**3GPP TSG-RAN WG2 Meeting #128 draftR2-2410976**

Orlando, USA, 18th-22nd November 2024

Title: [draft] LS on PWS support in RRC\_CONNECTED for NB-IoT NTN

Response to: -

Release: Release 19

Work Item: IoT\_NTN\_Ph3-Core

Source: InterDigital, Inc. [to be RAN2]

To: RAN1

Cc: -

**Contact Person:**

Name: Brian Martin

E-mail Address: [brian.martin@interdigital.com](mailto:brian.martin@interdigital.com)

**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

Attachments: -

**1. Overall Description:**

A revised WID was approved in RAN#105 (Sept 2024) to further enhance the support of NB-IoT and eMTC for NTN in RP-242397, with the following with the following new objective added:

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| * Support broadcast of PWS messages for NB-IoT re-using the LTE mechanisms [RAN2]   Note: The solutions will be developed for NTN but can be applicable to TN (if possible). Specific NB-IoT TN optimizations will not be considered as part of this WI.  Note: Support for indication of intended service area for ETWS will be considered based on NR NTN discussions/outcome. |

RAN2 discussed whether to introduce support for reception of PWS (ETWS and CMAS) notifications in RRC\_CONNECTED for NB-IoT but were not able to conclude.

PWS notifications are delivered via paging or direct indication (primary notification) and system information (secondary notification).

Currently NB-IoT UEs and Cat-M UEs are not required to monitor for paging or receive system information in RRC\_CONNECTED, and RAN2 would like to understand from RAN1 perspective whether it is feasible to introduce this in Rel-19.

**2. Actions:**

**To** **RAN1**

**ACTION:**  Please respond with an indication of whether it is feasible from RAN1 perspective to introduce support in Rel-19 for NB-IoT UEs and Cat-M UEs reception of PWS notifications (in paging, direct indication, and system information) while in RRC\_CONNECTED.

**3. Date of Next RAN2 Meetings:**

TSG-RAN WG2#129 2025-02-17 to 2025-02-21 Athens, GR

TSG-RAN WG2#129bis 2025-04-07 to 2025-04-11 Wuhan, CN