**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** | **0687** | **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 linking packet filters +CGLNKPF | | | | | | | | | |
|  |  | | | | | | | | | |
| ***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 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:*** | | Based on TS 24.301 subclause 6.5.4.2:  If the TFT operation code is set to "Add packet filters to existing TFT", the UE shall include in the parameter list one existing packet filter identifier to which the newly added packet filter(s) is linked.  However, there’s no AT command supports this requirement. | | | | | | | | |
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| ***Summary of change:*** | | A new AT command +CGLNKPF is introduced to support linking packet filters with existing TFT. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | AT command for linking new packet filters with existing TFT is not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.1.x (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

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

### 10.1.x Link packet filters +CGLNKPF

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

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

**Description**

The set command allows the TE to specify the existing packet filter identified by the packet filter identifier <packet filter identifier> of the TFT where new packet filters are added. (see 3GPP TS 24.301 [83] subclause 6.5.4.2). Refer subclause 9.2 for possible <err> values.

A special form of the set command, +CGLNKPF=<cid> causes the packet fileter identifier for context number <cid> to become undefined. A special form of the set command, +CGLNKPF= causes the packet filter identifiers for all the contexts to become undefined.

The read command returns the current settings for each defined packet filter identifier of the TFT where new packet filters are added.

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.

**Implementation**

Optional.