**3GPP TSG-SA3 Meeting # *-r2***

**, , - January 2024**

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| *CR-Form-v12.2* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **26** | **CR** |  | **rev** | **2** | **Current version:** |  |  |
|  | | | | | | | | |
| *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:*** | specific to SMSF | | | | | | | | | |
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| ***Source to WG:*** |  | | | | | | | | | |
| ***Source to TSG:*** |  | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | SCAS\_5G\_SMSF | | | | |  | ***Date:*** | | |  |
|  |  | | | |  | |  | | |  |
| ***Category:*** |  |  | | | | | ***Release:*** | | |  |
|  | *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 can be 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)* | |
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| ***Reason for change:*** | | New annexure describes aspects/assets specific to network product class SMSF. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Introduction, minimum set of functions defining SMSF network product and the critical assets of the SMSF are added in this annexure. | | | | | | | | |
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| ***Consequences if not approved:*** | | Legacy interfaces assests are mentioned and if not protected, could lead to security breach and network hampering attacks | | | | | | | | |
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| ***Clauses affected:*** | | Annexure x (new) | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 of the Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Annex x:   
Aspects specific to the network product class SMSF

# x.y Network product class description for the SMSF

## x.y.1 Introduction

The present document captures the network product class descriptions, threats and critical assets that have been identified in the course of the work on 3GPP security assurance specifications. The main body of the present document contains generic aspects that apply to more than one network product class, while this annexure covers the aspects specific to the SMSF network product class.

## x.y.2 Minimum set of functions defining the SMSF network product class

As part of the SMSF network product, it is expected that the SMSF contains SMSF application, a set of running processes (typically more than one) executing the software package for the SMSF functions and OAM functions that are specific to the SMSF network product model. Functionalities specific to the SMSF network product introduce additional critical assets and/or threats as described below.

Note: For the purposes of the present document, this common set is defined to be the list of functions contained in clause 6.2.13 TS 23.501 [31].

# x.z Assets and threats specific to the SMSF

## x.z.1 Critical assets

In addition to the critical assets of a GNP described in clause 5.2 of the TS 33.926 [7] document, the critical assets specific to the SMSF to be protected are:

- SMSF Application;

- NF and User Data: e.g. NF capabilities and events, network and user sensitive information (e.g., UeSMSContextData like supi, gpsi, ueLocation etc.), data retrieved from UDM, etc.

- The interfaces of SMSF to be protected and which are within SECAM scope:

- Service based interface for providing services to AMF, SMS-GMSC, IP-SM-GW, SMS-Router

- Service based interface for consuming services from AMF, UDM

- Reference point interface SGd (Diameter-based) with IP-SM-GW, SMS-GMSC, SMS- router

- MAP-based SS7 interface with IP-SM-GW/GMSC/SMS- router

- Console interface, for local access: local interface on SMSF

- OAM interface, for remote access: interface between SMSF and OAM system

- SMSF Software: binary code or executable code

NOTE 2: SMSF files may be any file owned by a user (root user as well as non-root uses), including User account data and credentials, Log data, configuration data, OS files, SMSF application, NF and User data, or SMSF Software.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* End of the Change \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*