3GPP TSG SA WG3 Meeting #104-e S3-212705-r1

e-meeting, 16 – 27 August 2021 (revision of S3-21xxxx)

**Source: Huawei, HiSilicon, China Mobile, China Unicom, China Telecom, Nokia, Nokia Shanghai Bell, Futurewei Techonogies**

**Title: New WID on user consent for 3GPP services**

**Document for: Approval**

**Agenda Item: 4.27**

3GPP™ Work Item Description

Information on Work Items can be found at <http://www.3gpp.org/Work-Items>
See also the [3GPP Working Procedures](http://www.3gpp.org/specifications-groups/working-procedures), article 39 and the TSG Working Methods in [3GPP TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm)

Title: Security aspects on User Consent for 3GPP services

Acronym: UC3S\_SEC

Unique identifier: xxxxxx

Potential target Release: *{Rel-17}*

# 1 Impacts

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Affects: | UICC apps | ME | AN | CN | Others (specify) |
| Yes |  |  |  | X |  |
| No | X | X | X |  |  |
| Don't know |  |  |  |  |  |

# 2 Classification of the Work Item and linked work items

## 2.1 Primary classification

|  |  |
| --- | --- |
| X | Feature |
|  | Building Block |
|  | Work Task |
|  | Study Item |

## 2.2 Parent Work Item

|  |
| --- |
| Parent Work / Study Items  |
| Acronym | Working Group | Unique ID | Title (as in 3GPP Work Plan) |
| FS\_UC3S | SA3 | 890037 | Study on User Consent for 3GPP services |

### 2.3 Other related Work Items and dependencies

|  |
| --- |
| Other related Work /Study Items (if any) |
| Unique ID | Title | Nature of relationship |
|  |  |   |

Dependency on non-3GPP (draft) specification: None.

# 3 Justification

The Study FS\_UC3S in SA3 has progressed with several key issues and critical solutions, meanwhile, the basic concept and conclusion is made for user consent in 3GPP has been concluded. There are several aspects on user consent are agreed based on the LS sent to SA2. Summary up, it’s concluded that UDM holds the user consent for user data as a user subscription information, and the requirement in case of user consent revocation, it must be possible to delete any data that is subject to user consent. Moreover, the basic procedure for NEF or NFs checking and revoking the user consent are clear enough. In this case, in order to proceed for providing the appropriate security guidance for the relevant use cases, e.g. eNA, MEC. It’s proposed to initiate the work item on this study in time.

# 4 Objective

The objective of this work item is to specify the security aspects on user consent for 3GPP services concluded in TR 33.867. The security aspects to be specified include two objectives as following:

* Generic security requirements, services and guidance for user consent check and revocation.
* Specific security requirements and solutions for user consent handling identified for specific user cases, e.g. eNA, MEC

NOTE: In the present WID, a user is only identifiable by his/her subscription identifier. So, user consent is stored as subscription data.

# 5 Expected Output and Time scale

|  |
| --- |
| New specifications {One line per specification. Create/delete lines as needed} |
| Type  | TS/TR number | Title | For info at TSG#  | For approval at TSG# | Rapporteur |
|  |  |  |  |  |  |

{Note 1: Only TSs may contain normative provisions. Study Items shall create or impact only TRs.
"Internal TR" is intended for 3GPP internal use only whereas "External TR" may be transposed by OPs.}

{Note 2: The first listed Rapporteur is the specification primary Rapporteur. Secondary Rapporteur(s) are possible for particular aspect(s) of the TS/TR. In this case, their responsibility has to be provided as "Remarks".}

|  |
| --- |
| Impacted existing TS/TR {One line per specification. Create/delete lines as needed} |
| TS/TR No. | Description of change  | Target completion plenary# | Remarks |
| TS 33.501 | General security requirements, services and guidance for user consent check and revocation may be specified | TSG #94（Dec.2021） |  |
|  |  |  |  |

# 6 Work item Rapporteur(s)

Rong Wu, Huawei Technologies, Raina.wu@huawei.com

# 7 Work item leadership

SA3

# 8 Aspects that involve other WGs

SA2 for the architectural aspects.

# 9 Supporting Individual Members

|  |
| --- |
| Supporting IM name |
| Huawei |
| HiSilicon |
| China Mobile |
| China Unicom |
| China Telecom |
| Nokia |
| Nokia Shanghai Bell |
| CAICT |
| CATT |
| Futurewei Techologies |