**3GPP TSG-RAN WG2 Meeting #113bis Electronic R2-210xxxx**

**Elbonia, 12 – 20 of April 2021**

**Title: [DRAFT]** LS on Conditional Handover with SCG configuration scenarios

**Response to:** -

**Release:** Release 16

**Work Item:** NR\_Mob\_enh-Core

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

**To:** TSG RAN WG3

**Cc:** -

**Contact Person:**

#### Name: Jedrzej Stanczak

E-mail Address: jedrzej.stanczak@nokia.com

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

**Attachments:** -

**1. Overall Description:**

At RAN2#109-bis the following agreement on Conditional Handover (CHO) with SCG configuration was made:

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| --- |
| 2 We will not preclude SCG configuration in RRC Reconfiguration with conditional reconfiguration. Limit to cases without RAN3 impact. |

As per the aforementioned agreement, the SCG configuration is applied only when the conditional reconfiguration for a PCell is met and CHO is executed. This agreement neither was captured in the specification, nor consulted with RAN3 so far. RAN2 has identified the following potential scenarios for conditional reconfiguration with SCG configuration:

1. CHO with same SN: CHO from source PCell 1 with SCG in SN 1 to target PCell 2 with SCG in the same SN 1.
2. CHO with different SNs: CHO from source PCell 1 with SCG in SN 1 to target PCell 2 with SCG in SN 2.
3. CHO from single-connectivity to an (MR-)DC connection: CHO from source PCell 1 to target PCell 2 with SCG in SN.
4. Scenarios 1, 2, 3, listed above, with target MCG and SCG in the same network node. This corresponds to the case where the UE is connected to two gNB-DUs in NR-DC, one serving the target MCG and the other serving the target SCG, connected to the same gNB-CU acting both as MN and SN.

RAN2 would like to ask the following questions:

**Question 1**: Is there any RAN3 specification impact if in any of the scenarios listed above the conditional reconfiguration (CHO) with SCG configuration is supported?

**Question 2:** Are there any other mobility scenarios, not included above, where conditional reconfiguration with SCG configuration would be possible?

**2. Actions:**

**To RAN WG3 group.**

**ACTION:** RAN2 respectfully asks RAN3 to answer the two questions formulated within this LS.

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

3GPP RAN2#114-e from 2021-05-19 to 2021-05-27 Electronic Meeting