**3GPP TSG-CT WG1 Meeting #134-eC1-22xxxx**

**E-Meeting, 17th – 25th February 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **24.193** | **CR** | **0072** | **rev** | **2** | **Current version:** | **17.3.0** |  |
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| *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:***  | Abnormal handling for adding PDN leg to an MA PDU session already with non-3GPP leg |
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| ***Source to WG:*** | MediaTek Inc. |
| ***Source to TSG:*** | C1 |
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| ***Work item code:*** | ATSSS\_Ph2 |  | ***Date:*** | 2022-02-09 |
|  |  |  |  |  |
| ***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)* |
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| ***Reason for change:*** | It is proposed that the default EPS bearer critical parameters need to be synced with the stored PDU session parameter of the MA PDU session with non-3GPP leg. Otherwise the UE error case handling for this scenario should be defined. |
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| ***Summary of change:*** | It is proposed that UE does not accept the ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST by sending the ACTIVATE DEFAULT EPS BEARER CONTEXT REJECT and locally releases the MA PDU session if critical parameters of the PDN are not in sync with the parameters of the non-3GPP leg |
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| ***Consequences if not approved:*** | When the PDN leg parameters are not in sync with non-3GPP leg parameters, the handling of the error case is not specified. |
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| ***Clauses affected:*** | 5.3.X(new) |
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|  | **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 ...  |
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| ***Other comments:*** |  |
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| ***This CR's revision history:*** | Rev2: Move the changes to a new “Abnormal cases in the UE” subclause, and make the release of the MA PDU session as optional behavior. |

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

### 5.3.X Abnormal cases in the UE

The following abnormal cases can be identified:

a) For an MA PDU session already established over non-3GPP access, upon receipt of the ACTIVATE DEFAULT EPS BEARER CONTEXT REQUEST message, if any of the following conditions is not fulfilled:

1) the "PDN type value" of the PDN address IE is set to

i) "IPv4" and the stored PDU session type of the MA PDU session is set to "IPv4";

ii) "IPv6" and the stored PDU session type of the MA PDU session is set to "IPv6";

iii) "IPv4v6" and the stored PDU session type of the MA PDU session is set to "IPv4v6"; or

iv) "Ethernet" and the stored PDU session type of the MA PDU session is set to "Ethernet";

2) the PDN address in "PDN address information" of the PDN address IE is the same as the stored PDU address of the MA PDU session;

3) the stored selected SSC mode of the MA PDU session is set to "SSC mode 1";

4) the ESM cause IE is:

i) not included and there is no stored 5GSM cause of the MA PDU session;

ii) set to #50 "PDN type IPv4 only allowed" and the stored 5GSM cause of the MA PDU session is set to #50 "PDU session type IPv4 only allowed";

iii) set to #51 "PDN type IPv6 only allowed" and the stored 5GSM cause of the MA PDU session is set to #51 "PDU session type IPv6 only allowed"; or

iv) set to #52 "single address bearers only allowed" and there is no stored 5GSM cause of the MA PDU session;

5) the S-NSSAI is included by the network in the Protocol configuration options IE or Extended protocol configuration options IE and is the same as the stored S-NSSAI value of the MA PDU session; and

6) the APN maps to the same DNN as the stored DNN of the MA PDU session;

the UE shall send ACTIVATE DEFAULT EPS BEARER CONTEXT REJECT message to the network as specified in clause 6.4.1.4 of 3GPP TS 24.301 [10], may perform a local release of the MA PDU session and the registration procedure for mobility and periodic registration update with a REGISTRATION REQUEST message including the PDU session status IE over non-3GPP access.

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