**3GPP TSG-SA5 Meeting #154 *S5-241471rev1***

**Changsha, Hunan Province, , -**

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| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.290** | **CR** | **0218** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *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:*** | Rel-18 CR 32.290 Nchf\_ConvergedCharging\_Create service operation output correction | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Nokia | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI18 | | | | |  | ***Date:*** | | | 2024-04-17 |
|  |  | | | |  | |  | | |  |
| ***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 o. | | | | | | | | *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:*** | | ‘Triggers’ appear as Nchf\_ConvergedCharging\_Create service operation outputs, when it’s not available as supported field in Converged Charging Data Response Message (TS32.254 – Table 6.3.4.2) | | | | | | | | |
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| ***Summary of change:*** | | Remove Trigger from Nchf\_ConvergedCharging\_Create service operation outputs | | | | | | | | |
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| ***Consequences if not approved:*** | | No alignment with Converged Charging Data Response Message | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.2.1 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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| **First change** |

## 6.2 Nchf\_ConvergedCharging service

### 6.2.1 General

**Service description:** The ConvergedCharging service provides charging for session and event based NF services. This ConvergedCharging service offers charging:

- With quota management (online; this includes support for both blocking mode and non-blocking mode)

- Without quota management (offline)

- Charging information record generation

The following table shows the CHF Services and CHF Service Operations.

Table 6.2.1-1: NF services provided by the CHF

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| --- | --- | --- | --- |
| Service Name | Service Operations | Operation  Semantics | Example Consumer(s) |
| Nchf\_ConvergedCharging | Create | Request/Response | SMF, SMSF, AMF, SMF+PGW-C, NEF, IMS-Node, MMS-Node, CEF, MnS Producer, EES, MB-SMF, CHF |
| Update | Request/Response | SMF, SMF+PGW-C, IMS-Node, MB-SMF, CHF |
| Release | Request/Response | SMF, SMSF, AMF, NEF, SMF+PGW-C, IMS-Node, MMS-Node, MB-SMF, CHF |
| Notify | Notify | SMF, SMF+PGW-C, IMS-Node, CHF |

The applicability of ConvergedCharging service to:

- SMF, MB-SMF and SMF+PGW-C as consumer is specified in TS 32.255 [30] for 5G data connectivity domain charging;

- IMS-Node as consumer is specified in TS 32.260 [31] for IMS charging;

- NEF as consumer is specified in TS 32.254 [32] for exposure function Northbound Application Program Interfaces charging;

- AMF as consumer is specified in the TS 32.256 [33] for 5G connection and mobility domain charging;

- SMSF as consumer is specified in TS 32.274 [34] for short message service charging;

- CEF as consumer is specified in the TS 28.201 [35] and TS 28.202[36] for Network slice charging and edge computing charging;

- MnS Producer as consumer is specified in the TS 28.201 [35] and TS 28.202 [36] for Network slice charging.

- MMS-Node as consumer is specified in TS 32.270 [37] for multimedia messaging service charging.

- EES as consumer is specified in the TS 32.257 [38] for edge computing charging.

- CHF as consumer is specified in TS 32.255 [30] for LBO roaming 5G data connectivity domain charging and the TS 32.256 [33] for roaming 5G connection and mobility domain charging.

The input and output parameters described in the clauses below are common to all NF Consumers. The list of the inputs and outputs parameters provided by the CHF for NF Services Consumer is not exhaustive, and is not accurate, additional NF Consumer specific parameters are specified in the middle tier TSs.

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| **End of change** |