3GPP TSG SA WG 3 Meeting SA3#103e TDoc S3-211651

Electronic meeting, Online, 17 - 28 May 2021

**Title:** **LS on Supporting UP Integrity Protection Policy Handling for Interworking from 5GS to EPS**

**Response to:**

**Release: Rel-17**

**Work Item: FS\_UP\_IP\_SEC**

**Source: SA3**

**To: SA2**

**Cc: CT4**

**Contact person: Rong Wu**

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

**Attachments:**

# Overall description

SA3 would like to inform SA2 that SA3 agreed to apply user plane integrity protection for EPC, it is agreed that “*The solution with local RAN policy configuration for UP IP, shall be enhanced with the option of a Core Network/RAN solution for UP IP policy handling.*”.

SA3 is studying user plane integrity protection policy handling from 5GS to EPS, and found that there are restrictions for interworking:

As described in clause 5.10.3 in TS 23.501, “*For PDU Sessions with UP integrity protection of UP Security Enforcement Information set to Required, the SMF shall not trigger the EPS bearer ID allocation procedure in TS 23.502 [3] clause 4.11.1.4.*”,

and as described in clause 4.11.5.3 in TS 23.502, “*Step 4: If the EPS Interworking indication received from AMF indicates that the UE supports EPS interworking and the SMF determines, based on the EPS interworking support indication from the AMF and additional UE subscription data (e.g. whether UP integrity protection of UP Security Enforcement Information is not set to required, EPS interworking is allowed for this DNN and S-NSSAI), that the PDU Session supports EPS interworking, the PGW-C+SMF FQDN for S5/S8 interface is included in the Nudm\_UECM\_Registration Request.*”,

SA3 realized that the restriction may avoid a PDU session interworking from 5GS to EPS if user plane integrity protection policy is set as “required”. SA3 would like to request SA2 to confirm it is acceptable to remove these restrictions if UP IP when connected to EPS is supported..

# 2 Actions

**To 3GPP TSG SA2**

**ACTION:** SA3 kindly asks SA2 to take the above information into account.

# 3 Dates of next TSG SA WG 3 meetings

SA3#103e 17 - 28 may 2021 Electronic meeting

SA3#103bis-e 5 - 9 July 2021 Electronic meeting