3GPP TSG-SA3 Meeting #104-e *S3-212822-r2*

**e-meeting, 16 - 27 August 2021**

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | 33.535 | **CR** | 0096 | **rev** |  | **Current version:** | 17.2.1 |  |
|  |
| *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 |  |

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| ***Title:***  | Addressing the roaming requirements  |
|  |  |
| ***Source to WG:*** | China Mobile |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** |   |  | ***Date:*** | 2021-08-06 |
|  |  |  |  |  |
| ***Category:*** | F |  | ***Release:*** | 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:*** | Since the roaming subscriber is able to connect to the AF anyhow via the application layer connection, which is out of 3GPP scope, there is no issue for the roaming subscriber to use AKMA.Besides, when the AF is located in the visited network, no matter it is inside the operator domain or outside the operator domain, it is able to contact AAnF. When the AF is located inside the network operator domain, the AF connects to the AAnF via SEPP. When the AF is located outside the network operator domain, it connects to the AAnF via NEF.Considering above, there are no issues of roaming in AKMA, thus the NOTE can be deleted. |
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| ***Summary of change:*** | Deletion of the NOTE: Roaming aspects are not considered in the present document. |
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| ***Consequences if not approved:*** | Roaming aspects is not addressed in AKMA. |
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| ***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 CHANGE **\*\*\*\***

## 4.4 Security requirements and principles for AKMA

## 4.4.0 General

The following security requirements are applicable to AKMA:

- AKMA shall reuse the same UE subscription and the same credentials used for 5G access.

- AKMA shall reuse the 5G primary authentication procedure and methods specified in TS 33.501 [2] for the sake of implicit authentication for AKMA services.

 - The SBA interface between the AAnF and the AUSF shall be confidentiality, integrity and replay protected.

- The SBA interface between AAnF and AF/NEF shall be confidentiality, integrity and replay protected.

- The AKMA Application Key (KAF) shall be provided with a maximum lifetime.

**\*\*\*\*** 2nd CHANGE **\*\*\*\***

## 4.4.X Requirements on roaming

The requirements on roaming are:

- The roaming subscriber shall be able to utilize the application function (AF) that is is in the home network.

- The subscriber shall be able to utilize the application function (AF) that is in a visited network.

Editor’s Note: It’s FFS on how to meet LI requirements.