**3GPP TSG-SA WG3 Meeting #101-e draft\_S3-203068-r1**

**e-meeting, 9 – 20 November 2020**

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| *CR-Form-v11.4* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.501** | **CR** | **0978** | **rev** | **1** | **Current version:** | **16.4.0** |  |
|  | | | | | | | | |
| *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:*** | Clarification on security policy configuration for 5G LAN services | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | Huawei, Hisilicon | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | Vertical\_LAN\_SEC | | | | |  | ***Date:*** | | | 2020-10-22 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-16 |
|  | *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-12 (Release 12)* *Rel-13 (Release 13) Rel-14 (Release 14) Rel-15 (Release 15) Rel-16 (Release 16)* | |
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| ***Reason for change:*** | | As described in the clause K.3 of TS33.501, it is required that “To reduce incremental complexity added by security, all PDU sessions associated with a specific 5G LAN group should have the same UP security policy.”.  Considering that security policy received from UDM will be taken as the priority, it is proposed to configure the policy in the UDM as one option to avoid any potential inconsistency of 5G LAN security policies in the future.  Furthermore, SMF does not need to obtain any information for security policy decision. Hence, the existing EN in the clause K.3 can be removed. | | | | | | | | |
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| ***Summary of change:*** | | Clarification on one way to configure the 5G LAN security policy  Removing the EN in clause K.3. | | | | | | | | |
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| ***Consequences if not approved:*** | | Unclear specification. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | K.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:*** | |  | | | | | | | | |

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

Annex K (normative):  
Security for 5GLAN services

# K.1 General

5GLAN services are described in 3GPP TS 23.501 [2] and 3GPP TS 23.502 [8].

# K.2 Authentication and authorization

For authentication and authorization of a UE in 5G LAN communication, the secondary authentication procedures between UE and external data networks via the 5G Network as described in clause 11 shall apply.

# K.3 Handling of UP security policy

To reduce incremental complexity added by security, all PDU sessions associated with a specific 5G LAN group should have the same UP security policy. When generating the policy enforcement information, and to avoid the redundant double protection, the SMF may consider information by a DN-AAA about DN protection mechanisms already applied.

NOTE: The security policy for the 5G LAN group can be configured in the UDM. The SMF receives the UP security policy from the UDM, and forwards the received security policy to the gNB during the PDU session establishment procedure.

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