**3GPP TSG-SA5 Meeting #154 *S5-241482rev2***

Changsha, China, 15 - 19 April 2024

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** | **0001** | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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 TS 28.204 Align message content description with TR 28.826 conclusion | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | MATRIXX Software | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-04-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***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:*** | | TR 28.286 concluded on Solution #6.10: Only Applicable Common IEs should be reflected in common part description compared to TS 32.290. | | | | | | | | |
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| ***Summary of change:*** | | Remove non applicable IEs from Table 6.1.1.2-1, Table 6.1.1.3-1, Table 6.2.2-1 and Table 6.2.2-2  Expand the sub-fields in 6.2.2 tables  Correct clause numbering in the description for NSSAA Charging Information | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear when IEs are applicable or not | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.1.2, 6.1.1.3, 6.2.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 S5-241482 | | | | | | | | |

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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 NSSAAF and AMF, as used for network slice-specific authentication and authorization.

Table 6.1.1.2-1: Charging Data Request message contents

| Information Element | Converged Charging  Category | Description |
| --- | --- | --- |
| Session Identifier | OC | Described in 3GPP TS 32.290 [6] |
| Subscriber Identifier | OM | This field contains the identification of the individual subscriber in the PLMN i.e. SUPI. |
| NF Consumer Identification | M | Described in 3GPP TS 32.290 [6] and holds the identifier of the NSACF |
| 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 3GPP TS 32.290 [6]. |
| Invocation Timestamp | M | Described in 3GPP TS 32.290 [6]. |
| Invocation Sequence Number | M | Described in 3GPP TS 32.290 [6]. |
| One-time Event | OC | Described in 3GPP TS 32.290 [6]. |
| One-time Event Type | OC | Described in 3GPP TS 32.290 [6]. |
| Supported Features | OC | Described in 3GPP TS 32.290 [6]. |
| Service Specification Information | OC | Described in 3GPP TS 32.290 [6]. |
| Triggers | OC | Described in 3GPP TS 32.290 [6] and holds the Network slice-specific authentication and authorization specific triggers described in clause 5.2.1. |
| Multiple Unit Usage | OM | Described in 3GPP TS 32.290 [6]. |
| Rating Group | M | Described in 3GPP TS 32.290 [6]. |
| Requested Unit | OC | Described in 3GPP TS 32.290 [6]. |
| NSSAA Charging Information | C | This field holds NSSAA specific information described in clause 6.2.1.2 |

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| **Next change** |

#### 6.1.1.3 Charging data response message

Table 6.1.1.3-1 illustrates the basic structure of a Charging Data Response message from the CHF to the NSSAAF and AMF as used for network slice-specific authentication and authorization.

Table 6.1.1.3-1: Charging Data Response message contents

| Information Element | Converged Charging  Category | Description |
| --- | --- | --- |
| Session Identifier | OC | Described in 3GPP TS 32.290 [6]. |
| Invocation Timestamp | M | Described in 3GPP TS 32.290 [6]. |
| Invocation Result | OC | Described in 3GPP TS 32.290 [6]. |
| Invocation Sequence Number | OM | Described in 3GPP TS 32.290 [6]. |
| Session Failover | OC | Described in 3GPP TS 32.290 [6]. |
| Supported Features | OC | Described in 3GPP TS 32.290 [6]. |
| Multiple Unit Information | OC | Described in 3GPP TS 32.290 [6]. |
| Result Code | OC | Described in 3GPP TS 32.290 [6]. |
| Rating Group | OM | Described in 3GPP TS 32.290 [6]. |
| Validity Time | OC | Described in 3GPP TS 32.290 [6]. |

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| **Next change** |

### 6.2.2 Detailed message format for converged charging

The following clause specifies per Operation Type the charging data that are sent by NSSAAF and AMF for Network slice-specific authentication and authorization converged charging.

The Operation Types are listed in the following order: I (Initial)/U (Update)/T (Termination)/E (Event). Therefore, when all Operation Types are possible it is marked as IUTE. If only some Operation Types are allowed for a node, only the appropriate letters are used (i.e. IUT or E) as indicated in the table heading. The omission of an Operation Type for a particular field is marked with "-" (i.e. IU-E). Also, when an entire field is not allowed in a node the entire cell is marked as "-".

Table 6.2.2-1 defines the basic structure of the supported fields in the *Charging Data Request* message for Network slice-specific authentication and authorization converged charging.

Table 6.2.2-1: Supported fields in Charging Data Request message

| Information Element | NSSAA NF | NSSAAF | AMF |
| --- | --- | --- | --- |
| Supported Operation Types | I/T/E | E |
| Session Identifier | | ITE | E |
| Subscriber Identifier | | ITE | E |
| NF Consumer Identification | | ITE | E |
| NF Functionality | | ITE | E |
| NF Name | | ITE | E |
| NF Address | | ITE | E |
| NF PLMN ID | | ITE | E |
| NF Functionality | | ITE | E |
| Charging Identifier | | ITE | E |
| Invocation Timestamp | | ITE | E |
| Invocation Sequence Number | | ITE | E |
| One-time Event | | --E | E |
| One-time Event Type | | --E | E |
| Supported Features | | ITE | E |
| Service Specification Information | | ITE | E |
| Multiple Unit Usage | | ITE | - |
| Rating Group | | ITE | - |
| Requested Unit | | ITE | - |
| NSSAA Charging Information | | | |
| NSSAA message type | | ITE | E |
| User identification | | ITE | E |
| S NSSAI | | ITE | E |
| AAA P Address | | ITE | E |
| AAA S Address | | ITE | E |
| EAP ID Response | | ITE | E |
| EAP auth status | | ITE | E |
| AMF Identifier | | - | E |

Table 6.2.2-2 defines the basic structure of the supported fields in the *Charging Data Response* message for Network slice-specific authentication and authorization converged charging.

Table 6.2.2-2: Supported fields in Charging Data Response message

| Information Element | NSSAA NF | NSSAAF | AMF |
| --- | --- | --- | --- |
| Supported Operation Types | I/T/E | E |
| Session Identifier | | ITE | E |
| Invocation Timestamp | | ITE | E |
| Invocation Result | | ITE | E |
| Invocation Sequence Number | | ITE | E |
| Session Failover | | I-- | - |
| Supported Features | | I-E | E |
| Multiple Unit Information | | I-E | E |
| Result Code | | I-E | E |
| Rating Group | | I-E | E |
| Validity Time | | I-E | E |

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| **End of changes** |