**3GPP TSG-CT WG1 Meeting #137-eC1-22xxxx**

**E-Meeting, 18th – 26th August 2022**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **27.007** | **CR** | **0790** | **rev** | **-** | **Current version:** | **v17.6.0** |  |
|  | | | | | | | | |
| *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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **X** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | AT command for 5GS network attach over non-3GPP access | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Google | | | | | | | | | |
| ***Source to TSG:*** | C1 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5GProtoc18 | | | | |  | ***Date:*** | | | 2022-08-23 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | In 5GS the UE can register to the network over both 3GPP access and non-3GPP access. The existing +CGATT extension is needed to indicate the access type. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | +CGATT is extended to indicate the access typel. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | AT command for registering to 5GS network over non-3GPP access is not supported. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 10.1.00, | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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:*** | |  | | | | | | | | |

**\*\*\*\*\*\*\***

\* \* \* First Change \* \* \* \*

### 10.1.9 PS attach or detach +CGATT

Table 119: +CGATT parameter command syntax

|  |  |
| --- | --- |
| Command | Possible Response(s) |
| +CGATT=<state>[,<Access\_type>] | *+CME ERROR: <err>* |
| +CGATT? | +CGATT: <state>[,<Access\_type>]  [<CR><LF>+CGATT: <state>,<Access\_type>] |
| +CGATT=? | +CGATT: (list of supported <state>s),(list of supported <Access\_type>s) |

**Description**

The execution command is used to attach the MT to, or detach the MT from, the Packet Domain service over the access type indicated by <Access\_type>. If the <Access\_type> parameter is not present, the default access type is 3GPP access. After the command has completed, the MT remains in V.250 command state. If the MT is already in the requested state over the access type indicated by <Access\_type> or over 3GPP access if the <Access\_type> parameter is not present, the command is ignored and the OK response is returned. If the requested state cannot be achieved over the access type indicated by <Access\_type> or over 3GPP access if the <Access\_type> parameter is not present, an ERROR or +CME ERROR response is returned. Extended error responses are enabled by the +CMEE command. Refer clause 9.2 for possible <err> values.

NOTE 1: If the initial PDP context is supported, the context with <cid>=0 is automatically defined at startup, see clause 10.1.0.

Any active PDP contexts will be automatically deactivated over the access type when the attachment state changes to detached.

The read command returns the current Packet Domain service state over each access type. If the <Access\_type> parameter is not present, the default access type is 3GPP access.

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

NOTE 2: This command has the characteristics of both the V.250 action and parameter commands. Hence it has the read form in addition to the execution/set and test forms.

**Defined values**

<state>: integer type; indicates the state of PS attachment

0 detached

1 attached

<Access\_type>: integer type; indicates the access type.

0 indicates the access type is 3GPP access

1 indicates the access type is non-3GPP access

**Implementation**

Optional.

\* \* \* End of Changes \* \* \* \*