**3GPP TSG-SA5 Meeting #130e *S5-202166rev***

**e-meeting, 20 April– 24 April 2020** Revision of S5-20xxxx

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| *CR-Form-v11.4* |
| **CHANGE REQUEST** |
|  |
|  | **32.254** | **CR** | **0012** | **rev** | **1** | **Current version:** | **16.2.0** |  |
|  |
| *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:***  | Correct the message content for NEF charging |
|  |  |
| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | NAPS-CH |  | ***Date:*** | 2020-04-23 |
|  |  |  |  |  |
| ***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 canbe 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)* |
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| ***Reason for change:*** | The detailed message format for NEF converged charging is not aligned with the message content defined in the clause 6.2a. |
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| ***Summary of change:*** | Correct the detailed message format for NEF charging. |
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| ***Consequences if not approved:*** | Can not be aligned with other specifications.  |
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| ***Clauses affected:*** | 6.3.4 |
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|  | **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 ...  |
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| ***Other comments:*** |  |

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| **First change** |

### 6.3.4 Detailed message format for 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 (e.g. IUT or E) as indicated in the table heading. The omission of an Operation type for a particular field is marked with "-" (e.g. I-E). Also, when an entire field is not allowed in a node the entire cell is marked as "-".

Table 6.3.4.1 illustrates the basic structure of the supported fields in the Charging Data Request for exposure function API online charging.

Table 6.3.4.1: Supported fields in Charging Data Request message

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| Information Element | Node Type | NEF |
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| Supported Operation Types | I/T/U/E |
| Session Identifier | ITE |
| Subscriber Identifier | ITE |
| NF Consumer Identification | ITE |
| Invocation Timestamp | ITE |
| Invocation Sequence Number | ITE |
| Retransmission Indicator | --- |
| One-time Event | --E |
| One-time Event Type | --E |
| Notify URI | I-- |
| Triggers | ITE |
| Multiple Unit Usage | ITE |
| NEF API Charging Information |
| External Identifier | ITE |
| API Direction | ITE |
| API Target Network Function | ITE |
| API Result Code | ITE |
| API Name | ITE |
| API Reference | ITE |
| API Content | ITE |

Table 6.3.4.2 illustrates the basic structure of the supported fields in the Charging Data Response for exposure function API converged charging.

Table 6.3.4.2: Supported fields in *Charging Data Response* Message

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| Information Element | Node Type | NEF |
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| Supported Operation Types | I/U/T/E |
| Session Identifier | ITE |
| Invocation Timestamp | ITE |
| Invocation Result | ITE |
| Invocation Sequence Number | ITE |
| Session Failover | ITE |
| Triggers  | ITE |
| Multiple Unit Information | I-E |

Editor's note: The full list of information elements is FFS.

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| **End of change** |