**3GPP TSG RAN WG1 #118bis R1-240xxxx**

**Hefei, China, October 14th – 18th, 2024**

**Source: Moderator (CATT)**

**Title:** **Summary of PUCCH cancellation due to A-SRS**

**Agenda Item:** **7**

**Document for:** **Decision**

# Introduction

In RAN1#118bis, the following contributions are submitted on PUCCH transmission cancellation due to aperiodic SRS. This contribution collects companies’ views on the Tdocs.

**Rel-15 New RAT, TEI**

R1-2408010 Discussion on PUCCH transmission cancellation due to aperiodic SRS CATT

R1-2408011 Draft CR on PUCCH transmission cancellation due to aperiodic SRS CATT

# Discussion

In Rel-15 TS38.214 Clause 6.2.1, it is specified that PUCCH carrying semi-persistent/periodic CSI report(s) or semi-persistent/periodic L1-RSRP report(s) only is cancelled by overlapping aperiodic SRS without timeline requirement.

|  |
| --- |
| PUCCH shall not be transmitted when aperiodic SRS is triggered to be transmitted to overlap in the same symbol with PUCCH carrying semi-persistent/periodic CSI report(s) or semi-persistent/periodic L1-RSRP report(s) only. |

CATT observed that if the time interval between the start of the PUCCH transmission and the end of the PDCCH carrying DCI triggering the aperiodic SRS is not sufficient, i.e., the time interval is less than required time for PUCCH cancellation, UE is not capable to cancel the PUCCH transmission as shown in Fig. 1, assuming the time needed for PUCCH cancellation is T.



## Q1: Do you agree that a cancellation timeline needs to be defined for PUCCH cancellation due to aperiodic SRS?

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree or Not Agree** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Furthermore, CATT proposed to reuse the existing cancellation timeline of configured PUCCH/PUSCH/PRACH due to overlapping of dynamic DL receptions and/or dynamic SFI in TS 38.213 clause 11.1 for cancellation timeline for PUCCH cancellation due to aperiodic SRS.

## Q2: Do you agree to reuse the existing cancellation timeline of configured PUCCH/PUSCH/PRACH due to overlapping of dynamic DL receptions and/or dynamic SFI in TS 38.213 clause 11.1 for cancellation timeline for PUCCH cancellation due to aperiodic SRS?

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree or Not Agree** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

## Q3: Do you agree with the draft CR in R1-2408011?

|  |  |  |
| --- | --- | --- |
| **Company** | **Agree or Not Agree** | **Comments** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |