**3GPP TSG-RAN WG2 Meeting #127 *R2-2407775***

**Maastricht, NL, 19-23 August 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.300** | **CR** | **0898** | **rev** | **-** | **Current version:** | **15.17.0** |  |
|  | | | | | | | | |
| *For* [***HELP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network | **X** | Core Network |  |

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| ***Title:*** | Alignment of mps-PriorityAccess cause in RRC Resume | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Peraton Labs, CISA ECD, Verizon | | | | | | | | | |
| ***Source to TSG:*** | R2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_NewRAT-Core | | | | |  | ***Date:*** | | | 2024-08-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | F |  | | | | | ***Release:*** | | | Rel-15 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 3GPP TS 38.300 does not support RRC resume causes, only RRC establishment causes, whereas 3GPP TS 38.331 and 3GPP TS 24.501 do, as follows:  3GPP TS 38.331, clause 5.3.2.3 sets the mps-PriorityAccess cause in the RRCResume when the UE is configured with Access Identity 1:  3> if the UE is configured by upper layers with Access Identity 1:  4> initiate the RRC connection resumption procedure according to 5.3.13 with *resumeCause* set to *mps-PriorityAccess*;  3GPP TS 24.501, clause 4.5.6 uses RRC resume cause for MPS as follows:  “NOTE 1: Following an RRC release with redirection, the lower layers can set the RRC establishment cause or the resume cause to “mps-PriorityAccess” in the case of redirection to an NR cell connected to 5GCN (see 3GPP TS 38.331 [30]) or to “highPriorityAccess” in the case of redirection to an E-UTRA cell connected to 5GCN (see 3GPP 36.331 [25A]), if the network indicates to the UE during RRC connection release with redirection that the UE has an active MPS session” | | | | | | | | |
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| ***Summary of change:*** | | In clause 7.4, add resume causes to align with stage 3 specifications.  **Impact analysis**  Impacted functionality:  Resume cause  Inter-operability:  No interoperability issues | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | This specification continues not to recognize support of resume cause | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 7.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ...  TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

<<<<<<<<<<<<<<<<<<<< Start of Changes >>>>>>>>>>>>>>>>>>>>

## 7.4 Access Control

NG-RAN supports overload and access control functionality such as RACH back off, RRC Connection Reject, RRC Connection Release and UE based access barring mechanisms.

One unified access control framework as specified in TS 22.261 [19] applies to all UE states (RRC\_IDLE, RRC\_INACTIVE and RRC\_CONNECTED) for NR. NG-RAN broadcasts barring control information associated with Access Categories and Access Identities (in case of network sharing, the barring control information can be set individually for each PLMN). The UE determines whether an access attempt is authorized based on the barring information broadcast for the selected PLMN, and the selected Access Category and Access Identity(ies) for the access attempt:

- For NAS triggered requests, NAS determines the Access Category and Access Identity(ies);

- For AS triggered requests, RRC determines the Access Category while NAS determines the Access Identity(ies).

The gNB handles access attempts with establishment or resume causes "emergency", "mps-PriorityAccess" and "mcs-PriorityAccess" (i.e. Emergency calls, MPS, MCS subscribers) with high priority and responds with RRC Reject to these access attempts only in extreme network load conditions that may threaten the gNB stability.

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