**3GPP TSG-CT WG1 Meeting #131-eC1-21XXXX**

**E-meeting, 19-27 August 2021**

**Source: Lenovo, Motorola Mobility**

**Title: Requirements for functional entities**

**Spec: 3GPP TS 24.549**

**Agenda item: 17.2.23**

**Document for: Agreement**

**1. Introduction**

WID for network slice capability management has been agreed and this CR is adding new needed features for 3GPP TS 24.549.

**2. Reason for Change**

Added requirements for functional entities SEAL network slice capability management client (SNSCM-C) and SEAL network slice capability management server (SNSCM-S).

**3. Conclusions**

<Conclusion part (optional)>

**4. Proposal**

It is proposed to agree the following changes to 3GPP TS 24.549.

\* \* \* First Change \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

[X] IETF RFC 4825: "The Extensible Markup Language (XML) Configuration Access Protocol (XCAP)".

[Y] OMA OMA-TS-XDM\_Group-V1\_1\_1-20170124-A: "Group XDM Specification".

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

## 3.3 Abbreviations

For the purposes of the present document, the abbreviations given in 3GPP TR 21.905 [1] and the following apply. An abbreviation defined in the present document takes precedence over the definition of the same abbreviation, if any, in 3GPP TR 21.905 [1].

DNN Data Network Name

SEAL Service Enabler Architecture Layer

SNSCM-C SEAL Network Slice Capability Management Client

SNSCM-S SEAL Network Slice Capability Management Server

S-NSSAI Single Network Slice Selection Assistance Information

XCAP XML Configuration Access Protocol

XDMC XML Document Management Client

XDMC XML Document Management Server

XML Extensible Markup Language

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

## 5.1 SEAL network slice capability management client (SNSCM-C)

The SNSCM-C functional entity acts as the application client for managing network slice capabilities. To be compliant with the procedures in the present document the SNRM-C:

a) shall support the role of XCAP client as specified in IETF RFC 4825 [X];

b) shall support the role of XDMC as specified in OMA OMA-TS-XDM\_Group-V1\_1\_1-20170124-A [Y]; and

c) shall support S-NSSAI and DNN adaptation due to new requirements or change of requirements for one or more application.

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

## 5.2 SEAL network slice capability management server (SNSCM-S)

The SNSCM-S is a functional entity which provides slice capability management to administer the network slice for one or more vertical applications. To be compliant with the procedures in the present document the SNSCM-S shall:

a) shall support the role of XCAP server as specified in IETF RFC 4825 [X];

b) shall support the role of XDMS as specified in OMA OMA-TS-XDM\_Group-V1\_1\_1-20170124-A [Y]; and

c) shall provide the 5GC network a guidance for route selection descriptors to assign new S-NSSAI and DNN.

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