**3GPP TSG-SA3 Meeting #105-eS3-213887**

e-meeting, 08 - 19 November 2021

**Title:** **LS on reply to SA6 about new SID on Application Enablement for Data Integrity Verification Service in IOT**

**Response to: LS** **S6-211496 on new SID on Application Enablement for Data Integrity Verification Service in IOT from 3GPP SA6**

**Release: Release 18**

**Work Item: 3**

**Source:** Nokia, Nokia Shanghai Bell to be **3GPP TSG SA WG3**

**To: 3GPP TSG SA WG6**

**3GPP TSG SA WG1**

**Cc: 3GPP TSG SA**

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**Send any reply LS to: 3GPP Liaisons Coordinator,** [**mailto:3GPPLiaison@etsi.org**](mailto:3GPPLiaison@etsi.org)

**Attachments:** None

# 1 Overall description

SA3 would like to thank SA6 for sending LS S6-211496.

Since the LS and SA3's answer relates to a requirement made by SA1, SA3 provides a common reply to the kind attention of SA6 and SA1.

In LS S6-211496 (S3-212444) SA6 has informed SA3 about a new study (S6-211481) proposed in SA6 on the application layer support of the service for data integrity verification in IOT based on the stage 1 requirements in TS 22.261.

SA3 could not agree, if the intention of the SA1 requirement was providing an "*additional ability to provide data integrity protection service between an application on UE and an Application Server*" as stipulated in S6-211481. SA3 sees a potential contradiction with the SA1 requirement, which restricts the scope of the integrity protection service to data exchange between network and application server.

SA3 can provide feedback and guidance on security aspects on a service for data integrity verification as soon as more detailed information about use cases, scope and intention of the data integrity verification service is available. Therefore, SA3 kindly asks SA6 and SA1 to provide this information as an input to SA3.

Specifically, SA3 ask for information and clarification with respect to:

- Is the scope of the integrity verification service end to end protection on application layer, or does the integrity verification service address the integrity of the link between 5GC and the application server?

- To what extent is the UE and specifically the USIM or UICC involved in the data integrity verification service?

Due to the expected security impact related to data integrity and authenticity under the remit of SA3, SA3 kindly suggests that the SA6 study on a data integrity verification service waits for clarification between SA6 and SA3 and between SA1 and SA3.

# 2 Actions

**To 3GPP TSG SA WG6**

**ACTION:** SA3 kindly asks SA6 to take the above into account and to provide more detailed information about data integrity verification service to SA3 as kindly requested. Preferably SA6 should also clarify intention, main use cases, scope, and main requirements of the service for data integrity verification with SA1 before starting the study.

**To 3GPP TSG SA WG1**

**ACTION:** SA3 kindly asks SA1 to take the above into account, to clarify intention, main use cases, scope, and main requirements of the service for data integrity verification service introduced in TS 22.261, and to provide the results as an input to SA3.

# 3 Dates of next TSG SA WG 3 meetings

SA3#106 7 - 11~February 2022 e-meeting

SA3#106-bis 4 - 8 ~April 2022 e-meeting