**3GPP TSG-SA3 Meeting #107-e *S3-220978r1***

**e-meeting, 16 - 20 May 2022**

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| --- |
| *CR-Form-v12.1* |
| **CHANGE REQUEST** |
|  |
|  | **33.256** | **CR** | **0008** | **rev** | **1** | **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 | **x** | Radio Access Network |  | Core Network | **x** |

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|  |
| ***Title:***  | Adding text for the Overview clause  |
|  |  |
| ***Source to WG:*** | Qualcomm Incorporated |
| ***Source to TSG:*** | S3 |
|  |  |
| ***Work item code:*** | ID\_UAS |  | ***Date:*** | 2022-05-03 |
|  |  |  |  |  |
| ***Category:*** |  |  | ***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 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:*** | Text in Overview clause is missing  |
|  |  |
| ***Summary of change:*** | Overview text added  |
|  |  |
| ***Consequences if not approved:*** | Overview text missing which provide reference to UAS architecture |
|  |  |
| ***Clauses affected:*** | 4 |
|  |  |
|  | **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 \*\*\*\***

4 Overview

TS 23.256 [3] describes the architecture enhancements for supporting Uncrewed Aerial Systems (UAS).TS 23.256 [3] contains the reference architecture and message flows to support this new functionality for UAVs. The present document describes the security of these new features including:

- Authentication and authorization of a Uncrewed Aerial Vehicle (UAV) with the UAS Service Supplier (USS) during 5GS registration;

- Authentication and authorization of a PDU session establishment and PDN connection establishment with the USS;

- Support re-authentication, re-authorisation and revocation of the above;

- Support for USS authorization of pairing of UAVs and UAV-Cs; and

- Support for authorisation of providing location information and providing network based location to mitigate against UAVs reporting false location data.

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