**3GPP TSG RAN WG1 #105-e R1-210xxxx**

**e-Meeting, May 19th – 27th, 2021**

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**Source:** Moderator (LG Electronics)

**Title:** Feature lead summary for physical layer procedure aspects in AI 7.2.4

**Document for:** Discussion and decision

# **Issues for email discussions**

FL proposes to allocate an email thread for Issue PP-1. As this is for TP capturing the agreements made in the last meeting, this thread is not expected to use those allocated to AI 7.2.4. FL also proposes to discuss PP-3 in the thread for Issue PP-1.

# **Physical layer procedure**

Issue PP-1: TP for multiplexing SL HARQ-ACK reports on a PUSCH

* [Huawei,1] [CATT,2] [vivo,9] [Ericsson,13] [LG,8] [Apple,7] [DCM,11]

Issue PP-2: Prioritization rule between PUSCH carrying SL HARQ-ACK reports and SL TX and/or RX

* [Fujitsu,7] [Apple,7]

Issue PP-3: Editorial corrections

* Value of sl-PSFCH-RB-Set
	+ [Huawei,1]
* Applicable condition of using sl-P0-PSSCH-PSCCH
	+ [Qualcomm,3]
* Replacement of “a serving cell” with “a carrier”
	+ [DCM,11]
* Reference correction
	+ [DCM,11]

Issue PP-4: Correction to PSFCH reception procedure for NACK-only case

* [Intel, 5]

# **References**

1. R1-2104235 Remaining issues for sidelink physical layer procedure Huawei, HiSilicon
2. R1-2104478 Correction on SL HARQ-ACK report piggybacked on PUSCH CATT, GOHIGH
3. R1-2104649 Remaining Issues in physical layer procedure Qualcomm Incorporated
4. R1-2104752 Remaining open issues and corrections for physical layer procedure OPPO
5. R1-2104890 Correction to PSFCH reception procedure for NACK-only case to mitigate half-duplex issue Intel Corporation
6. R1-2105057 Maintenance for physical layer procedures for NR sidelink Fujitsu
7. R1-2105082 Maintenance of Sidelink Physical Layer Procedure Apple
8. R1-2105201 Discussion on essential corrections in physical layer procedure LG Electronics
9. R1-2105464 Maintenance on NR sidelink synchronization and procedure vivo
10. R1-2105613 Miscellaneous corrections of TS38.212\_214 ZTE, Sanechips
11. R1-2105681 Maintenance for sidelink physical layer procedure NTT DOCOMO, INC.
12. R1-2105740 Remaining issues on resource allocation mode-1 and sidelink procedure ASUSTeK
13. R1-2105895 Corrections to SL procedures Ericsson