**3GPP TSG-SA5 Meeting #136-e** ***S5-212237rev2***

**Online, 1st Mar 2021 – 9th Mar 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **32.255** | **CR** | **0294** | **rev** | **1** | **Current version:** | **16.7.0** |  |
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| *For* [***HELP***](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 Termination action  |
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| ***Source to WG:*** | China Mobile Com. Corporation |
| ***Source to TSG:*** | S5 |
|  |  |
| ***Work item code:*** | TEI16 |  | ***Date:*** | 2021-02-22 |
|  |  |  |  |  |
| ***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-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:*** | In clause 5.2.1.8 TS 32.255, 6 cases are defined related to termination action. The termination action can be provided by CHF. However, CHF can only provide FUA for “The final granted units have been used” case. For the other 5 cases, there’s no attribute for CHF to provide a termination action in ChargingDataReponse message.  |
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| ***Summary of change:*** | Limit the usage of CHF provided termination action to FUI scenario.  |
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| ***Consequences if not approved:*** | Charging implementation might be incorrect. |
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| ***Clauses affected:*** | 5.2.1.8 |
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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 ...  |
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| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

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| **First change** |

#### 5.2.1.8 Termination action

The termination action applies only in case of online charging, i.e. quota management is active. It indicates the action, which the UPF should perform when no quota is granted. A packet for a specific rating group is subject to a termination action in the following cases:

- Zero units have been granted;

- The final granted units have been used;

- Quota limit reached;

- End user service rejected;

- End user service denied;

- Rating failed.

The defined termination actions include:

- Allowing the packets to pass through;

- Dropping the packets;

- The SMF Default Termination Action;

- The re-direction of packets to an application server (e.g. defined in the termination action).

NOTE Such a re-direction may trigger a new charging session to be initiated.

A Default Termination Action for all rating groups, for which no quota is granted and there is no specific termination action, shall be pre-configured in the SMF according to operator's policy. For instance, the default behaviour may consist of allowing packets of any terminated service to pass through the UPF.

When final units are granted for a given rating group, the CHF shall provide a termination action using finalUnitAction for this rating group. For the rating group, the CHF provided termination action shall be used instead of SMF pre-configured termination action for “The final granted units have been used” case.

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| **End of change** |