**3GPP TSG-SA5 Meeting #143-e *S5-223516d2***

e-meeting, 9 - 17 May 2022

**Title: [DRAFT] Reply LS on Issues Network Slice information delivery to a 3rd party**

**Response to: LS (S6-220975) on Issues Network Slice information delivery to a 3rd party from SA6**

**Release: Rel-18**

**Work Item: Study on Network Slice Capability Exposure for Application Layer Enablement (FS\_NSCALE)**

**Source: SA5**

**To: SA6**

**Cc: SA1**

**Contact person: Erik Guttman**

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

**Attachments:** none

# 1 Overall description

SA5 thanks SA6 for their LS and questions. SA6 asked the following questions:

Q1: Is the SA5 understanding, that an authorized by the MNO trusted 3rd party (NSCE server / AF) can consume on behalf of the vertical and re-expose network slice information of existing slices towards third-party slice consumer/customer?

 Any authorized (trusted) 3rd party can consume OAM exposed interfaces. The NSCE server/AF may be such a consumer. The NSCE server/AF can then re-expose network slice information to a trusted 3rd party. Whether and how this consumer exposes information a 3rd party (i.e. vertical) is out of scope of SA5.

Q2: Is SA5 working on network slice information exposure of existing and possible slices towards third-party slice consumer/customer?

 Yes we work on FS\_NSCE in SA5 in the Release 18 time frame. One aspect of FS\_NSCE is to expose network slice information towards an authorized trusted consumer. We will inform SA6 as soon as there are conclusions.

Q3: If answer to Q2 is “yes”, does it include information about ServiceProfile?

 As the NSCE server is assumed to be a trusted OAM consumer, the service profile will be exposed to it However the details remain to be worked out in SA5.

Q4: If answer to Q2 is “no”, is the SA5 understanding that NSCALE (given that it is an authorized by the MNO trusted 3rd party) can expose network slice information of existing slices towards third-party slice consumer/customer or BSS should be responsible for such exposure and this is out of SA6 scope?

 Depending on FS\_NSCE conclusion on a mechanism that will expose network slice management capabilities, charging aspects could be studied.

Q5: SA6 asks SA5 whether the charging aspects (e.g. slice offering/creation/modification) triggered by the NSCALE layer will be handled by SA5.

Since Rel-16 specifies TS 28.202 the Converged Charging description for network slice management charging in the 5G System (5GS) which includes the following management operations on

- Network Slice Instance creation, modification and termination;

- Network Slice Instance activation and deactivation.

Note although this charging solution does not explicitly refer to when the MnS Producer of such management operations is an exposure function, it can be considered as applicable. During the Rel-16 study FS\_NETSLICE\_CH with TR 32.845, this scenario has been considered when network management capability is exposed (via Exposure Governance Management Function (EGMF)).

We do not understand the term ‘slice offering’.

# 2 Actions

**To SA6**

**ACTION:** SA5 asks SA6 to take these answers into account. SA5 will send additional information pertaining to these questions when it is available.

# 3 Dates of next TSG SA WG 5 meetings

SA5#144e 27 June - 01 July 2022 Electronic meeting

SA5#145 (TBC) 15 - 19 August 2022 Gothenburg (Sweden)