**3GPP TSG-SA5 Meeting #132e *S5-204163***

**e-meeting 17th 28th August 2020**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.255** | **CR** | **0239** | **rev** | **1** | **Current version:** | **16.5.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](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 |  | Core Network | **X** |

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|  | | | | | | | | | | |
| ***Title:*** | Correction of missing AF Charging Id in string format | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI16 | | | | |  | ***Date:*** | | | 2020-08-06 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The AF charging identifier can be both a string and an integer | | | | | | | | |
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| ***Summary of change:*** | | Adding the AF charging identifier as a string. | | | | | | | | |
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| ***Consequences if not approved:*** | | Only AF charging identifier in the integer format would be supported. | | | | | | | | |
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| ***Clauses affected:*** | | 6.2.1.3 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 32.291 CR 0252  TS 32.298 CR 0821 | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | First revision of S5-204163. | | | | | | | | |

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| **First change** |

#### 6.2.1.3 Definition of PDU Container information

Used Unit Container, described in table 6.1.1.2.1, specific charging information used for 5G data connectivity charging is provided within the PDU Container Information described in table 6.2.1.3.1.

Table 6.2.1.3.1: Structure of PDU Container Information

| Information Element | Category | Description |
| --- | --- | --- |
| Time of First Usage | OC | This field holds the Timestamp when the first transmitted IP packet of the service data flow matching the current used unit container |
| Time of Last Usage | OC | This field holds the Timestamp when the last transmitted IP packet of the service data flow matching the current used unit container |
| QoS Information | OC | This field holds the QoS applied during the service data container interval |
| QoS Characteristics | OC | This field holds the QoS characteristics applied for QoS information. It is only be used when the non-standardized 5QI is present in QoS information. |
| AF Charging Identifier | OC | An identifier, provided from the AF, may be used to correlate the measurement for the Charging key/Service identifier values in this PCC rule with application level reports. |
| AF Charging Id String | OC | A string that may be provided from the AF instead of AF Charging Identifier, depending on support. |
| User Location Information | OC | This field holds the user location during the used unit container interval |
| UE Time Zone | OC | This field holds the Time Zone of where the UE is located, during the used unit container interval. |
| Presence Reporting Area Information | OC | This field holds the Presence Reporting Area Information of UE during the used unit container interval. |
| Serving Network Function ID | OC | Serving Network Function identifier. |
| RAT Type | OC | This field holds the RAT type during the used unit container interval.  For MA PDU session, this field holds the RAT type associated to the access which activated the rating group. |
| Sponsor Identity | OC | This field holds the identifier of the sponsor when sponsored data connectivity is used |
| Application Service Provider Identity | OC | This field holds the identifier of the application service provider that is delivering a service to the end user. |
| Charging Rule Base Name | OC | This field holds the reference to group of PCC rules predefined at the SMF |
| 3GPP PS Data Off Status | OC | This field holds the 3GPP Data off Status during the used unit container interval |
| MA PDU Steering functionality | OC | This field holds the Steering functionality used during the used unit container interval when MA PDU session |
| MA PDU Steering mode | OC | This field holds the Steering mode used during the used unit container interval when MA PDU session. |

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| **End of changes** |