**3GPP TSG-SA5 Meeting #132e *S5-204370rev1***

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

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **32.290** | **CR** | **0130** | **rev** | **1** | **Current version:** | **16.4.0** |  |
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| *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 on Converged Charging and Requested Unit handling |
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| ***Source to WG:*** | Matrixx |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | 5GS\_Ph1-SBI\_CH  |  | ***Date:*** | 2020-08-07 |
|  |  |  |  |  |
| ***Category:*** | **A** |  | ***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 current Nchf interface description does not contain the clarification on Unit Determination and Rating selection for Converged charging on the presence of Requested Unit Information element in the Charging Data Request message. Missing clarification on how Unit determination and Rating (centralized /decentralized) will be done based on the presence of RequestedUnit.  |
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| ***Summary of change:*** | Description for Converged Charging Unit determination and Rating (centralized /decentralized) based on the presence of RequestedUnit. |
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| ***Consequences if not approved:*** | Charging errors on Nchf interface due too different Requested Unit handling  |
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| ***Clauses affected:*** | 5.3.1 |
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|  | **Y** | **N** |  |  |
| ***Other specs*** |  | **X** |  Other core specifications  |  |
| ***affected:*** |  | **X** |  Test specifications |  |
| ***(show related CRs)*** | **X** |  |  O&M Specifications | TS 32.291 CR 0265 |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

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### 5.3.1 Basic principles

When offline charging and online charging are applicable to a service delivery, the charging information of both offline charging (without quota management) and online charging (with quota management) can be provided in a single command. The triggering for reporting the charging information can be any triggers of the offline charging or online charging (deferred or immediate triggers).

For invoking the converged charging service without quota management, the NF consumer (CTF) does not include any Requested Unit (RU) information element in attributes of the Charging Data Request message sent to CHF (ConvergedCharging service is using offline charging functionalities). For invoking the converged charging service with quota management, the NF consumer (CTF) provides the RequestedUnit (RU) information element in attributes of the Charging Data Request message sent to CHF (ConvergedCharging service is using online charging functionalities). The ConvergedCharging service will operate in decentralized unit determination with the provided attributes of the RU information element otherwise if no attribute is included in the RU information element, the ConvergedCharging service will operate in centralized unit determination as defined in TS 32.291 [58] subclause 6.1.6.2.1.9.

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| **End of changes** |