**3GPP TSG SA WG5 Meeting #162 S5-253794**

**Goteborg, SWEDEN 25 - 29 August 2025**

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.255** | **CR** | **0600** | **rev** | **2** | **Current version:** | **19.2.0** |  |
|  | | | | | | | | |
| *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 |  | Core Network | **X** |

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| ***Title:*** | Rel-19 CR 32.255 Correction on the UPF ID | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | China Mobile Com. Corporation | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GS\_Ph1-DCH | | | | |  | ***Date:*** | | | 2025-08-29 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **C** |  | | | | | ***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)* | |
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| ***Reason for change:*** | | Since the billing side needs to regularly conduct data consistency checks with the network side to avoid CDR loss during transmission, and the data provided by the network side during these checks includes the UPF ID.However,the CDRs transmitted to the billing side do not carry the UPF ID in some cases. | | | | | | | | |
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| ***Summary of change:*** | | Add the scenario of operator requirement to the description of the UPF ID field. | | | | | | | | |
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| ***Consequences if not approved:*** | | This will lead to mismatch between the two sides' data and make it difficult to locate the root cause of the inconsistency. | | | | | | | | |
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| ***Clauses affected:*** | | 6.1.1.2, 6.1.3.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | | Revision of S5-253656 | | | | | | | | |

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| **First Change** |

#### 6.1.1.2 Charging Data Request message

Table 6.1.1.2.1 illustrates the basic structure of a Charging Data Request message from the SMF as used for 5G data connectivity converged charging.

Table 6.1.1.2.1: Charging Data Request message contents

| **Information Element** | | **Category for converged charging** | | **Category for offline only charging** | | **Description** | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Session Identifier | | OC | | OC | | Described in TS 32.290 [57] | |
| Subscriber Identifier | | OM | | M | | Described in TS 32.290 [57]  In case SUPI is not present (for emergency service), the User Equipment Info in table 6.2.1.2.1. shall be present for identifying the user. | |
| Tenant Identifier | | OC | | OC | | Described in TS 32.290 [57].  This field may be used in the business context. | |
| NF Consumer Identification | | M | | M | | Described in TS 32.290 [57] | |
| NF Functionality | | M | | OC | | Described in TS 32.290 [57] | |
| NF Name | | OC | | OC | | Described in TS 32.290 [57] | |
| NF Address | | OC | | OC | | Described in TS 32.290 [57] | |
| NF PLMN ID | | OC | | OC | | Described in TS 32.290 [57] | |
| Invocation Timestamp | | M | | M | | Described in TS 32.290 [57] | |
| Invocation Sequence Number | | M | | M | | Described in TS 32.290 [57] | |
| Retransmission Indicator | | OC | | OC | | Described in TS 32.290 [57] | |
| Notify URI | | OC | | OC | | Described in TS 32.290 [57] | |
| Service Specification Information | | OC | | OC | | Described in TS 32.290 [57] | |
| Supported Features | | OC | | - | | This field indicates the features supported by the NF consumer. | |
| Triggers | | OC | | OC | | This field is described in TS 32.290 [57] and holds the 5G data connectivity specific triggers described in clause 5.2.1. | |
| Multiple Unit Usage | | OC | | OC | | Described in TS 32.290 [57]  This field is not applicable to QBC. | |
| Rating Group | | M | | M | | Described in TS 32.290 [57] | |
| Requested Unit | | OC | | - | | Described in TS 32.290 [57] | |
| Time | | OC | | - | | Described in TS 32.290 [57] | |
| Total Volume | | OC | | - | | Described in TS 32.290 [57] | |
| Uplink Volume | | OC | | - | | Described in TS 32.290 [57] | |
| Downlink Volume | | OC | | - | | Described in TS 32.290 [57] | |
| Used Unit Container | | OC | | OC | | Described in TS 32.290 [57] | |
| Service Identifier | | OC | | OC | | Described in TS 32.290 [57] | |
| Quota management Indicator | | OC | | - | | Described in TS 32.290 [57] | |
| Triggers | | OC | | OC | | This field is described in TS 32.290 [57] and holds the 5G data connectivity specific triggers described in clause 5.2.1. | |
| Trigger Timestamp | | OC | | OC | | Described in TS 32.290 [57] | |
| Time | | OC | | OC | | Described in TS 32.290 [57] | |
| Total Volume | | OC | | OC | | Described in TS 32.290 [57] | |
| Uplink Volume | | OC | | OC | | Described in TS 32.290 [57] | |
| Downlink Volume | | OC | | OC | | Described in TS 32.290 [57] | |
| Local Sequence Number | | OM | | OM | | Described in TS 32.290 [57] | |
| PDU Container Information | | OC | | OC | | This field holds the 5G data connectivity PDU session container specific information described in clause 6.2. | |
| UPF ID | | Oc | | OC | | This field holds the UPF identifier used to identify the UPF.  These fields shall only be included when either quota is requested per UPF, or used units are reported per UPF.  This field shall be included in each used units reporting if operator required. | |
| multi-homed PDU address | | OC | | OC | | This field holds the IPv6 prefix used by UPF. It may only be used for IPv6 multi-homed PDU sessions and then only for reporting used units. | |
| PDU Session Charging Information | | OM | | OM | | This field holds the 5G data connectivity specific information described in clause 6.2.  This field is applicable to FBC and QBC. | |
| Roaming QBC information | | OM | | OM | | This field holds the roaming QBC specific information defined in clause 6.2.1.4  This field is only applicable to QBC. | |
| Inter-CHF Information | | OC | | - | | This field holds inter CHF specific information described in clause 6.2.1.6 | |

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| **End of Change** |