**3GPP TSG-SA3 Meeting #107-e *S3-220770***

**e-meeting, 16 - 20 May 2022**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.535** | **CR** | **129** | **rev** | **-** | **Current version:** | **17.5.0** |  |
|  |
| *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:***  | Clarification on the description about AAnF |
|  |  |
| ***Source to WG:*** | China Telecom |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | AKMA |  | ***Date:*** | 2022-05-05 |
|  |  |  |  |  |
| ***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:*** | SUPI is not a mandatory parameter for AFs, since anonymous user access to the AF is desirable in some senarios. |
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| ***Summary of change:*** | This CR proposes to clarify the description of AAnF. |
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| ***Consequences if not approved:*** | The description of sending SUPI to AF will cause a misunderstanding and is not consistent with the following contents in procedures. |
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| ***Clauses affected:*** | 4.2.1 |
|  |  |
|  | **Y** | **N** |  |  |
| ***Other specs*** |  |  |  Other core specifications  | TS/TR ... CR ...  |
| ***affected:*** |  |  |  Test specifications | TS/TR ... CR ...  |
| ***(show related CRs)*** |  |  |  O&M Specifications | TS/TR ... CR ...  |
|  |  |
| ***Other comments:*** |  |
|  |  |
| ***This CR's revision history:*** |  |

**\*\*\*\*** START CHANGE **\*\*\*\***

## 4.2 Network elements

### 4.2.1 AAnF

The AAnF is the anchor function in the HPLMN. The AAnF stores the AKMA Anchor Key (KAKMA) and SUPI for AKMA service, which is received from the AUSF after the UE completes a successful 5G primary authentication. The AAnF also generates the key material to be used between the UE and the Application Function (AF) and maintains UE AKMA contexts. The AAnF may send SUPI or GPSI of the UE to AF located inside the operator's network according to the needs of AF or sends to NEF as mandatory. **\*\*\*\*** END OF CHANGE **\*\*\*\***