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

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

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

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|  |
| ***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 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)* |
|  |  |
| ***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) |

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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.