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

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

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| **CHANGE REQUEST** |
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|  |  | **CR** |  | **rev** |  | **Current version:** |  |  |
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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:***  | 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 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:*** | Add the functionality of suspending and resuming quota management for a given rating group, controlled by CHF.  |
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| ***Summary of change:*** | Add section 5.4.X |
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| ***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:*** |  |

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| **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.

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| **End of change** |