in RAN2 why NW would send new MAC CE in scenario where the check would cause UE to not apply large one shot UL adjustment as it seems expected that NW knows that in this scenario timing difference is large and legacy MAC CE could be sent with same end result.

If this is the case then it would simplify RAN2 work as we could just introduce new MAC CE with existing contents of legacy MAC CE with just new (e)LCID (i.e.to correspond to MAC CE with “0” as described in the LS R4-2314299) and avoid designing new MAC CE with possibly extra overhead.

**2. Actions:**

**To RAN4 group.**

**ACTION:** RAN2 respectfully asks RAN4 to clarify if it would be possible to design new MAC CE to only correspond to case “0” as presented in R4-2314299

**3. Date of Next TSG-RAN WG2 Meeting:**

RAN2#124 from 2023-11-13 to 2023-11-17 Chicago, US

RAN2#125 from 2024-02-26 to 2024-3-1 Athens, GR