**3GPP TSG-SA3 Meeting #102e *S3-210187***

**e-meeting, 18 – 29 January 2021**

**Source: CATT**

**Title: Add new key issue for user consent in TR 33.867**

**Document for: Approval**

**Agenda Item: 5.14**

# 1 Decision/action requested

***It is proposed to add one new key issue for user consent in TR 33.867. SA3 is kindly requested to approve this contribution.***

# 2 References

[1] 3GPP TR 33.867, v0.2.0

# 3 Rationale

This pCR proposes to add one new key issue for user consent.

# 4 Detailed proposal

\*\*\*\*\*\* FIRST OF CHANGE \*\*\*\*\*\*\*\*\*

2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[2] 3GPP TS 23.558: "Architecture for enabling Edge Applications (EA) ".

[x] 3GPP S 23.288: "Architecture enhancements for 5G System (5GS) to support network data analytics services"

\*\*\*\*\*\* SECOND OF CHANGE \*\*\*\*\*\*\*\*\*

6.X Key Issue #X User’s consent for UE related data analytics

### 6.X.0 Use case mapping

NWDAF can collect mobility and communication data of the UE, and outputs expected UE behaviour parameters, which may be a user profiling of UE mobility and communication pattern as depicted in clause 6.7.3 in TS 23.288[x].

6.X.1 Key issue details

As defined in TS 23.288[x], the NWDAF service consumer requests analytics from the NWDAF the expected UE behaviour parameters for both UE’s mobility statistics and predictions of a group of UEs or a specific UE.

The NWDAF supports to collect UE mobility related information from NF, OAM, and to perform data analytics to provide UE mobility statistics or predictions. The input data includes the UE ID, the UE location, and timestamp, etc. The analytics output includes the observed location statistics and predicted location prediction during the analytics target period, the confidence of this prediction and the ratio.

6.X.2 Security threats

If the UE mobility related information, such as the UE location data is used as analysis input without the user permission, it may violate the user’s privacy, for example, the user’s mobility path may be predicted and tracked.

6.X.3 Potential security requirements

5GS shall support obtain user consent which indicates whether user to allow the home or visited network to collect and analysis the user's own mobility information for outputting predicted data, as well as for which purposes and by which data controllers and processors.

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