**3GPP TSG-RAN WG3 Meeting #129bis *R3-257225***

**Prague, Czech Republic, 13 – 17 October 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **38.413** | **CR** | **1353** | **rev** | **1** | **Current version:** | 19.0.0 |  |
|  | | | | | | | | |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)*** *on using this form: comprehensive instructions can be found at  <http://www.3gpp.org/Change-Requests>.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Corrections for Femto | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_WAB\_5GFemto-Core | | | | |  | ***Date:*** | | | 2025-10-02 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-19 |
|  | *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-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 1. In NR Femto, the new *GW Context Release Indication* IE is introduced in UE context release request message, however the corresponding procedural text is missing. It is better to add procedural text for the new IE to make the specification more clear. 2. In case of NG handover towards an NR Femto node connected to an NR Femto GW, to allow the NR Femto GW to identify the target NR Femto node, AMF includes the Global RAN Node ID of the target NR Femto node in the HANDOVER REQUEST message. It is suggested to add some description in the semantics description of the *Target RAN Node ID* IE for better understanding. 3. In the semantics description of *GW Context Release Indication* IE, it described that “This IE indicates to the AMF that the gNB has successfully performed an Xn HO for the UE to a target gNB.”. There may be other reason instead of HO to include this indication. Suggest to remove the detailed reason “the gNB has successfully performed an Xn HO for the UE to a target gNB”. Since the IE description is clearly enough, suggest to remove the semantics description of *GW Context Release Indication* IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | 1. In clause 8.3.2.2, add corresponding procedural text for the new *GW Context Release Indication* IE. 2. Add reference to TS 38.300 in the semantics description of the *Target RAN Node ID* IE. 3. In 9.3.1.274, remove the semantics description of the *GW Context Release Indication* IE. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | The specification is not clear. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 8.3.2.2, 9.2.3.4, 9.3.1.274 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | 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 the First Change---------------***

#### 8.3.2.2 Successful Operation



Figure 8.3.2.2-1: UE context release request

The NG-RAN node controlling a UE-associated logical NG-connection initiates the procedure by sending a UE CONTEXT RELEASE REQUEST message towards the affected AMF.

The UE CONTEXT RELEASE REQUEST message shall indicate the appropriate cause value, e.g., "TXnRELOCOverall Expiry", "Redirection", for the requested UE-associated logical NG-connection release.

If the *PDU Session Resource List* IE is included in the UE CONTEXT RELEASE REQUEST message, the AMF shall handle this information as specified in TS 23.502 [10].

If the *GW Context Release Indication* IE is included in the UE CONTEXT RELEASE REQUEST message, the AMF shall, if supported, operate as specified in TS 38.300 [8].

***-------Skip unchanged---------***

***-----------------Next Change-------------------***

#### 9.2.3.4 HANDOVER REQUEST

This message is sent by the AMF to the target NG-RAN node to request the preparation of resources.

Direction: AMF → NG-RAN node.

