**3GPP TSG-SA5 Meeting #145-e *S5-225271***

**e-meeting, 15 - 24 August 2022**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **32.290** | **CR** | **0183** | **rev** | **-** | **Current version:** | **17.5.0** |  |
|  | | | | | | | | |
| *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:*** | Correction of use of requested units at suspended | | | | | | | | | |
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| ***Source to WG:*** | Ericsson LM | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2022-08-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-17 |
|  | *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 [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 description of suspended quota management doesn’t describe that the CHF require the CTF to always include the requested units to make it possible to get back to quota managed. | | | | | | | | |
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| ***Summary of change:*** | | Adding a section describing that the CTF shall have a request for quota in the next charging data request. | | | | | | | | |
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| ***Consequences if not approved:*** | | How to resume from suspended quota management is undefined which may lead to interoperability issues. | | | | | | | | |
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| ***Clauses affected:*** | | 5.4.6 | | | | | | | | |
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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** |

### 5.4.6 CHF-controlled quota management

CHF can instruct NF consumer (CTF) to suspend quota management for a given Rating Group and then subsequently the CHF can instruct the NF consumer (CTF) to resume quota management for the given Rating Group with suspended quota management within the charging session.

Upon receiving Charging Data Request [Initial/Update] with usage reporting for a set of rating groups, the CHF may suspend quota management for particular rating groups, by including in Charging Data Response messages for these particular rating groups:

- explicit setting of without quota management or

- granted quotas with appropriate content to ensure the service to continue without further quota management related updates.

In a Charging Data Request all rating group that is reported, and for which quota management was previously suspended, includes a request for units, and the used units will have a quota management indicator stating that these were used during quota management suspended.

CHF may instruct NF consumer (CTF) to resume quota management for a given rating group for which quota management was previously suspended:

- by using Re-authorization procedure or

- by granting quotas in the response to any Charging Data Request [Update] generated in situation quota management triggers are not used, by other existing active triggers of the NF consumer (CTF).

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| **End of changes** |