**3GPP TSG-SA5 Meeting #162S5-253340**

**25 - 29 August 2025, Goteborg, Sweden**

**Source: Nokia, Nokia Shanghai Bell**

**Title:** **pCR 28.881 Intent interpretation information**

**Document for: Approval**

**Agenda Item: 6.20.1**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TR 28.881 “Study on intent driven management services for mobile network phase 4”.

# 3 Rationale

TR 28.914 discussed intent negotiation, where the MnS consumer interacts with the MnS producer multiple times before agreeing to fulfil an intent. If for the same use case, the MnS consumer needs to send the same intent to multiple producers, the iterative negotiation can be minimized by sgaring the negotiation of one MnS producer with another MnS producer. This pCR is to add a use case for sharing this intent interpretation assistance information.

WT-3. Intent negotiation enhancement, including:

WT-3.1 Intent feasibility check capability enhancement to support intent guarantee requirements (e.g. resource reservation).

# 4 Detailed proposal

|  |
| --- |
| **Start of modification** |

## 4.X Use case #X: Intent Interpretation Assistance Information

### 4.X.1 Description

A similar intent can be instantiated on several intent handlers, e.g., on several management systems each responsible for a for a different domain. TS28.312 supports intent negotiation that enables interaction between the MnS producer and MnS consumer to clarify the ability to fulfill intent requirements that may otherwise not be realizable owing to their abstract nature. For the same intents (and same or related clarifications) that are sent to several MnS producers, negotiation with the several MnS producers to clarify the intents can be resource wasteful.

The intent driven management service can minimize the number of negotiation exchanges while allowing effective interpretation of intents by reusing the interpretation information to other MnS producers. The MnS consumer compiles prior interactions with intent handlers and shares those prior interactions as intent interpretation assistance informationwith the other intent handlers. An example interpretation assistance informationcan be the pastIntentNegotiationReport containing supportedAlternativesReport and intentNegotiationConsumerFeedback.The Mns consumer should be enabled to provide this intent interpretation assistance informationthat can be used by the intent handler to support the interpretation of the intent.

Note: The intent interpretation assistance informationcan be visualized as a “frequently asked questions (FAQ)” section used in many human-oriented service descriptions (e.g. on service providers’ websites).

### 4.X.2 Potential requirements

**REQ-Intent\_ Interpretation\_Assistance\_1:** The intent driven MnS producer shall have the capability enabling the MnS consumer to provide intent interpretation assistance informationcontaining prior interactions with other intent handlers that can then be used by the intent handler to support the interpretation of the intent**.**

### 4.X.3 Potential solutions

TBA

### 4.X.4 Evaluation of potential solutions

TBA

|  |
| --- |
| **End of modifications** |