**3GPP TSG-CT WG6 Meeting #89-Bis *C6-180413***

**Sophia Antipolis, France, 10th July – 13th July 2018**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v11.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **31.111** | **CR** | **0695** | **rev** | **1** | **Current version:** | **15.3.1** |  |
|  | | | | | | | | |
| *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 | **X** | ME | **X** | Radio Access Network |  | Core Network |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Correct implementation error for terminal profile bits for non-IP data delivery | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Qualcomm Incorporated | | | | | | | | | |
| ***Source to TSG:*** | C6 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI15 | | | | |  | | ***Date:*** | | 2018-07-13 |
|  |  | | | |  | | |  | |  |
| ***Category:*** | **F** |  | | | | | | ***Release:*** | | Rel-15 |
|  | *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:*** | | CR C6-170727 agreed in the past was implemented incorrectly, that is, a terminal profile bit was not assigned dring implementation for non-IP data delivery support. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Correctly assigned a terminal profile bit for non-IP data delivery support. During CR implementation, this exact bit can be used, removing scope for implementation error again. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | There is no way for the ME to indicate non-IP data delivery support in the TERMIMAL PROFILE to the UICC. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 5.2 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **Y** | **N** |  | | |  | | | |
| ***Other specs*** | |  | **X** | Other core specifications | | |  | | | |
| ***affected:*** | |  | **x** | Test specifications | | |  | | | |
| ***(show related CRs)*** | |  | **x** | O&M Specifications | | |  | | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |

## 5.2 Structure and coding of TERMINAL PROFILE

Direction: ME to UICC.

The command header is specified in TS 31.101 [13].

Command parameters/data:

|  |  |  |  |
| --- | --- | --- | --- |
| Description | Clause | M/O/C | Length |
| Profile | - | M | lgth |

- Profile:

Contents:

- The list of USAT facilities that are supported by the ME.

Coding:

- 1 bit is used to code each facility:

- bit = 1: facility supported by ME.

- bit = 0: facility not supported by ME.

NOTE: several bits may need to be set to 1 for the support of the same facility. This is because of backward compatibility with SAT: several options existed in SAT for a given facility, and they are mandatory in USAT when this facility is supported.

First byte (Download):

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | SMS-PP data download |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Cell Broadcast data download |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Bit = 1 if SMS-PP data download is supported |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Bit = 1 if Call Control by USIM is supported |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Bit = 1 if Call Control by USIM is supported |

Second byte (Other):

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Call Control by USIM |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Bit = 1 if Call Control by USIM is supported |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | MO short message control by USIM |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Bit = 1 if Call Control by USIM is supported |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |

…

Thirty-fifth byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Data Connection Status Change Event support – PDP Connection |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Data Connection Status Change Event support – PDN Connection |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | See TS 102 223 [32] clause 5.2 |

Thirty sixth byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | Data Connection Status Change Event support – PDU Connection |
|  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | Event: Network Rejection for NG-RAN |
|  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | Non-IP Data Delivery support (if class "e" and class "ai" are supported) |
|  | |  | | |  | |  | |  | |  | |  | |  | |  | |  | | Reserved for 3GPP (for future usage) |

Thirty seventh byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Reserved for 3GPP (for future usage) |

Thirty eighth byte:

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | b8 | | b7 | | b6 | | b5 | | b4 | | b3 | | b2 | | b1 | |
|  |  | |  | |  | |  | |  | |  | |  | |  | |  | | Reserved for 3GPP (for future usage) |



Subsequent bytes:

- See ETSI TS 102 223 [32] clause 5.2.

Response parameters/data:

- None.

## 5.3 Definition of display parameters in Profile download

See ETSI TS 102 223 [32] clause 5.3.