**3GPP TSG-SA5 Meeting #145-e *S5-225238rev1***

**e-meeting, 15 - 24 August 2022**

**Source: Huawei, Asiainfo**

**Title: Add use case of Intent driven management for network slice feasibility check**

**Document for: Approval**

**Agenda Item: 6.7.4.1**

# 1 Decision/action requested

***The group is asked to discuss and agree on the proposal.***

# 2 References

[1] 3GPP TR 28.836: “Study on intent-driven management for network slicing v0.2.0”.

# 3 Rationale

This document is to add use case of Intent driven management for network slice feasibility check regarding network slice instance and network slice subnet instance.

# 4 Detailed proposal

The start of the change

## 5.1.x Use case of Intent feasibility check

#### 5.1.x.1 Introduction

The feasibility check in intent driven management is desdribed in TS 28.312.

The intent driven MnS can support network operator to check feasibility of intent in intent driven management.

#### 5.1.x.2 Pre-condition

CSP provides the intent driven management service to CSC to deliver a communication service.

The Intent driven MnS consumer (e.g., network operator) is capable to check feasibility of intent in intent driven management.

The network slice instance and network slics subnet instace can be provided by network operator by MnS for network slice instance.

#### 5.1.x.3 Description

In order to allow a group of end users to consume a network slice provided by a 3GPP network, a MnS consumer expresses its intent for delivering the network slice with proper network characteristics. The operator may check feasibility of intent expectation.

In this use case, the operator can invoke intent driven MnS to check feasibility. The intent for network slicing can be creation of a network slice, modification of a network slice etc.

To reponse the feasibility check for intent expection, the intent driven MnS producer can report the corresponding result (e.g., feasible or not) of feasibility check.

#### 5.1.x.4 Post-condition

The intent MnS consumer invokes the feasibility check of intent, in case that the Intent driven management for network slicing. Then, the intent driven management can support the feasibility check for network slicing.

#### 5.1.x.5 Potential requirements

**REQ-Intent\_FeasibilityCheck\_Slice-CON-1:** The intent driven MnS producer should have the capability to check the feasibility of fulfilling the expectation of an intent provided by the MnS consumer for a communication service

The end of the change