**3GPP TSG-CT WG1 Meeting #133-eC1-21XXXX**

**E-meeting, 11-19 November 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.301** | **CR** | **3638** | **rev** | **1** | **Current version:** | **17.4.1** |  |
|  |
| *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 |  | ME | **X** | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Correction of usage of ePCO by the UE |
|  |  |
| ***Source to WG:*** | Lenovo, Motorola Mobility, Ericsson |
| ***Source to TSG:*** | C1 |
|  |  |
| ***Work item code:*** | TEI17 |  | ***Date:*** | 2021-11-11 |
|  |  |  |  |  |
| ***Category:*** | **F** |  | ***Release:*** | Rel-17 |
|  | *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-15 (Release 15)Rel-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)* |
|  |  |
| ***Reason for change:*** | Current text is not normative. In addition it requires that the PDN type be other than non-IP and Ethernet in order to use extended protocol configuration options which is incorrect since the requirement is the PDN type is non-IP or Ethernet for ePCO usage. |
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| ***Summary of change:*** | The text has been changed to normative text.It is clarified that extended PCO is used when the PDN type is non-IP or Ethernet and not other than non-IP and Ethernet. |
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| ***Consequences if not approved:*** | The error remians in the spec. |
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| ***Clauses affected:*** | 8.3.14.3, 8.3.14.4, 8.3.20.4, 8.3.20.8 |
|  |  |
|  | **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 <<<<<<<<<<

#### 8.3.14.3 Protocol configuration options

This IE shall be included in the message when, during the attach procedure, the UE wishes to transmit security protected (protocol) data (e.g. configuration parameters, error codes or messages/events) to the network, the UE is in WB-S1 mode and the PDN Type requested is different from non-IP and Ethernet.

This IE shall be included if the UE supports local IP address in traffic flow aggregate description and TFT filter, the UE is in WB-S1 mode and the requested PDN Type is different from non-IP and Ethernet.

This IE shall not be included if the Extended protocol configuration options IE is included in the message.

>>>>>>>>>> Next change <<<<<<<<<<

#### 8.3.14.4 Extended protocol configuration options

This IE shall be included in the message when, during the attach procedure, the UE wishes to transmit security protected (protocol) data (e.g. configuration parameters, error codes or messages/events) to the network, and the UE is in NB-S1 mode or the requested PDN Type is non-IP or Ethernet.

This IE shall be included:

a) if the UE supports local IP address in traffic flow aggregate description and TFT filter and the UE is in NB-S1 mode; or

b) the requested PDN Type is non-IP or Ethernet.

This IE shall not be included if the Protocol configuration options IE is included in the message.

>>>>>>>>>> Next change <<<<<<<<<<

#### 8.3.20.4 Protocol configuration options

This IE shall be included in the message when the UEwishes to transmit (protocol) data (e.g. configuration parameters, error codes or messages/events) to the network, the UE is in WB-S1 mode and the PDN Type requested is different from non-IP and Ethernet.

This IE shall be included if the UE supports local IP address in traffic flow aggregate description and TFT filter, the UE is in WB-S1 mode and the requested PDN Type is different from non-IP and Ethernet.

This IE shall not be included if the Extended protocol configuration options IE is included in the message.

>>>>>>>>>> Next change <<<<<<<<<<

#### 8.3.20.8 Extended protocol configuration options

This IE shall be included in the message when the UE wishes to transmit (protocol) data (e.g. configuration parameters, error codes or messages/events) to the network, and the UE is in NB-S1 mode or the requested PDN Type is non-IP or Ethernet.

This IE shall be included:

a) if the UE supports local IP address in traffic flow aggregate description and TFT filter and the UE is in NB-S1 mode; or

b) the requested PDN Type is non-IP or Ethernet.

This IE shall not be included if the Protocol configuration options IE is included in the message.

>>>>>>>>>> End of changes <<<<<<<<<<