**3GPP TSG-SA3 Meeting #104-e *draft\_S3-213270-r1***

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

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.501** | **CR** | **draft-CR** | **rev** | **-** | **Current version:** | **<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 | **x** |

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| ***Title:*** | Security aspects of 5MBS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, HiSilicon | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS | | | | |  | ***Date:*** | | | 2021-09-03 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **B** |  | | | | | ***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 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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | Security aspects for the Enhanced support of Non-Public Networks need to be specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | MBSF and MBSTF are introduced to support MBS in 5G. The security requirement for this two entities and the protection of the interface are needed.  The contribution adds skeleton and security aspects related to the MBSF/MBSTF and the interface.  Change history of the living document:  SA3#104-e:   * S3-212715 (Skeleton for 5MBS) * S3-212716 (Security protection between AF and 5GC) | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Security aspects are absent for MBS. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | New Annex clause | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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 CHANGES

Annex X (normative): Multicast/Broadcast Service for 3GPP service

X.1 General

Editor's Note: This clause will describe the general part on Multicast/Broadcast Service.

X.2 Security requirements

Editor's Note: This clause will describe security requirements and features of Multicast/Broadcast Service.

X.2.1 Requirements of MBSF

The security requirements on the NEF described in clause 5.9.2.3 of this document also apply to MBSF.

X.2.2 Requirements of MBSTF

The security requirements on the NEF described in clause 5.9.2.3 of this document also apply to MBSTF.

X.3 Security mechanisms for xMB-C/MB2-C and xMB-U/MB2-U interface

The security aspects defined in clause 12 in TS 33.501[6] is applicable for both NEF, xMB-C/MB2-C and xMB-U/MB2-U. TLS based solution are reused to protect the interface between AF and 5GC in MBS.

\*\*\*\*\*\*\*\*\*\*\*\* END OF CHANGES