**3GPP TSG-RAN WG4 Meeting #116bis R4-2513606**

**Prague, Czech Republic, October 13 – 17, 2025**

**Title:** LS of RAN4 RRM agreement update on switching pattern application

**Response to:**

**Release:** Rel-19

**Work Item:** NR\_LBCA\_Sw-Core

**Source:** RAN4

**To:** RAN1

Cc:

**Contact person:** Jie Cui, jie\_cui@apple.com

**Send any reply LS to:** 3GPP Liaisons Coordinator, <mailto:3GPPLiaison@etsi.org>

**Attachments:** None

# 1 Overall description

RAN4 has further discussed the applicability of switching pattern for SDL SCell for RRM requirements and would like to share the following update to RAN1.

|  |
| --- |
| * Revise the previous agreement in [**R4-2504895**](ftp://10.10.10.10/ftp/tsg_ran/WG4_Radio/TSGR4_114bis/Inbox/R4-2504895.zip) issue 1-1-3 (RAN4 #114bis) for the SCell which is in activation procedure:   + For the SCell which is in activation procedure,     - The RRC configured switching pattern for SDL SCell is applied.     - For MAC CE based SCell activation, UE shall apply the RRC configured switching pattern at slot n+(THARQ+3ms+TLBCA)/slot-length     - For RRC based direct SCell activation, UE shall apply the RRC configured switching pattern at slot n+(TRRC\_Process + TLBCA)/slot-length       * Option 1: TLBCA =0ms       * Option 2: TLBCA =1ms       * Option 3: TLBCA =4ms   + In maintenance stage, RAN4 to FFS how UE performs switching according to the following two options.     - For MAC CE based SCell activation, according to the switching pattern,       * Option 1: UE switching to SCell immediately after n+(THARQ+3ms+ TLBCA)/slot-length.       * Option 2: UE switching to SCell at the next switching period after n+(THARQ+3ms+ TLBCA)/slot-length.       * Other options are not precluded.     - For RRC based direct SCell activation, according to the switching pattern,       * Option 1: UE switching to SCell immediately after n+(TRRC\_Process + TLBCA)/slot-length.       * Option 2: UE switching to SCell at the next switching period after n+(TRRC\_Process + TLBCA)/slot-length.       * Other options are not precluded.   Note: if the timeline for application and for switching has ambiguity, RAN4 may revise the above application timeline. |

# 2 Actions

**To RAN1:**

**ACTION:** RAN4 respectfully asks RAN1 to take the above into account in their future work.

# 3 Dates of next TSG-RAN WG4 meetings

TSG-RAN WG4 Meeting #117 17th – 21st Nov 2025 Dallas, USA

TSG-RAN WG4 Meeting #118 09th – 13th Feb 2026 Gothenburg, Sweden