**3GPP TSG-RAN WG2 Meeting #112-e Electronic DRAFT R2-1020809**

**Elbonia, 02 – 13 November 2020**

**Title: [DRAFT]** LS on half-duplex operation

**Response to:**

**Release:** Release 16

**Work Item:** TEI16

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

**To:** TSG RAN WG1

**Cc:** -

**Contact Person:**

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**Attachments:** -

**1. Overall Description:**

RAN2 noticed that while the capability *half-DuplexTDD-CA-SameSCS-r16* (corresponding to RAN1 feature group 14-5) was introduced in RAN2#111-e, the corresponding configuration parameter (which was included in the RAN1 feature list in R1-2003190) has mistakenly not been introduced in the September 2020 version of the RRC specification (V16.2.0).

RAN2 would like to inform RAN1 that the configuration parameter *directionalCollisionHandling-r16* has now been introduced as part of *ServingCellConfig*, i.e. as a per-serving cell parameter. RAN2 also thought that the parameter should only apply within the same frequency range and cell group: That is, only the cells configured with *directionalCollisionHandling-r16* within the same cell group and frequency range are considered for determining the corresponding R16 half-duplex behavior for each case.

RAN2 would like to ask whether there should be additional network restrictions: currently the RAN2 field description assumes this would only apply to TDD CA for cells with the same SCS, but it was not clear if it would always apply to all TDD CA cells with the same SCS or whether it's up to network it is configured only for some cells?

**2. Actions:**

**To RAN WG1 group.**

**ACTION:** RAN2 respectfully asks RAN1 to take the configuration parameter details into account in their specifications. RAN2 would also like to ask if the half-duplex operation should always apply to all TDD cells in the same cell group, or whether network can choose for which cells it applies within a cell group?

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

3GPP RAN2#113-e 25 January – 5 February 2020 Electronic Meeting

3GPP RAN2#113-bis-e 12 April – 20 April 2021 Electronic Meeting