**3GPP TSG RAN WG1 Meeting #100bis-E R1-2002809**

**e-Meeting, April 20 – 30, 2020**

**Title: [Draft] LS on Simultaneous reception of DL signals in intra-frequency DAPS HO**

**Response to:**

**Release:** Rel-16

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

**Source:** Intel Corp. [RAN1]

**To:** RAN4

**Cc:** RAN2

**Contact Person:**

#### Name: Daewon Lee

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**Attachments:**

**1. Overall Description:**

RAN1 has discussed implication of UE receiver implementation from support of simultaneous reception of DL signals/channels that are overlapping in time only (and does not overlap in frequency) and in time and frequency for intra-frequency DAPS HO.

Due to the concerns of mandating advanced receivers in specific scenarios (e.g. when DL signals/channels overlap in time and frequency) for intra-frequency DAPS HO, RAN1 has agreed to the following:

**Agreement:**

* RAN1 assumes the UE is not required to use interference cancellation basedreceiver to receive a PDCCH and/or a PDSCH from both a source and a target cell in resources that overlap in time and frequency. Whether and how to define requirement would be up to RAN4.

Please note that RAN1 assumes that it is up to gNB to correctly configure MCS and resources to combat for interference in receiving signals during DAPS HO.

RAN1 would like to kindly ask RAN4 to consider the above in their further work and if needed, let RAN1 know if there are any issues with the agreement.

**2. Actions:**

**To RAN2:** RAN1 would like to kindly ask RAN4 to consider the above in their further work and if needed, let RAN1 know if there are any issues with the agreement.

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

TSG-RAN WG1 Meeting #101-e 25 May – 05 June 2020 e-meeting

TSG-RAN WG1 Meeting #102 24 – 28 Aug 2020 Toulouse, France