**3GPP TSG-SA3 Meeting #106-e S3-220087-r1**

**e-meeting, 14 – 25 February 2022** Revision of S3-21XXXX

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.535** | **CR** | 115 | **rev** | **-** | **Current version:** | **17.4.0** |  |
|  |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm%22%20%5Cl%20%22_blank)*** *on using this form: comprehensive instructions can be found at <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:***  | Add a Note about the Kaf refresh |
|  |  |
| ***Source to WG:*** | ZTE |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | AKMA |  | ***Date:*** | 2022-02-06 |
|  |  |  |  |  |
| ***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:*** | In C1-220848, a NOTE is agreed about Kaf refresh: NOTE: How a fresh key is derived for AKMA is up to implementation. It is propose to add a Note to align with CT1. |
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| ***Summary of change:*** | This CR proposes to add one note about the Kaf refresh issue. |
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| ***Consequences if not approved:*** | Kaf refresh in AKMA is not clear. |
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| ***Clauses affected:*** | 6.4.3 |
|  |  |
|  | **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:*** |  |

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Start changes \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

### 6.4.3 KAF refresh

Ua\* protocol may support refresh of KAF. If the Ua\* protocol supports refresh of KAF, the AF may refresh the KAF at any time using the Ua\* protocol.

NOTE: How a fresh key is derived for AKMA is up to Ua\* protocol implementation.

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