**3GPP TSG-SA5 Meeting #145-e *S5-225375rev1***

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

**Source: China Mobile**

**Title: pCR 28.912 Add key issue for intent execution monitoring**

**Document for: Approval**

**Agenda Item: 6.7.3.2**

# Decision/action requested

***The group is asked to discuss and endorse the proposal in section 4***

# 2 References

[1] 3GPP draft TR 28.912: “Management and orchestration; Study on enhanced intent driven management services for mobile networks v0.3.0”.

[2] 3GPP TS 28.312: "Management and orchestration; Intent driven management services for mobile networks"

# 3 Rationale

This contribution proposes to add a new key issue for intent execution monitoring.

# 4 Detailed proposal

It proposes to make the following changes.

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| **1st Change** |

## 4.x Issue#4.x: Intent execution monitoring

### 4.x.1 Description

In TS 28.312 [2], MnS Producer can deploy or configure corresponding managed entities to satisfy the intent. During the execution of intention, MnS Producer continuously monitors intent fulfilment status. One scenario is that an intent may take a long period of policies execution to be satisfied. During the execution of the intent, something may happen, such as a new intent coming, a change in the execution environment. The MnS producer needs to monitor the intent fulfilment status so that policies can be adjusted in time. Another scenario is that the intent contains temporal information, such as when and for how long does the intent need to be satisfied. The MnS producer needs to response the intent fulfilment status to the MnS consumer at the beginning and during the execution of the intent.

**REQ-Intent\_execution\_monitoring-CON-1:** The intent driven MnS should have the capability to allow the authorized MnS consumer to request intent fulfilment status periodically or event-triggered.

**REQ-Intent\_execution\_monitoring-CON-2:** The intent driven MnS should have the capability to inform the authorized MnS consumer about intent fulfilment status periodically or event-triggered.

### 4.x.2 Potential solutions

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| **End of Change** |