**3GPP TSG-CT WG1 Meeting #133e-bisC1-220578**

**E-meeting, 17-21 January 2022**

**Source: Lenovo, Motorola Mobility**

**Title: Network slice adaptation**

**Spec: 3GPP TS 24.549**

**Agenda item: 17.2.23**

**Document for: Agreement**

**1. Introduction**

<Introduction part >

**2. Reason for Change**

Agreed CR S6-212408 adds notes that it is out of the scope of this release:

- whether and how SNSCE-C can trigger slice adaptation for all the VAL UE; and

- how SNSCE-C knows the requested network slice.

**3. Conclusions**

Added two notes to reflect the agreed notes in CR S6-212408.

The new text uses enablement instead if management due to agreed CR S6-212766.

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS <TS number and version>.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Next Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.2.2 Client procedure

In order to request for network slice adaptation, the SNSCM-C shall send an HTTP POST request message according to procedures specified in IETF RFC 7231 [7]. In the HTTP POST request message, the SNSCM-C:

NOTE: How the requested network slice is known by the SNSCE-C is out of scope of this release.

a) shall set the Request-URI to the URI identifying the SNSCM-C appended with VAL service identity and the value "/UE-triggered-slice-adaptation";

b) shall set the "Host" header field to the URI identifying of SNSCM-S and the port information;

c) shall include an Authorization header field with the "Bearer" authentication scheme set to an access token of the "bearer" token type as specified in IETF RFC 6750 [8];

d) shall include the parameters for VAL UE list and requested S-NSSAI as specified in table A.1.2-1 of annex A serialized into a JavaScript Object Notation (JSON) structure as specified in IETF RFC 8259 [9]; and

e) may include the parameters for requested DNN and slice adaptation cause as specified in table A.1.2-1 of annex A serialized into a JavaScript Object Notation (JSON) structure as specified in IETF RFC 8259 [9].

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Next Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

#### 6.2.2.3 Server procedure

Upon receipt an HTTP POST request from the SNSCM-C for network slice adaptation, the SNSCM-S shall determine the identity of the sender as specified in clause 6.2.1.1 to confirm whether the sender is authorized or not. If:

a) the sender is not an authorized user, the SNSCM-S shall respond with an HTTP 403 (Forbidden) response message and avoid the rest of steps; or

b) the sender is an authorized user, the SNSCM-S:

1) shall attempt to update the network slice for one or more VAL UEs with the identities listed in the VAL UE list for for the VAL service, identified by VAL service ID by using the parameters for requested S-NSSAI, requested DNN and slice adaptation cause from the HTTP POST request message;

Editor's note: How the SNSCM-S updates the network slice for one or more VAL UEs for a VAL service, needs to be specified.

NOTE: Whether and how the SNSCE-S can update the network slice for all VAL UEs for the VAL service, is out of the scope of this release.

2) shall send the updated network slice and any new DNN to the PCF, if the update is successful, 3GPP TS 23.434 [2]; and

3) shall send an HTTP 200 response message containing the successful or failure status of the requested network slice adaptation to the SNSCM-C.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*End of Change\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*