**3GPP TSG-SA2 Meeting #154 Adhoc *S2-22xxxxx***

**EMEETING, 16th – 22nd January, 2023**

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| *CR-Form-v12.2* |
| **CHANGE REQUEST** |
|  |
|  | **23.502** | **CR** | **-** | **rev** | **-** | **Current version:** | **18.0.0** |  |
|  |
| *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 | **X** | Radio Access Network |  | Core Network | **X** |

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|  |
| ***Title:***  | Skeleton of PIN - 23.502 |
|  |  |
| ***Source to WG:*** | vivo |
| ***Source to TSG:*** | SA2 |
|  |  |
| ***Work item code:*** | PIN |  | ***Date:*** | 2023-01-16 |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | 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)* |
|  |  |
| ***Reason for change:*** |  |
|  |  |
| ***Summary of change:*** |  |
|  |  |
| ***Consequences if not approved:*** |  |
|  |  |
| ***Clauses affected:*** |  |
|  |  |
|  | **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:*** | 1st: **New sub-clauses** for procedures of PIN service, which is under “4 System procedures” clause2nd: (FFS) For supporting internal AF for PIN, new service operations of UDM3rd: Service operations of PCF for PIN. (FFS) For supporting internal AF for PIN, new service operations of PCF may be needed as an alternative to 2nd change4th: Service operations of NEF for PIN 5th: Service operations of UDR for PIN, may using existing service operations with additional parameters |

\* \* \* \* 1st change (new text) \* \* \* \*

4.X Procedures for Personal IoT Networks

4.X.1 General

TBD.

4.X.2 PIN Session management

4.x.2.1 PIN Session creation

TBD.

4.x.2.2 PIN Session update

TBD.

4.x.2.3 PIN Session deletion

TBD.

4.x.2.4 PIN Session activation

##### 4.x.2.4.1 General

TBD.

##### 4.x.2.4.2 PIN Session activation triggered by AF

TBD.

##### 4.x.2.4.3 PIN Session activation triggered by downlink data

TBD.

##### 4.x.2.4.4 PIN Session activation triggered by PEGC

TBD.

4.x.2.5 PIN Session deactivation

##### 4.x.2.5.1 General

TBD.

##### 4.x.2.5.2 PIN Session deactivation triggered by AF

TBD.

##### 4.x.2.5.3 PIN Session deactivation triggered by PEGC

TBD.

4.X.3 PIN communication configuration

4.x.3.1 PIN communication configuration triggered by (PIN) AF

TBD.

4.x.3.2 PIN communication configuration triggered by PEGC

TBD.

\* \* \* \* 2nd change (FFS) \* \* \* \*

5.2.3 UDM Services

5.2.3.1 General

The following table illustrates the UDM Services and Service Operations.

**Table 5.2.3.1-1: NF services provided by UDM**

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\* \* \* \* 3rd change \* \* \* \*

5.2.5 PCF Services

5.2.5.1 General

The following table illustrates the PCF Services.

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\* \* \* \* 4th change \* \* \* \*

5.2.6 NEF Services

5.2.6.1 General

The following table shows the NEF Services and Service Operations:

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\* \* \* \* 5th change \* \* \* \*

5.2.12 UDR Services

5.2.12.1 General

The following Data Set Identifiers shall be considered in this release: Subscription Data, Policy Data, Application data and Data for Exposure. The corresponding Data Subset Identifiers and Data (Sub)Key(s) are defined in Table 5.2.12.2.1-1.

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