**3GPP TSG-RAN WG4 Meeting #116 R4-2511175  
Bangalore, India, 25th – 29th Aug 2025**

**Title: WF on SUL NUL none zero switching period**

**Source: OPPO, Xiaomi, MediaTek, [ ]**

**Agenda item: 4.2.1**

**Document for: Approval**

# Introduction

Below captures the WF for SUL NUL none zero switching period topic.

# Adhoc agreement:

FFS whether RAN4 can introduce non-zero switching time for SUL +NUL earlier release than Rel-19

* This issue shall be handled either in TEI or Rel-20 RAN4 package

FFS how to enable this feature if it’s agreeable

# WF:

* Companies can study whether RAN4 can introduce non-zero switching time for SUL 1T +NUL 1T and NR 1T + NR 1T CA earlier release than Rel-19 in next meeting as optional feature.
* Regarding how to enable this feature early than Rel-19 if agreed, companies can study following approaches
  + Approach 1: Extend current R18-IE OR Rel-16 IE to support SUL 1T +NUL 1T and NR 1T + NR 1T CA none zero Tx switching
  + Approach 2: Introduce new signaling to support SUL 1T +NUL 1T and NR 1T + NR 1T CA none zero Tx switching, e.g.,
    - Signaling introduced in Rel-19 and make it early implementable
  + Other approaches are not excluded

Note: The feasibility needs to check with RAN2