**3GPP TSG- Meeting #S5-202277rev4**

**e-meeting 20-28 April 2020**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | |
| **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:*** | Amdocs | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | CHFCQM | | | | |  | ***Date:*** | | | 2020-02-14 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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 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 functionality of suspending and resuming quota management for a given rating group, controlled by CHF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Add section 5.4.X | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | No CHF-controlled quota management capability | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.4 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

|  |
| --- |
| **1st change to TS 32.290** |

## 5.4 Other functionalities

### 5.4.X CHF-Controlled Quota Management

CHF may instruct NF consumer to suspend quota management for a given rating group in the current charging session within charging data reponse message

* without quota management
* granting units, indicating that quota management is suspended, in Charging Data Response message

When quota management was temporary supended for a given rating group, usage reporting for that rating group shall indicate that the quota management was temporarely suspended in Charging Data Request messages [Update].

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

* using Re-authorization procedure.or
* in situation Quota Management triggers are not used, other existing active triggers are used for further usage reporting.

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