**3GPP TSG-SA5 Meeting #162 *S5-254039***

Goteborg, Sweden, 25 - 29 August 2025

**Source: Huawei**

**Title: Pseudo-CR on TR 28.881 Add new issue for Intent exploration enhancement**

**Document for: Approval**

**Agenda item: 6.20.1**

**Spec: 3GPP TR 28.881**

**Version: V0.0.0**

**Work Item: FS\_IDMS\_MN\_Ph4**

**Comments**

This contribution proposes to add a new issue for the Enhancement of Intent exploration based on SP-250861.

This pCR related to WT-3.2.

**Proposed Changes**

\* \* \* First Change \* \* \* \*

# 2 References

The following documents contain provisions which, through reference in this text, constitute provisions of the present document.

- References are either specific (identified by date of publication, edition number, version number, etc.) or non‑specific.

- For a specific reference, subsequent revisions do not apply.

- For a non-specific reference, the latest version applies. In the case of a reference to a 3GPP document (including a GSM document), a non-specific reference implicitly refers to the latest version of that document *in the same Release as the present document*.

[1] 3GPP TR 21.905: "Vocabulary for 3GPP Specifications".

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

\* \* \* Next Change \* \* \* \*

## 4.X Issue#X: Enhancement of intent exploration

### 4.X.1 Description

In 3GPP TS 28.312 [X], the existing use case and requirements for intent Exploration is defined in clause 5.3.5. The IntentExplorationReport is defined in clause 6.2.1.3.19 to represent the intent exploration result, which includes the list of expectation exploration results. However, following scenarios are not supported:

- MnS consumer requests intent handling function to periodically report the best target values. For example, MnS consumer request intent handling function to report the best value for UENumberTarget of RadioServiceExpectation by the period of an hour. In this case, MnS producer need to execute the exploration process and send the intent exploration report with the best values for UENumberTarget to MnS consumer every hour. As the intent exploration process is complex and time-consuming (e.g. MnS producer may perform simulation activities to explore the best values), the MnS consumer needs to obtain the status (e.g., RUNNING, FINISHED, FAILED) of the intent exploration process for specific intent expectation (s).- MnS consumer requests intent handling function to explore best target values for individual objects (e.g. area, cells) indicated in one IntentExpectation. For example, MnS consumer request to obtain the best values for UENumberTarget applied to ExpectationObject which represents a list of cells. In the request, MnS consumer wants to obtain the best values for UENumberTarget for each cell in addition to the best value for the list of cells. In this case, MnS producer needs to provide the following information in the intent exploration report:

- The best UENumberTarget value for the list of cells represented by the ExpectationObject.

- The best UENumberTarget value for each item of the list of cells represented by the ExpectationObject.

### 4.X.2 Potential requirements

**REQ-IDMS-IntentExploration-CON-1:** The intent driven MnS producer should have the capability enabling the MnS consumer to request to periodically obtain the exploration report.

**REQ- IDMS-IntentExploration-CON-2:** The intent driven MnS producer should have the capability enabling the MnS consumer to obtain the best target values for individual object represented by the ExpectationObject in an IntentExpectation.

### 4.X.3 Potential solution

TBD

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

TBD

\* \* \* End of Changes \* \* \* \*