**3GPP TSG-SA5 Meeting #132e *S5-204366rev1***

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

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **32.290** | **CR** | **0129** | **rev** | **1** | **Current version:** | **15.6.0** |  |
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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:*** | 2020-08-24 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-15 |
|  | *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 contains the clarification on presence of Requested Unit Information element in the Charging Data Request message, which could be either missing or empty for the charging service support without (offline) or with (online) quota management. Missing clarification on how Unit determination and Rating (centralized /decentralized) will be done based on the presence of parameter in RequestedUnit. |
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| ***Summary of change:*** | Description of charging service support (offline/online) for Converged Charging as well as the 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 0264 |
|  |  |
| ***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 both applicable to a service delivery, the charging information of both offline charging and online charging can be provided in a single command, upon any triggers of the offline charging or online charging is occur.

Offline charging (without quota management) is applicable, if the NF consumer (CTF) does not include the RequestedUnit (RU) information element in the Charging Data Request message sent to CHF (ConvergedCharging service is using offline charging functionalities). Online charging (with quota management) is appliable, if the NF consumer (CTF) provides the RequestedUnit (RU) information element in 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 and rating as defined in TS 32.291 [58] subclause 6.1.6.2.1.9.

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| **End of changes** |