**3GPP TSG-SA3 Meeting #103-e *draft\_S3-211698-r1***

e-meeting, 17 - 28 May 2021

**Title: Reply LS on Transaction Information - Dispersion Analytics**

**Response to: S3-211422/2103268 on LS on Transaction Information - Dispersion Analytics from SA2**

**Release: Rel-17**

**Work Item: FS\_eNA\_Sec**

**Source: SA3#103-e**

**To: SA2**

**Cc:**

**Contact person: Anja Jerichow**

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

**Attachments:** none

# 1 Overall description

SA3 thanks SA2 for their LS on using dispersion analytics to counter DDoS attacks.

SA3 would like to inform SA2, that SA3 already has documented a set of key issues related to detection of cyber-attacks and anomaly events by analytics function in TR 33.866.

Regarding to the questions sent by SA2 that dispersion analytics can enable the NWDAF to provide an output indicating the number of transactions dispersed by a UE or group of UEs at a location and/or a slice during an observation period, SA2 asks:

- whether SA3 WG finds such transaction dispersion information useful and would like to develop a signalling storm detection use cases based on such analytics, and

- whether SA2 should expand the “Suspicion of DDoS attack” table 6.7.5.1-1 in TS 23.288 with “expected transaction dispersion” information.

SA3 would like to inform SA3 that the related KI (see attached) has been updated to include storm detection use case and that it is useful, if SA2 could expand the “Suspicion of DDoS attack” table 6.7.5.1-1 in TS 23.288 with “expected transaction dispersion” information and report back to SA3 to allow for development of solutions on the storm detection.

# 2 Actions

**To SA2**

**ACTION:** SA3 asks SA2 to expand the “Suspicion of DDoS attack” table 6.7.5.1-1 in TS 23.288 with “expected transaction dispersion” information to allow for development of solutions on the storm detection and report back to SA3.

# 3 Dates of next TSG SA WG 3 meetings

SA3#103Bis-e 5 - 9 ~July 2021 Electronic meeting (TBC)

SA3#104-e 16 - 27 August 2021 Electronic meeting