**3GPP TSG-CT WG1 Meeting #123-eC1-20xxxx**

**Electronic meeting, 16-24 April 2020**

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| *CR-Form-v12.0* |
| **CHANGE REQUEST** |
|  |
|  | **27.007** | **CR** | **0688** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network |  |

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|  |
| ***Title:***  | New AT command for deleting packet filters +CGDELPF |
|  |  |
| ***Source to WG:*** | MediaTek Inc. |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | TEI16 |  | ***Date:*** | 2020-04-20 |
|  |  |  |  |  |
| ***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:*** | There’s no AT command to delete a specific packet filter or a specific QoS rule. |
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| ***Summary of change:*** | A new AT command +CGDELPF is introduced for TE to delete a specific packet filter or a specific QoS rule.* To delete a specific packet filter: +CGDELPF=<cid>,<packet filter identifier>,<QRI>
* To delete a specific QoS rule: +CGDELPF=<cid>,,<QRI>
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| ***Consequences if not approved:*** | AT command to delete a specific packet filter or a specific QoS ruleis not supported. |
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| ***Clauses affected:*** | 10.1.x (new) |
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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:*** |  |

\*\*\*\*\* Next change \*\*\*\*\*

### 10.1.x Delete packet filters +CGDELPF

Table 10.1.x-1: +CGDELPF parameter command syntax

| Command | Possible Response(s) |
| --- | --- |
| +CGDELPF=[<cid>[,<packet filter identifier>[,<QRI>]]] | *+CME ERROR: <err>* |
| +CGDELPF? | [+CGDELPF: <cid>,<packet filter identifier>[,<QRI>]][<CR><LF>+CGDELPF: <cid>,<packet filter identifier>[,<QRI>][...]] |
| +CGDELPF=? | +CGDELPF: (range of supported <cid>s),(list of supported <packet filter identifier>s), (range of supported <QRI>s) |

**Description**

The set command allows the TE to specify the packet filter identified by the packet filter identifier <packet filter identifier> to be deleted, or the QoS rule identified by the QoS rule identifier <QRI> to be deleted. To delete a packet filter in 5GS, both the filter identifier <packet filter identifier> and the corresponding QoS rule identifier <QRI> are required. Refer subclause 9.2 for possible <err> values.

A special form of the set command, +CGDELPF=<cid> causes the values for context number <cid> to become undefined. A special form of the set command, +CGDELPF= causes the current settings for each packet filter and QoS rule to become undefined.

The read command returns the current settings for each defined context.

The test command returns the ranges of the supported parameters as compound values.

**Defined values**

<cid>: integer type; specifies a particular QoS flow definition, EPS Traffic Flows definition and a PDP Context definition (see the +CGDCONT and +CGDSCONT commands).

<packet filter identifier>: integer type. Value range is from 1 to 16.

<QRI>: integer type. Identifies the QoS rule, see 3GPP TS 23.501 [165] and 3GPP TS 24.501 [161].

**Implementation**

Optional.