**3GPP TSG-RAN WG3 Meeting #114bis-e *R3-22xxxx***

**E-meeting, 17 – 26 January 2022**

**Agenda item: 22.2.5**

**Source:**  **Lenovo, Motorola Mobility, Huawei, Qualcomm Incorporated, Samsung, ZTE, Nokia, Nokia Shanghai Bell, LG Electronics**

**Title:** (**TP to TS 38.423 BL CR) RAN Multicast Group Paging**

**Document for: Other**

# **2 Text Proposal**

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### X.X.X RAN Multicast Group Paging

#### X.X.X.1 General

The purpose of the RAN Multicast Group Paging procedure is to enable the NG-RAN node1 to request paging of UEs that have joined a MBS Session in the NG-RAN node2.

The procedure uses non UE-associated signalling.

#### X.X.X.2 Successful operation



Figure 8.2.5.2-1: RAN Multicast Group Paging: successful operation

The RAN Multicast Group Paging procedure is triggered by the NG-RAN node1 by sending the RAN MULTICAST GROUP PAGING message to the NG-RAN node2.

If the RAN MULTICAST GROUP PAGING message includes the *Paging DRX* IE, the NG-RAN node2.shall, if supported, use it according to TS 38.304 [33].

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#### X.X.X.X RAN MULTICAST GROUP PAGING

This message is sent by the NG-RAN node1 to NG-RAN node2 to page UEs for an multicast session.

Direction: NG-RAN node1 → NG-RAN node2.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| Message Type | M |  | 9.2.3.1 |  | YES | ignore |
| MBS Session ID | M |  | FFS |  | YES | ignore |
|  |  |  |  |  |  |  |
| **UE Identity Index List** |  | 0..1 |  |  | YES | reject |
| **>UE Identity Index Item** |  | *1 .. <maxnoofUEsofMBSPaging>* |  |  | - | - |
| >> CHOICE *UE Identity Index Value* | M |  |  |  | - | - |
| *>>>Length-10* |  |  |  |  |  |  |
| >>>>Index Length-10 | M |  | BIT STRING (SIZE(10)) | Coded as specified in TS 38.304 [33]. | – | - |
| >>Paging DRX | O |  | 9.2.3.143 | Includes the UE specific paging cycle as defined in TS 38.304 [33]. | - | - |
| Multicast RAN Paging Area | M |  | RAN Paging Area9.2.3.38 |  | YES | reject |
|  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Range bound** | **Explanation** |
| *maxnoofUEsofMBSPaging* | Maximum no. of UEs for multicast group paging. Value is FFS. |