**3GPP TSG-RAN WG2 Meeting #125 R2-2xxxxxx**

**Athens, Greece, Feb. 26th – Mar. 1st, 2024**

**Agenda Item: 7.4.1.3.2**

**Source: OPPO**

**Title: Discussion on RIL O200**

**Document for: Discussion and Decision**

# Introduction

In this contribution, we would like to discuss the SCPAC configuration handling upon CHO Recovery (RIL O200).

# Discussion

##  SCPAC configuration handling upon CHO Recovery

In legacy spec, upon conditional reconfiguration for CHO recovery has been performed, UE shall remove all the entries within MCG and SCG *VarConditionalReconfig*. If SCPAC is configured, the corresponding configuration will be removed accordingly based on the current text, which is not aligned with the agreements made in previous meeting.

We have agreed to keep the subsequent CPAC configuration after pcell change and rely on NW explicit signalling to release the configuration. For conditional Pcell change, NW does not know whether it is for the first CHO attempt or for CHO recovery. If UE performs CHO recovery after the failure of first CHO attempt, and UE release the SCPAC configuration, different UE handling on SCPAC configuration may be caused.

To allow NW to explicit maintain/release the SCPAC configuration, UE shall keep same handling for SCPAC configurations regardless first CHO attempt or CHO recovery. Otherwise, NW may explicit release the SCPAC config that is already autonomous released by UE after CHO recovery, which may cause error.

1. Upon CHO recovery，UE keep SCPAC configuration and rely on NW to explicitly release/maintain.
2. Adopt the TP 2 in Section 4.1.

# Conclusion

Based on the discussion above, we have the following proposals:

[Proposal 1 Upon CHO recovery，UE keep SCPAC configuration and rely on NW to explicitly release/maintain.](#_Toc158281725)

[Proposal 2 Adopt the TP 2 in Section 4.1.](#_Toc158281726)

# Text Proposals

## TP 1

#### 5.3.5.3 Reception of an *RRCReconfiguration* by the UE

The UE shall perform the following actions upon reception of the *RRCReconfiguration,* upon execution of the conditional reconfiguration (CHO, CPA or CPC), or upon execution of an LTM cell switch:

1> if the *RRCReconfiguration* is applied due to a conditional reconfiguration execution upon cell selection performed while timer T311 was running, as defined in 5.3.7.3:

2> remove all the entries in the *condReconfigList* within the MCG and the SCG *VarConditionalReconfig* except for the entries in which *subsequentCondReconfig* is present, if any;