**3GPP TSG-SA5 Meeting #144-eS5-224104rev1**

e-meeting, 27 June- 1 July 2022

**Source: AsiaInfo**

**Title: Add use case of Intent driven management for feasibility check of intent expections**

**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 feasibility check of intent expections

# 4 Detailed proposal

The start of the change

## 5.y Intent driven management for feasibility check of intent expections

### 5.y.1 Introduction

To satisfy the requirement of network operator for feasibility check of intent expections with certain characteristics, the intent driven MnS producer receive the intent expection of feasibility check of an intent expection and provide the management capabilities to check the feasibility of intent expections.

### 5.y.2 Pre-condition

CSP provides the intent driven management service to CSC to check the feasibility of a communication service.

Network operator is capable to provide the feasibility check of an intent expection in management system to invoke the proper intent driven MnS.

### 5.y.3 Description

In order to enable a group of end users to connect to communication service provided by a 3GPP network, a MnS Consumer expresses its intent for the feasibility check of an intent expection(e.g. checking the feasibility of an intent expection of deliver a network slice subnet instance) with proper network characteristics to network operator.

The operator provides the feasibility check of an intent expectation with a set of network characteristics. The intent diven management service producer is capable to translate the intent of the feasibility check of an intent expection capability to relevant requirements e.g., in terms of resources. Regarding the intent MnS request received, the intent driven-management service provider may decide management capabilities to checking the feasibility of an intent expection, for example, network slice subnet feasibilty check, analysing network constituents to ensure that their capabilities, e.g., resources, management services, etc. are (or will be) adequate to the a intent expection of deliver network slice subnet instances. The intent driven management service producer is also capable to provide the report of intent fulfilment of feasibility check of an intent expection.

### 5.y.4 Post-condition

The feasibility check results of intent expection are informed to a specified group of end users

### 5.y.5 Requirements

**REQ-Intent\_Expose\_Slice-CON-1:** The intent driven MnS shall have capability enabling MnS consumer to express intent containing an expectation for feasibility check of a communication service

**REQ-Intent\_Expose\_Slice-CON-2:** The intent driven MnS shall have capability enabling MnS consumer to express intent containing an expectation for feasibility check of a intent expection.

The end of the change