**3GPP TSG-SA5 Meeting #131e *S5-203037r3***

**e-meeting 25th May-3rd June 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.0* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Add CHF-Controlled Quota Management functionality | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | atrixx, Amdocs | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** |  | | | | |  | ***Date:*** | | | 2020-05-27 |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Add the CHF controlled functionality to suspend and resume the quota management for a given rating group. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | The 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 by existing trigger with corresponding setting of quoto management indication. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No CHF-controlled quota management capability | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.4.X (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **x** | Other core specifications | | | |  | | |
| ***affected:*** | |  | **x** | Test specifications | | | |  | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | | |  | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | |  | | | | | | | | |

|  |
| --- |
| **1st change** |

### 5.4.X 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.

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).

|  |
| --- |
| **End of change** |