**3GPP TSG-SA5 Meeting #157 *S5-246058***

Hyderabad, India, 14 - 18 October 2024

**Source: China Mobile, ZTE**

**Title:** **pCR TR 28.914 Add description of intent negotiation initiated by MnS producer**

**Document for: Approval**

**Agenda Item: 6.19.3**

# 1 Decision/action requested

***In this box give a very clear / short /concise statement of what is wanted.***

# 2 References

*(Reference - in list form - should be made to previous related SA5/3GPP/etc. documents.)*

*(For changes against a draft TS/TR, a pseudo CR - a.k.a. pCR - will be provided using this Tdoc template. In this case, the number, name and version of the draft TS/TR used as base must be provided and the version must be the latest available version of the draft TS/TR.)*

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

# 3 Rationale

*(With bullet points, describe the reasons for the proposed action.
The objectives of the proposal should be clearly stated.
Rejected alternative solutions should be mentioned if this aids understanding).*

*(For pseudo CR, the reason for change(s) and summary of change(s) must be clearly explained.)*

# 4 Detailed proposal

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| **1st Change** |

#### 5.16.1.3 MnS producer to recommend fulfillable intent targets and contexts

The MnS consumer wants to know what the MnS producer recommends what to be applied for particular intent characteristics. The MnS consumer creates an intent and asks the MnS producer to recommend what changes could be made to the intent or other intents to make the intent fulfillable (Figure 5.16.1.3-1). Alternatively, the MnS producer has attempted to fulfil the intent and indicated that it cannot be fulfilled, so the MnS consumer asks the MnS producer to recommend what changes could be made to the intent or other intents to make the intent fulfillable. For example, there may not enough resources for MnS producer to fulfill a new intent request from MnS consumer.  In such case, the MnS consumer can create a request to query recommendations from MnS producer and use the response to modify their existing intents in an attempt to improve the ability to fulfil their new intents.



Figure 5.16.1.3-1: Enabling the MnS consumer to request and receive a recommendation on
the fulfillable intent properties prior to fulfilment



Figure 5.16.1.3-2: Enabling the MnS producer to recommend to the MnS consumer
a set of fulfillable intent properties in case of inability to fulfil an intent

Subsequently, the MnS producer provides a (intent modification recommendation) report indicating the changes to be applied to the intent to make the intent fulfillable. The MnS producer should support a recommended-changes report that lists the proposed candidate changes to each unfulfillable target within an unfulfillable expectation.

NOTE: The nature of the report and what can be included if FFS.

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| **End of changes** |