**3GPP TSG RAN WG1 Meeting #103-e R1-200xxxx**

**e-Meeting, October 26 – November 13, 2020**

**Source: Moderator (Intel Corporation)**

**Title: [103-e-NR-Mob-Enh-02] Discussions Summary #1**

**Agenda item: 7.2.9**

**Document for: Discussion**

# Introduction

In this contribution, we summarize the email reflector discussions for [103-e-NR-Mob-Enh-01]. Chairman has approved the following email discussion:

* [103-e-NR-Mob-Enh-02] Email discussion/approval on the following until 10/29 – Daewon (Intel)
  + Issue#5 in R1-2008871, issue on handling of SUL and DAPS operation

# Recap of issue from R1-2008871

## Issue #5) Handling of SUL and DAPS capability [6]

[6] notes that Based on existing SUL capabilities, it cannot be unambiguously determined whether UE can or cannot support SUL during DAPS HO. Suggest to send an LS to RAN2 to let them know so that they can take this into account.

* Proposal from [6]:
  + RAN1 sends a LS to RAN2 informing that from RAN1 perspective simultaneous operation of SUL and DAPS is not supported in Rel-16.

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| **1. Overall Description:**  RAN1discussed the simultaneous operation of SUL and DAPS and concluded that, in order to limit the UE complexity, RAN1 perspective simultaneous operation of SUL and DAPS is not supported in Rel-16.  **2. Actions:**  **To RAN2:**  **ACTION:** RAN1 respectfully asks RAN2 to take the above information in to account. |

# Summary of Email Discussions

The proposal from [6] suggest sending a LS to RAN2 to inform that simultaneous operation of SUL and DAPS is not supported in Rel-16. This discussion can be split into two separate questions.

**Q1)** Do you agree that simultaneous operation of SUL and DAPS is not supported in Rel-16 from RAN1 perspective?

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| --- | --- | --- |
| **Company** | **Agree? (Yes/No)** | **Comments for Q1** |
| Qualcomm | Yes with comments | We prefer not to support SUL and DAPS simultaneously (i.e., switching from normal UL to SUL or vice versa together with DAPS HO is not supported). Furthermore, we should further discuss whether UE is configured with switching between SUL and normal UL before DAPS handover if UE indicates support of DAPS. With SUL, we may need to add some clarification to the following spec since it is not clear whether UL BWP is BWP for normal UL or BWP for SUL:  “*For intra-frequency DAPS HO operation, the UE expects that an active DL BWP and an active UL BWP on the target cell are within an active DL BWP and an active UL BWP on the source cell, respectively.*” |

**Q2)** If Q1 is agreeable, should we send an LS to RAN2?

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| **Company** | **Send LS (Yes/No)** | **Comments for Q2** |
| Qualcomm |  | We can further discuss whether LS to RAN2 is needed after resolving discussions in Q1) |

# Summary of Conclusions

To be filled once agreements/conclusions are made in RAN1.

# Reference

1. R1-2007593, “Remaining issues on DAPS,” Huawei, HiSilicon
2. R1-2007738, “Draft CR on intra-frequency DAPS handover,” ZTE
3. R1-2008144, “Draft CR on clarification of processing capability on DAPS HO dropping timeline,” Samsung
4. R1-2008209, “Correction to DAPS HO,” Ericsson
5. R1-2008502, “Remaining issues on per CC UE capability and UL cancellation for DAPS-HO,” MediaTek Inc.
6. R1-2008733, “Remaining physical layer aspects of dual active protocol stack based HO,” Nokia, Nokia Shanghai Bell
7. R1-2008871, “Pre-meeting Issue Summary for NR Mobility Enhancements,” Moderator (Intel Corporation)