**3GPP TSG-SA WG2 Meeting #158S2-2309539**

**Goteborg, Sweden, 21 - 25 August, 2023 (revision of S2-2308656)**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **23.501** | **CR** | **4761** | **rev** | **1** | **Current version:** | **18.2.2** |  |
|  | | | | | | | | |
| *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:*** | Make PIN ID unique in PLMN | | | | | | | | | |
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| ***Source to WG:*** | vivo | | | | | | | | | |
| ***Source to TSG:*** | SA2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | PIN | | | | |  | ***Date:*** | | | 2023-08-11 |
|  |  | | | |  | |  | | |  |
| ***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 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-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | The NOTE in agreed CR4287R6 is missed in the implementation of clause 5.44.4 “Identifiers for PIN” in 23.501 v18.2.2.  Although the PIN ID is transparent to 5GC, but it shall be unique in a PLMN, otherwise different PIN configuration with same PIN ID may occur in URSP, which cause URSP configuration conflict.  The PIN ID provided by AF is unique in PLMN as described in SA6 spec, but PIN ID also can be configured in local configuration or UE policy control subscription information by PLMN as agreed in this meeting, SA2 also needs to specify that PIN ID is unique in PLMN so that PLMN will not configure same PIN ID for different PIN. | | | | | | | | |
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| ***Summary of change:*** | | 1. Add the missing NOTE back and clarify that the “application layer ID” is part of the PIN ID provided by AF.  2. Add the text of “PIN ID is unique in a PLMN”  3. Editorally change “PEGC UEs” to “PEGCs” | | | | | | | | |
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| ***Consequences if not approved:*** | | PIN ID may not be unique in a PLMN and cause conflict in URSP configuration | | | | | | | | |
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| ***Clauses affected:*** | | 5.44.4 | | | | | | | | |
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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 ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | |  | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | Rev 1: Remove the structure proposal of PIN ID | | | | | | | | |

\* \* \* \* 1st change \* \* \* \*

5.44.4 Identifiers for PIN

A PIN is managed at the PIN application layer. In 5GS, a PIN ID is unique in a PLMN and only used in the traffic descriptor of URSP rules, for routing traffic of specific PIN towards a dedicated (DNN, S-NSSAI) combination.

NOTE: The PIN ID provided by AF for PIN contains a value of application layer ID.

If a PIN contains more than one PEGCs, the list of PEGCs may be grouped together following the 5G VN group management principles as specified in clause 5.29.2. Then the PEGCs of a PIN can be identified by an External Group ID by the AF for PIN. The AF for PIN may use the External Group ID to manage the list of PEGC that are part of a PIN and for providing URSP guidance and/or QoS requests applicable to all the PEGCs.

\* \* \* \* end of change \* \* \* \*