**3GPP TSG RAN WG1 #119 R1-2410901**

**Orlando, US, November 18th – 22nd, 2024**

**Title:** Draft LS on collision between SSB and RA occasion for LTM

**Release:** Release 18

**Work Item:** NR\_Mob\_enh2-Core

**Source:** Google, [RAN1]

**To:** RAN4

Cc:

**Contact Person:**

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**Attachments: -**

**1. Overall Description:**

On R18 LTM, for unpaired spectrum, RAN1 identified possible collision between valid RA occasion (RO) and SSB associated with different cells in time domain, which is due to that RO validation is performed per cell. The collision could happen when the different cells are in the same frequency band or in different frequency band. It is unclear to RAN1 on whether/how to handle the collision between an SSB and a valid RO associated with different cells.

**2. Actions:**

**To RAN4:**

RAN1 respectfully asks RAN4 on whether/how to handle the collision between an SSB and a valid RO as described above and to provide answer for it.

**3. Date of Next TSG-RAN1 Meetings:**

TSG-RAN1 #120 17 Feb. – 21 Feb. 2025 Athens, Greece

TSG-RAN1 #121 7 April. – 11 April. 2025 China