**3GPP TSG-SA3 Meeting #119AdHoc-e draft\_S3-250115-r1**

Online, Electronic meeting, 13 -16 January 2025

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| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.122** | **CR** | **draft** | **rev** | **-** | **Current version:** | **18.4.0** |  |
|  |
| *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:***  | Draft CR on TS 33.122 |
|  |  |
| ***Source to WG:*** | Xiaomi |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | CAPIF\_Ph3-sec |  | ***Date:*** | 2025-01-05- |
|  |  |  |  |  |
| ***Category:*** | **B** |  | ***Release:*** | Rel-19 |
|  | *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)* |
|  |  |
| ***Reason for change:*** | The CR provides security for CAPIF 6/6e reference point |
|  |  |
| ***Summary of change:*** | The CR provides the security mechanism to protect CAPIF 6/6e reference point. |
|  |  |
| ***Consequences if not approved:*** | CAPIF 6/6e reference point is not secured |
|  |  |
| ***Clauses affected:*** | 6.6, 6.10 |
|  |  |
|  | **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:*** |  |

\* \* \* First Change \* \* \* \*

## 6.6 Security procedures for CAPIF-3/4/5/6 reference points

To ensure security of the interfaces between CAPIF entities within a trusted domain, namely CAPIF-3, CAPIF-4, CAPIF-5, and CAPIF-6:

- TLS shall be used to provide integrity protection, replay protection and confidentiality protection. The support of TLS is mandatory. Security profiles for TLS implementation and usage shall follow the provisions given in TS 33.310 [2], Annex E.

- Certificate based mutual authentication shall be performed between the CAPIF entities using TLS. Certificate based authentication shall follow the profiles given in 3GPP TS 33.310 [2], subclauses 6.1.3a and 6.1.4a. The structure of the PKI used for the certificate is out of scope of the present document.

NOTE: It is up to the domain administrator's policy to protect interfaces within the trusted domain.

\* \* \* Next Change \* \* \* \*

## 6.10 Security procedures for CAPIF-3e/4e/5e/6e reference points

To ensure security of the interfaces between CAPIF entities between different trusted domains (CCF domain and API Provider Domain), namely CAPIF-3e, CAPIF-4e, CAPIF-5e, and CAPIF-6e:

- 3GPP TS 33.210 [10] shall be applied to secure messages on the reference points specified otherwise; and

- 3GPP TS 33.310 [2] may be applied regarding the use of certificates with the security mechanisms of 3GPP TS 33.210 [10] unless otherwise specified in the present document.

SEG as specified in 3GPP TS 33.210 [10] may be used in the trusted domain to terminate the IPsec tunnel.

\* \* \* End of the Changes \* \* \* \*