**3GPP TSG-SA5 Meeting #155 *S5-243038***

**Jeju, South Korea, 27 - 31 May 2024**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.254** | **CR** | **0051** | **rev** | **1** | **Current version:** | **18.2.0** |  |
|  | | | | | | | | |
| *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:*** | Rel-18 CR 32.254 Correction of charging information applicability | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Ericsson LM | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-05-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The charging data request doesn’t contain all applicable information elements | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Adding missing information elements and removing not applicable. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Not included information elements may be interpreted as not applicable and which may lead to interoperability issues. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2a.1.2.1 and 6.2a.1.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 S5-242789 | | | | | | | | |

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| **First change** |

##### 6.2a.1.2.1 Charging Data Request message

Table 6.2a.1.2.1.1 illustrates the basic structure of a Charging Data Request message as used for NEF converged charging.

Table 6.2a.1.2.1.1: Charging Data Request message contents

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Information Element** | | **Category** | | **Description** | |
| Session Identifier | | OC | | Described in TS 32.290 [57] | |
| Subscriber Identifier | | OM | | Described in TS 32.290 [57], and holds the identifier of the AF | |
| NF Consumer Identification | | M | | Described in TS 32.290 [57] | |
| NF Functionality | | M | | Described in 3GPP TS 32.290 [6]. | |
| NF Name | | OC | | Described in 3GPP TS 32.290 [6]. | |
| NF Address | | OC | | Described in 3GPP TS 32.290 [6]. | |
| NF PLMN ID | | OC | | Described in 3GPP TS 32.290 [6]. | |
| Charging Identifier | | OM | | Described in TS 32.290 [57] | |
| Invocation Timestamp | | M | | Described in TS 32.290 [57] | |
| Invocation Sequence Number | | M | | Described in TS 32.290 [57] | |
| One-time Event | | OC | | Described in TS 32.290 [57]. | |
| One-time Event Type | | OC | | Described in TS 32.290 [57]. | |
| Notify URI | | - | | This field is only applicable for the notification of abort charging. | |
| Supported Features | | OC | | Described in TS 32.290 [57] | |
| Service Specification Information | | OC | | Described in TS 32.290 [57] | |
| Triggers | | OC | | This field is described in TS 32.290 [57] and holds the NEF specific triggers described in clause 5.4.1.2 | |
| Multiple Unit Usage | | OC | | This field contains the parameters for the quota management request and/or usage reporting. | |
| Rating Group | | M | | Described in TS 32.290 [57] | |
| Requested Unit | | OC | | Described in TS 32.290 [57] | |
| Used Unit Container | | 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] | |
| NEF API Charging Information | | OM | | This field holds the NEF API specific information described in clause 6.3.1.4 | |

##### 6.2a.1.2.2 Charging Data Response message

Table 6.2a.1.2.2.1 illustrates the basic structure of a Charging Data Response message as used for NEF converged charging.

Table 6.2a.1.2.2.1: Charging Data Response message content

|  |  |  |
| --- | --- | --- |
| **Information Element** | **Category** | **Description** |
| Session Identifier | OC | Described in TS 32.290 [57] |
| Invocation Timestamp | M | Described in TS 32.290 [57] |
| Invocation Result | OC | Described in TS 32.290 [57] |
| Invocation Result Code | OC | Described in TS 32.290 [57] |
| Failed parameter | OC | Described in TS 32.290 [57] |
| Failure Handling | OC | Described in TS 32.290 [57] |
| Invocation Sequence Number | M | Described in TS 32.290 [57] |
| Session Failover | OC | Described in TS 32.290 [57] |
| Supported Features | OC | Described in TS 32.290 [57] |
| Multiple Unit Information | OC | This field holds the parameters for the quota management information. |
| Result Code | OC | Described in TS 32.290 [57] |
| Rating Group | OM | Described in TS 32.290 [57] |
| Validity Time | OC | Described in TS 32.290 [57] |

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| **End of changes** |