**3GPP TSG-SA3 Meeting #104-e ad-hoc *draft-S3-213331-r1***

e-meeting, 27 - 30 September 2021

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.501** | **CR** | **draft-CR** | **rev** | **-** | **Current version:** | **17.2.1** |  |
|  | | | | | | | | |
| *For* ***[HE](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_blank)******[LP](http://www.3gpp.org/3G_Specs/CRs.htm" \l "_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:*** | Security mechanisms for interworking between 5G MBS and eMBMS | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | ZTE | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5MBS | | | | |  | ***Date:*** | | | 2021-09-16 |
|  |  | | | |  | |  | | |  |
| ***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:*** | | TS 23.247 has specified the mechanism for the interworking between 5G MBS and eMBMS. Security aspects for the interworking between 5G MBS and eMBMS need to be specified. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | * Add a sub clause about security for interworking between 5G MBS and eMBMS | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Security aspect for interworking is 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.

X.y Security mechanisms for interworking between 5G MBS and eMBMS

Interworking between 5G MBS and eMBMS is supported at service layer. The procedures for inter system mobility with interworking at service layer is specified in clause 7.4 in TS 23.247 [xx]

The joint BM-SC+MBSF/MBSTF functionality provides the security protection for MBS traffic.The BM-SC functionality authenticate and authorize a user. \*\*\*\*\*\*\*\*\*\*\*\* END OF CHANGES\*\*\*\*\*\*\*\*