**3GPP TSG SA WG3 Meeting #101bis-e draft\_S3-203055-r4**

**e-meeting, 9 – 20 November 2020**

**Title:** Reply LS on Misalignments on HTTP message format over N32-f

**Response to:** S3-XXX

**Release:** Rel-15 onwards

**Work Item:** 5GS\_Ph1-SEC

**Source:** SA3

**To:** CT4

**Cc:**

**Contact Person:**

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**Attachments:**

**1. Overall Description:**

SA3 would like to thank CT4 for their LS on Misalignments on HTTP message format over N32-f.

SA3 has evaluated the two JSON representations of a reformatted HTTP message defined in TS 33.501 and TS 29.573. SA3 could not agree on whether there is a major security issue with the mechanism defined in TS 29.573. SA3 will align with CT4 to avoid the potential non-backward compatible changes to existing frozen stage 3 specification, but additional requirements are needed in 33.501, 29.501, clause 6, and/or 29.573 to address this issue completely.

SA3 has discussed the following requirements so far:

If a cNF tries to access an API and includes the value "encBlockIndex" in the JSON of the request (regardless of the encoding used for that JSON request), this request shall be rejected by the cSEPP.

The pSEPP shall reject any request in which an IPX has inserted or relocated references to encBlockIndex. (This seems to be hidden in the CT4 spec in "verification of modification policy”.)

SA3 will come back to CT4 after having studied exactly which requirements are necessary.

**2. Actions:**

**To CT4 group.**

**ACTION:** SA3 kindly asks CT4 group take the above information into account.

**3. Date of Next TSG-SA WG3 Meetings:**

SA3#101Bis-e 18-22 Jan. 2021 eMeeting

SA3#102-e 22 Feb-05 Mar. 2021 eMeeting