**3GPP TSG-RAN WG3 Meeting # 129bis R3-257291**

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

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **1369** | **rev** | **1** | **Current version:** |  |  |
|  | | | | | | | | |
| *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 |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Correction on the Notification Cause IE in NGAP | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE Corporation | | | | | | | | | |
| ***Source to TSG:*** | R3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | NR\_XR\_Ph3-Core | | | | |  | ***Date:*** | | | 2025-09-30 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | In Rel-19, RAN3 added new code points(e.g. "not fulfilled DL", "not fulfilled UL") for the *Notification Cause* IE. These code points can be used to convey QoS related information from the gNB to the CN. However, the semantic description of this IE has been missed in NGAP. To clarify the usage of these code points, additional semantic descriptions for this IE should be added. | | | | | | | | |
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| ***Summary of change:*** | | Add semantic description for *Notification Cause* IE. | | | | | | | | |
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| ***Consequences if not approved:*** | | RAN node may not use the code point properly for the *Notification Cause* IE. | | | | | | | | |
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| ***Clauses affected:*** | | 9.3.4.5 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 Changes >>>>>>>>>>>>>>>>>>>>>

#### 9.3.4.5 PDU Session Resource Notify Transfer

This IE is transparent to the AMF.

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| IE/Group Name | Presence | Range | IE type and reference | Semantics description | Criticality | Assigned Criticality |
| **QoS Flow Notify List** |  | *0..1* |  |  | - |  |
| **>QoS Flow Notify Item** |  | *1..<maxnoofQoSFlows>* |  |  | - |  |
| >>QoS Flow Identifier | M |  | 9.3.1.51 |  | - |  |
| >>Notification Cause | M |  | ENUMERATED (fullfilled, not fulfilled, …, not fulfilled DL, not fulfilled UL) | Indicates the notification cause information for the specific GBR QoS flow, as specified in TS 23.501 [9]. | - |  |
| >>Current QoS Parameters Set Index | O |  | Alternative QoS Parameters Set Notify Index  9.3.1.153 | Index to the currently fulfilled alternative QoS parameters set. Value 0 indicates that NG-RAN cannot even fulfil the lowest alternative parameters set. | YES | Ignore |
| >>TSC Traffic Characteristics Feedback | O |  | 9.3.1.257 |  | YES | ignore |
| QoS Flow Released List | O |  | QoS Flow List with Cause  9.3.1.13 |  | - |  |
| Secondary RAT Usage Information | O |  | 9.3.1.114 |  | YES | ignore |
| **QoS Flow Feedback List** |  | *0..1* |  |  | YES | ignore |
| **>QoS Flow Feedback Item** |  | *1..<maxnoofQoSFlows>* |  |  | - |  |
| >>QoS Flow Identifier | M |  | 9.3.1.51 |  | - |  |
| >>Update Feedback | O |  | BIT STRING {  CN PDB DL(0),  CN PDB UL(1)}  (SIZE(8, …)) | Each position in the bitmap represents a QoS parameter.  If a bit is set to "1", the respective parameter was not updated.  If a bit is set to "0", the respective parameter was successfully updated.  Bits 2-7 reserved for future use. | - |  |
| >>CN Packet Delay Budget Downlink | O |  | Extended Packet Delay Budget  9.3.1.135 | Indicates when the packet delay budget downlink was not updated in path switch that NG-RAN can offer this value | - |  |
| >>CN Packet Delay Budget Uplink | O |  | Extended Packet Delay Budget  9.3.1.135 | Indicates when the packet delay budget uplink was not updated in path switch that NG-RAN can offer this value | - |  |

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| Range bound | Explanation |
| maxnoofQoSFlows | Maximum no. of QoS flows allowed within one PDU session. Value is 64. |

<<<<<<<<<<<<<<<<<<<< End of Change >>>>>>>>>>>>>>>>>>>>