**3GPP TSG-RAN WG1 Meeting #100bisR1- 20nnnnn**

**e-Meeting, April 20th – 30th, 2020**

**Title: [DRAFT]** LS Response on NR-U PRACH root sequence for 2-step RA

**Response to:** R2-2002138, LS to RAN1 on NR-U PRACH root sequence for 2-step RA

**Release:** Rel-16

**Work Item:** NR\_2step\_RACH-Core, NR\_unlic-Core

**Source:** Ericsson

**To:** 3GPP TSG-RAN WG2

**Contact Person:**

#### Name: Mark Harrison

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**Attachments:** None

**1. Overall Description:**

In R2-2002138 [1], RAN2 asks RAN1 whether the two new PRACH root sequences (of length 571 and 1151) introduced in NR-U are applicable to 2-step random access.

RAN1 would like to inform RAN2 that RAN1 has decided to support the two new PRACH root sequences (of length 571 and 1151) in 2-step RA for operation with shared spectrum channel access.

**2. Actions:**

**To RAN2 group:**

**ACTION:** RAN1 respectfully requests that RAN2 reflect in their specifications the two new PRACH root sequences (of length 571 and 1151) are supported in 2-step random access for operation with shared spectrum channel access.

**3. References**

[1] R2-2002138, “LS to RAN1 on NR-U PRACH root sequence for 2-step RA”, Ericsson, RAN2 #109-e, February 2020.

**4. Date of Next TSG-RAN WG1 Meetings:**

TSG-RAN WG1 Meeting #101-e 25 May - 05 June 2020 Online

TSG-RAN WG1 Meeting #102 24 - 28 August 2020 Toulouse, FR