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| --- | --- | --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| Message Type | M |  | 9.3.1.1 |  | YES | reject |
| AMF UE NGAP ID | M |  | 9.3.3.1 |  | YES | reject |
| Handover Type | M |  | 9.3.1.22 |  | YES | reject |
| Cause | M |  | 9.3.1.2 |  | YES | ignore |
| UE Aggregate Maximum Bit Rate | M |  | 9.3.1.58 |  | YES | reject |
| Core Network Assistance Information for RRC INACTIVE | O |  | 9.3.1.15 |  | YES | ignore |
| UE Security Capabilities | M |  | 9.3.1.86 |  | YES | reject |
| Security Context | M |  | 9.3.1.88 |  | YES | reject |
| New Security Context Indicator | O |  | 9.3.1.55 |  | YES | reject |
| NASC | O |  | NAS-PDU  9.3.3.4 | Refers to either the “Intra N1 mode NAS transparent container” or the “S1 mode to N1 mode NAS transparent container”, the details of the IE definition and the encoding arespecified in TS 24.501 [26]. | YES | reject |
| **PDU Session Resource Setup List** |  | *1* |  |  | YES | reject |
| **>PDU Session Resource Setup Item** |  | *1..<maxnoofPDUSessions>* |  |  | - |  |
| >>PDU Session ID | M |  | 9.3.1.50 |  | - |  |
| >>S-NSSAI | M |  | 9.3.1.24 |  | - |  |
| >>Handover Request Transfer | M |  | OCTET STRING | Containing the *PDU Session Resource Setup Request Transfer* IE specified in subclause 9.3.4.1. | - |  |
| >>PDU Session Expected UE Activity Behaviour | O |  | Expected UE Activity Behaviour  9.3.1.94 | Expected UE Activity Behaviour for the PDU Session. | YES | ignore |
| Allowed NSSAI | M |  | 9.3.1.31 | Indicates the S-NSSAIs permitted by the network. | YES | reject |
| Trace Activation | O |  | 9.3.1.14 |  | YES | ignore |
| Masked IMEISV | O |  | 9.3.1.54 |  | YES | ignore |
| Source to Target Transparent Container | M |  | 9.3.1.20 |  | YES | reject |
| Mobility Restriction List | O |  | 9.3.1.85 |  | YES | ignore |
| Location Reporting Request Type | O |  | 9.3.1.65 |  | YES | ignore |
| RRC Inactive Transition Report Request | O |  | 9.3.1.91 |  | YES | ignore |
| GUAMI | M |  | 9.3.3.3 |  | YES | reject |
| Redirection for Voice EPS Fallback | O |  | 9.3.1.116 |  | YES | ignore |
| CN Assisted RAN Parameters Tuning | O |  | 9.3.1.119 |  | YES | ignore |
| SRVCC Operation Possible | O |  | 9.3.1.128 |  | YES | ignore |
| IAB Authorized | O |  | 9.3.1.129 |  | YES | reject |
| Enhanced Coverage Restriction | O |  | 9.3.1.140 |  | YES | ignore |
| UE Differentiation Information | O |  | 9.3.1.144 |  | YES | ignore |
| NR V2X Services Authorized | O |  | 9.3.1.146 |  | YES | ignore |
| LTE V2X Services Authorized | O |  | 9.3.1.147 |  | YES | ignore |
| NR UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.148 | This IE applies only if the UE is authorized for NR V2X services. | YES | ignore |
| LTE UE Sidelink Aggregate Maximum Bit Rate | O |  | 9.3.1.149 | This IE applies only if the UE is authorized for LTE V2X services. | YES | ignore |
| PC5 QoS Parameters | O |  | 9.3.1.150 | This IE applies only if the UE is authorized for NR V2X services. | YES | ignore |
| CE-mode-B Restricted | O |  | 9.3.1.155 |  | YES | ignore |
| UE User Plane CIoT Support Indicator | O |  | 9.3.1.160 |  | YES | ignore |
| Management Based MDT PLMN List | O |  | MDT PLMN List  9.3.1.168 |  | YES | ignore |
| UE Radio Capability ID | O |  | 9.3.1.142 |  | YES | reject |
| Extended Connected Time | O |  | 9.3.3.31 |  | YES | ignore |
| Time Synchronisation Assistance Information | O |  | 9.3.1.220 |  | YES | ignore |
| UE Slice Maximum Bit Rate List | O |  | 9.3.1.231 |  | YES | ignore |
| 5G ProSe Authorized | O |  | 9.3.1.233 |  | YES | ignore |
| 5G ProSe UE PC5 Aggregate Maximum Bit Rate | O |  | NR UE Sidelink Aggregate Maximum Bit Rate  9.3.1.148 | This IE applies only if the UE is authorized for 5G ProSe services. | YES | ignore |
| 5G ProSe PC5 QoS Parameters | O |  | 9.3.1.234 | This IE applies only if the UE is authorized for 5G ProSe services. | YES | ignore |
| Aerial UE Subscription Information | O |  | 9.3.1.246 |  | YES | ignore |
| NR A2X Services Authorized | O |  | 9.3.1.247 |  | YES | ignore |
| LTE A2X Services Authorized | O |  | 9.3.1.248 |  | YES | ignore |
| NR A2X UE PC5 Aggregate Maximum Bit Rate | O |  | NR UE Sidelink Aggregate Maximum Bit Rate 9.3.1.148 | This IE applies only if the UE is authorized for NR A2X services. | YES | ignore |
| LTE A2X UE PC5 Aggregate Maximum Bit Rate | O |  | LTE UE Sidelink Aggregate Maximum Bit Rate 9.3.1.149 | This IE applies only if the UE is authorized for LTE A2X services. | YES | ignore |
| A2X PC5 QoS Parameters | O |  | 9.3.1.249 | This IE applies only if the UE is authorized for A2X services. | YES | ignore |
| Mobile IAB Authorized | O |  | 9.3.1.259 |  | YES | ignore |
| No PDU Session Indication | O |  | ENUMERATED (true, ...) | This IE applies only if the UE is a mobile IAB-MT. | YES | ignore |
| Partially Allowed NSSAI | O |  | 9.3.1.261 | Indicates the S-NSSAIs partially permitted by the network. | YES | ignore |
| Ranging and Sidelink Positioning Service Information | O |  | 9.3.1.269 | This IE applies only if the UE is authorized for NR V2X services and/or 5G ProSe services. | YES | ignore |
| AMF UE NGAP ID 2 | O |  | AMF UE NGAP ID 9.3.3.1 | This IE indicates the AMF UE NGAP ID assigned by the AMF. | YES | ignore |
| Target RAN Node ID | O |  | Global RAN Node ID  9.3.1.5 | This IE indicates the target NR Femto node, as described in TS 38.300 [8]. | YES | ignore |

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| Range bound | Explanation |
| maxnoofPDUSessions | Maximum no. of PDU sessions allowed towards one UE. Value is 256. |

***-----------------Next Change-------------------***

#### 9.3.1.274 GW Context Release Indication

This information element is set by the gNB to provide an indication that the AMF may release any resources related to the signalled NG UE context (see TS 38.300 [8]).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| IE/Group Name | Presence | Range | IE type and reference | Semantics description |
| GW Context Release Indication | M |  | ENUMERATED (true, …) |  |

***-----------------End of the First Change---------------***