**3GPP TSG-RAN WG1 Meeting #105-eR1-210xxxx**

**e-Meeting, May 10th – 27th, 2021**

**Agenda item:** **7.1**

**Source: Moderator (Apple Inc.)**

**Title: Summary of email discussion [105-e-NR-7.1CRs-09] on the correction for UL cancellation due to DCI format 2\_0**

**Document for: Discussion and Decision**

# 1 Introduction

This contribution provides the summary for the following email discussion in RAN1#105-e:

**Issue#23**

[R1-2105077](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105077.zip) Correction on UL cancellation due to DCI format 2\_0 Apple

[R1-2105078](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105078.zip) Correction on UL cancellation due to DCI format 2\_0 Apple

[105-e-NR-7.1CRs-09] Issue#23: Correction on UL cancellation due to DCI format 2\_0 – Sigen (Apple) by May 25

Section 2 provides the background information for the issues raised in R1-2105077 and R1-2105078. Section 3 captures the detailed email discussions. Section 4 summarizes the outcome of the email discussion.

# 2 Background

In RAN1 #103e, the following agreement was made:

**Agreements:**

* **Clarify that partial cancelation of PUCCH/PUSCH/PRACH triggered by dynamic SFI or dynamically assigned PDSCH/CSI-RS is not supported in Rel-15**
	+ **Prepare CR for above clarification in next meeting**
* **Introduce a new Rel-16 FG for partial cancelation of PUCCH/PUSCH/PRACH as below**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **FG 22-x** | **Cancellation of PUCCH, PUSCH or PRACH with a DCI scheduling a PDSCH or CSI-RS or a DCI format 2\_0 for SFI** | **A UE supports the partial cancellation of the SRS or PUCCH or PUSCH or PRACH configured transmission:** * **The UE cancels the configured PUCCH or PUSCH or PRACH in a set of symbols of a slot due to detection of a DCI format 2\_0 with a slot format value other than 255that indicates a slot format with a subset of symbols from the set of symbols as downlink or flexible**
* **The UE cancels the configured PUCCH or PUSCH or PRACH in a set of symbols of a slot due to the detection of a DCI format 1\_0, DCI format 1\_1, DCI format 1\_2 or DCI format 0\_1 and DCI format 0\_2 indicating to the UE to receive CSI-RS or PDSCH in a subset of symbols from the set of symbols.**
 |  | **Yes** | **N/A** |  | **Per FS** | **n/a** | **n/a** | **n/a** |  | **Optional with capability signalling** |

The corresponding CRs were agreed in RAN1#104-e in [R1-2101990](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2101990.zip) (Rel. 15) and [R1-2101991](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_104-e/Docs/R1-2101991.zip) (Rel.16).

However, the case when DCI format 2\_0 is not detected by the UE was not changed accordingly in the agreed CRs. Draft CRs were proposed in:

* [R1-2105077](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105077.zip) (Rel-15) to clearly capture that only full cancellation is supported for configured PUCCH/PUSCH/PRACH if DCI format 2\_0 is not detected by the UE.
* [R1-2105078](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105078.zip) (Rel-16) to clearly capture that the behavior of partial or full cancellation for configured PUCCH/PUSCH/PRACH depending on UE capability if DCI format 2\_0 is not detected by the UE.

# 3 Email Discussions

## 3.1 First Round of Email Discussion

Companies are invited to provided comments on the draft CRs in [R1-2105077](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105077.zip) (Rel-15) and [R1-2105078](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105078.zip) (Rel-16).

**For the draft CR in [R1-2105077](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105077.zip) (Rel-15), please indicate if you support it in principle.**

|  |  |
| --- | --- |
| **Yes** |  |
| **No** |  |

**Companies please provide detailed comments on the draft CR in** [**R1-2105077**](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105077.zip) **(Rel-15), if any.**

|  |  |
| --- | --- |
| **Company** | **Comments** |
|  |  |

**For the draft CR in** [**R1-2105078**](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105078.zip) **(Rel-16), please indicate if you support it in principle.**

|  |  |
| --- | --- |
| **Yes** |  |
| **No** |  |

**Companies please provide detailed comments on the draft CR in** [**R1-2105078**](https://www.3gpp.org/ftp/tsg_ran/WG1_RL1/TSGR1_105-e/Docs/R1-2105078.zip) **(Rel-16), if any.**

|  |  |
| --- | --- |
| **Company** | **Comments** |
|  |  |

# 4 Outcome of the Email Discussion

# References