**3GPP TSG-SA5 Meeting #138-e *S5-214666***

**e-meeting, 23 - 31 August 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.290** | **CR** |  | **rev** | **-** | **Current version:** | **16.8.0** |  |
|  |
| *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:***  | Quota threshold clarification |
| ***、*** |  |
| ***Source to WG:*** | China Mobile Com. Corporation |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | TEI16 |  | ***Date:*** | 2021-08-27 |
|  |  |  |  |  |
| ***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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
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| ***Reason for change:*** | The current description of quota threshold is ambiguous. One understanding is NF Consumer seek re-authorization for the quota when the quota contents fall below the supplied threshold. The other understanding is NF Consumer seek re-authorization for the quota when the utilized quota reach the supplied threshold. |
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| ***Summary of change:*** | Add clear definitions of quota threshold according to TS 32.299. |
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| ***Consequences if not approved:*** | Charging implementation may be incorrect. |
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| ***Clauses affected:*** | 5.4.2 |
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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** |

### 5.4.2 Threshold based re-authorization triggers

The CHF (NF Service Producer) may optionally include an indication to the NF Service Consumer of the remaining quota threshold that shall trigger a quota re-authorization.

If received quota threshold based re-authorization triggers (i.e. timeQuotaThreshold, volumeQuotaThreshold, unitQuotaThreshold), the NF Service Consumer shall seek re-authorization for the quota when the quota contents fall below the supplied threshold.

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| **End of change** |