**3GPP TSG-SA3 Meeting #111 S3-23xxx**

**Berlin, Germany, 22 - 26 May 2023**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *CR-Form-v12.1* | | | | | | | | |
| **DRAFT CHANGE REQUEST** | | | | | | | | |
|  | | | | | | | | |
|  | **33.503** | **CR** | **draft-CR** | **rev** | **-** | **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)*.* | | | | | | | | |
|  | | | | | | | | |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Proposed change affects:*** | UICC apps |  | ME | **x** | Radio Access Network |  | Core Network | **x** |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | | | | | | | |
| ***Title:*** | Living document for 5G\_ProSe\_Ph2 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Source to WG:*** | CATT | | | | | | | | | |
| ***Source to TSG:*** | S3 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | 5G\_ProSe\_Ph2 | | | | |  | ***Date:*** | | | 2023-04-17 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | B |  | | | | | ***Release:*** | | | Rel-18 |
|  | *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:*** | | New WID on Security Aspects of Proximity-based Services in 5GS Phase 2 was approved in TSG SA Meeting #SP-99.  To begin normative work, a skeleton should be proposed for organizing the normative work approved in TR 33.740 in TS 33.503. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Summary of change:*** | | Skeleton for the security normative work of 5G\_ProSe\_Ph2 | | | | | | | | |
|  | |  | | | | | | | | |
| ***Consequences if not approved:*** | | Normative work cannot be started. | | | | | | | | |
|  | |  | | | | | | | | |
| ***Clauses affected:*** | | 6.1.3, 6.3, 6 | | | | | | | | |
|  | |  | | | | | | | | |
|  | | **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\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.1.3.3 5G ProSe UE-to-UE Relay Discovery

##### 6.1.3.3.1 General

Editor’s Note: This clause describes the general description of the security of 5G ProSe UE-to-UE Relay Discovery.

##### 6.1.3.3.2 Security flows

###### 6.1.3.3.2.1 Security procedure for 5G ProSe UE-to-UE Relay Discovery with Model A

Editor’s Note: This clause describes the security procedure for 5G ProSe UE-to-UE Relay Discovery with Model A.

###### 6.1.3.3.2.2 Security procedure for 5G ProSe UE-to-UE Relay Discovery with Model B

Editor’s Note: This clause describes the security procedure for 5G ProSe UE-to-UE Relay Discovery with Model B.

\*\*\*\*\*\*\*\*\*\*\*\* NEXT CHANGE\*\*\*\*\*\*\*\*\*\*\*\*

### 6.3.6 Security for emergency service from 5G ProSe Remote UE via 5G ProSe UE-to-Network Relay

Editor’s Note: This clause describes the security procedure for emergency service from 5G ProSe Remote UE via 5G ProSe UE-to-Network Relay.

\*\*\*\*\*\*\*\*\*\*\*\* NEXT CHANGE\*\*\*\*\*\*\*\*\*\*\*\*

## 6.6 Security for 5G ProSe UE-to-UE Relay Communication

### 6.6.1 General

Editor’s Note: This clause describes the general description of the security for 5G ProSe UE-to-UE Relay Communication.

### 6.6.2 Security requirements

Editor’s Note: This clause describes the security requirements for 5G ProSe UE-to-UE Relay Communication.

### 6.6.3 Security for 5G ProSe Communication via 5G ProSe Layer-3 UE-to-UE Relay

#### 6.6.3.1 Security of 5G ProSe PC5 Communication for 5G ProSe Layer-3 UE-to-UE Relay with network assistance

Editor’s Note: This clause describes the security procedure for 5G ProSe PC5 Communication when the 5G ProSe Layer-3 UE-to-UE Relay is in coverage.

#### 6.6.3.2 Security of 5G ProSe PC5 Communication for 5G ProSe Layer-3 UE-to-UE Relay without network assistance

Editor’s Note: This clause describes the security procedure for 5G ProSe PC5 Communication when the 5G ProSe Layer-3 UE-to-UE Relay is out of coverage.

#### 6.6.3.3 Selection between mechanisms with or without network assistance

Editor’s Note: The choice and co-existence of the security mechanisms in different use cases (i.e., U2U Relay in and out of coverage) is FFS.

#### 6.6.3.4 Identity privacy for communication for 5G ProSe Layer-3 UE-to-UE Relay

Editor’s Note: This clause describes security solution for protecting identity privacy for communication for 5G ProSe Layer-3 UE-to-UE Relay.

### 6.6.4 Security for 5G ProSe Communication via 5G ProSe Layer-2 UE-to-UE Relay

Editor’s Note: This clause describes the security procedure for 5G ProSe Communication via 5G ProSe Layer-2 UE-to-UE Relay.

#### 6.6.4.1 Security procedure for 5G ProSe Layer-2 UE-to-UE Relay

Editor’s Note: This clause describes the security procedure for 5G ProSe Layer-2 UE-to-UE Relay.

### 6.6.5 Security for 5G ProSe UE-to-UE Relay Communication with integrated Discovery

Editor’s Note: This clause describes the security procedure for 5G ProSe UE-to-UE Relay Communication with integrated Discovery.

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