**3GPP TSG-SA5 Meeting #134e *S5-206110***

**electronic meeting, online, 16th - 25th November 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **32.290** | **CR** | **0142** | **rev** | **1** | **Current version:** | **16.5.0** |  |
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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 the Quota Management Mode |
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| ***Source to WG:*** | Huawei |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | TEI16 |  | ***Date:*** | 2020-11-20 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | R16 |
|  | *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 message flow of blocking mode and non-blocking mode for session based charging is specifed.The general description for the basic principle of quota management modes(blocking mode and non-blocking mode) should be added. |
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| ***Summary of change:*** |  Clarification on the Quota Management Mode. |
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| ***Consequences if not approved:*** | The blocking mode and Non-blocking mode is unclear. |
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| ***Clauses affected:*** | 5.3.1 |
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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 ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

### 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).

The invocation of the Charging Data Request for start of service, in case there is no valid quota for the rating group, can be done in either blocking mode or non-blocking modeblocking mode:

- blocking mode: the service delivery shall not start before its authorization from CHF;

- non-blocking mode: the service delivery may start before its authorization from CHF.

For invoking the ConvergedCharging service with quota management, the ConvergedCharging service will operate in decentralized unit determination with the provided amounts of the Quota Requested information element otherwise if no amount is included in the Quota Requested information element, the ConvergedCharging service will operate in centralized unit determination and rating.

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| **End of change** |