**3GPP TSG-WG SA2 Meeting #156-e *S2-2304487***

**Elbonia, April 17 – 21, 2023 (revision of S2-230xxxx)**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.501** | **CR** | **4326** | **rev** | **1** | **Current version:** | **18.1.0** |  |
|  |
| *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)*.* |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network |  | Core Network | **X** |

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| ***Title:***  | Solve the EN about handling of the PEMC in 5GC in relation with PIN |
|  |  |
| ***Source to WG:*** | [Huawei, HiSilicon], vivo |
| ***Source to TSG:*** | SA2 |
|  |  |
| ***Work item code:*** | PIN |  | ***Date:*** | 2023-05-12 |
|  |  |  |  |  |
| ***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 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-16 (Release 16)Rel-17 (Release 17)Rel-18 (Release 18)Rel-19 (Release 19)* |
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| ***Reason for change:*** | There is Editor’s Note about handling of PEMC in 5GC in relation with PIN. SA2 has concluded that there is no PEMC specific subscription in 5GC. Therefore, 5GC is not aware of PEMC role. In this case, the traffic between PEMC and PEGC will be transmitted via application layer and user plane over N6.  |
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| ***Summary of change:*** | Delete the Editor’s Note without any changes in the TS. |
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| ***Consequences if not approved:*** | Whether and how to handle PEMC in 5GC is not clear. |
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| ***Clauses affected:*** | 5.44.3.1 |
|  |  |
|  | **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 \* \* \* \*

### 5.44.3 Session management enhancement for PIN service support

#### 5.44.3.1 PDU Session Establishment for PIN

When a PDU Session associated with a PIN is established by UE with PEGC, an SMF is selected according to clause 4.3.2.2.3 of TS 23.502 [3]. The UE with PEGC may use IP address allocation methods as specified in clause 5.8.2.2 (e.g. IPv6 Prefix Delegation feature).

One PEGC may serve more than one PINs and in this case the PEGC shall have at least one PDU Session for each PIN if the PIN traffic is via PEGC/5GC. One PIN may be served by more than one PDU sessions in the PEGC.

Editor's note: How and whether to handle the case where PINs share a PDU session and local switching is FFS.

Editor's note: One PIN served by more than one PDU sessions in PEGC is FFS.

NOTE X: The PEGCs and PEMCs of a PIN can be included in a 5G VN group described in clause 5.29.2 and use 5G VN group communication described in clause 5.29.3 and 5.29.4 to enable the PIN management communication among them via 5GS.

\* \* \* \* End of changes \* \* \* \*