**3GPP TSG-SA3 Meeting #102Bis-e *draft\_S3-211084-r2***

**e-meeting, 1 – 5 March 2021** *Revision of S3-21xxxx*

**Source: Nokia, Nokia Shanghai Bell**

**Title: KI on Modification and revocation of user consent**

**Document for: Approval**

**Agenda Item: 2.14**

# 1 Decision/action requested

***New KI on revocation of user consent.***

# 2 References

[1] 3GPP TR 23.700-91: “Study on enablers for network automation for the 5G System (5GS); Phase 2”

# 3 Rationale

A KI on modification and revocation of user consent related to aspects mentioned in 3GPP TR 23.700-91 [1] is proposed.

SA2 concluded in [1] under Key Issue #15: User consent for UE data collection/analysis the following

*It is recommended for Key Issue #15 to use the concepts and procedures described in below as the bases for the normative work with further alignments based on the SA WG3 feedback:*

*a) UDR (via UDM services) holds the user consent for user related data which is provisioned by MNO as a user subscription information.*

*b) A service provider (external to MNO domain) may use NEF parameterProvision\_Update service to update or to revoke the user consent to the UDM/ UDR (when applicable).*

*c) Alternatively, the user consent parameter may be configured by MNO in the UDM/UDR (when applicable).*

*d) Another option is the ASP configures the ASP's Application in UE to provide input data only if user consent is obtained.*

*e) A functionality to be provided to support tracking the distribution and usage of any user related information that may be subject to user consent.*

*NOTE 1: Whether the functionality described in bullet item e) is hosted by NWDAF, DCCF (and possible interactions with DRF) or as a standalone NF is decided in normative phase in alignment with SA WG3 feedback.*

*f) The functionality described in bullet item e) subscribes to the UDM/UDR to receive notifications for any changes in the user consent.*

*g) If a requested data is subject to user consent, the NWDAF and/or the functionality described in e) may check the user consent from the UDM/UDR before the data collection.*

*NOTE 2: This does not preclude that also other entities (e.g. AMF or SMF) to check availability of user consent with UDM/UDR.*

*h) User consent for the user data provided by a data source to a data consumer may have a validity time. On expiry of this validity time, the user data should be either deleted or the user consent for this data to be renegotiated.*

*i) (Subject to applicability of Data Protection Regulations) in case of user consent revocation at UDM/UDR, NWDAF deletes the related user data and terminates the data collection from the corresponding source NF.*

*j) (Subject to applicability of Data Protection Regulations) in case of user consent revocation (at UDM/UDR), the functionality described in bullet item e) may send a request to NWDAF service consumer(s) to delete the related user data/ analytics.*

*k) (Subject to applicability of Data Protection Regulations) in case of user consent revocation (at UDM/UDR), NWDAF service consumer(s) may delete the related user data/analytics on request (refer to bullet item j) or on expiry of validity time (refer to bullet item h).*

This key issue focus is on modification and revocation of user consent.

# 4 Detailed proposal

\*\*\*\*\*\*\*\*\*\* START OF CHANGES

### 6.X Key Issue #X: Modification or revocation of user consent

#### 6.X.1 Introduction

UDR (via UDM services) holds the user consent for user related data which is provisioned by MNO as a user subscription information. A service provider (external to MNO domain) can use *Nnef\_parameterProvision\_Update* service to update or to revoke the user consent to the UDM/UDR (when applicable).

#### 6.X.2 Security threats

If user consent modification or revocation is done by an unauthorized party, a service to a consumer can be denied; or service might be granted to the consumer that should not have access to the user data.

#### 6.X.3 Potential security requirements

Editor's Note: Requirements to handle revocation and modification of user consent are FFS.

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