**3GPP TSG-SA5 Meeting #145eS5-233476**

**15 August to 24 August 2022, E-meeting**

**Source: China Mobile**

**Title: pCR 28.912 issue#4.5.1 Intent report description enhancement**

**Document for: approval**

**Agenda Item: 6.7.3.2**

# 1 Decision/action requested

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

# 2 References

[1] 3GPP TR 28.912 “Study on enhanced intent driven management services for mobile networks ” V1.2.0 (2023-03)

# 3 Rationale

The statement for **REQ-Intent\_Driven\_MnS\_Report\_07** is rephrased from the producer's perspective to avoidambiguity.

# 4 Detailed proposal

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| **Start of Modified** |

## 4.5 Issue#4.5: Intent Report

### 4.5.1 Description

In TS 28.312 [2], the Fulfilment information (including the intentFulfilmentinfo, expectationfulfilmentInfo and targetfulfilmentInfo) are defined for the MnS consumer to monitor the intent fulfilment information. The intent report also can contain the current and optional predicted value for performance indicated by corresponding expectation targets (e.g. WeakRSRPRatio for the weakRSRPRatioTarget, Average UL RAN UE Throughput for aveULRANUEThptTarget), which can be used by MnS consumer to validate whether the intent is really fulfilled and to evaluate whether the intent (especially for expectation targets) needs to be updated if needed (improve the target value when corresponding target is fulfilled or reduce the target value when corresponding target is not fulfilled or not fulfilled with the reason of target confliction). Besides, intent conflict information which send by MnS producer to MnS consumer is another type of intent report information. So, following are the three types of information needs to be monitored by MnS consumer:

* Intent Fulfilment information, which represents the properties of a specific fulfilment information for an aspect of the intent (i.e. either an expectation, a target or the whole intent). The detailed information see clause 6.2.1.3.6 in TS 28.312 [2].
* Achieved values for targets, which represent current performance values for corresponding expectation targets.
* Intent conflict information, which represents conflict type (i.e., intent conflict, expectation conflict and target conflict) and possible solution recommendation to address the conflicts.

Different MnS consumer may have different requirements for intent report (e.g. Some MnS consumer may want to have corresponding performance value information while others don't want, Different MnS consumer may want to calculate or monitor the performance value in different period).

While the report (with the current performance values for corresponding expectation targets) is provided at the end of each observation period, the consumer may also wish to know whether the fulfilment info was consistent for the entire observation period. For example, the intent expectation may be reported FULFILLED at the end of observation period. However, may be possible that within observation period the intent expectation was NOTFULFILLED. The consumer may wish to know this information. This information can be important for the MnS consumer to understand whether the observation period they specified need an update (e.g shortened) or not. Moreover, it helps the MnS consumer to understand whether their expectation is fulfilled during the entire observation period which also gives transparency to the MnS consumer to update their observation period and/or expectations targets specified in the intent.

**REQ-Intent\_Driven\_MnS\_Report-1:** The intent driven MnS should have the capability to enable the MnS consumer to request intent report information.

**REQ-Intent\_Driven\_MnS\_Report-2:** The intent driven MnS should have the capability to enable the MnS consumer to obtain intent report information with current performance value for corresponding expectation targets.

**REQ-Intent\_Driven\_MnS\_Report-3:** The intent driven MnS should have the capability to enable the MnS consumer to obtain intent report information with intent fulfilment information.

**REQ-Intent\_Driven\_MnS\_Report-4:** The intent driven MnS should have the capability to enable the MnS consumer to obtain intent report information with intent conflict information.

**REQ-Intent\_Driven\_MnS\_Report\_05:** The intent driven MnS should have capability enabling MnS consumer to specify the content of the report.

**REQ-Intent\_Driven\_MnS\_Report\_06:** The intent driven MnS should have capability enabling MnS consumer to configure the frequency of the intent reporting.

**REQ-Intent\_Driven\_MnS\_Report\_07:** The intent driven MnS should allow MnS consumers to receive reports, with different content and intervals according to its specified requirements.

**REQ-Intent\_Driven\_MnS\_Report\_08:** The intent driven MnS should allow MnS consumer to obtain reports with current values for specified expectation targets.

**REQ-Intent\_Driven\_MnS\_Report\_09:** The intent driven MnS should have capability enabling MnS consumer to obtain intent report information with current context information for corresponding expectation targets.

**REQ-Intent\_Driven\_MnS\_Report\_10:** The intent driven MnS should allow reports to contain information on whether the fulfilment info was consistent throughout the observation period.

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| **End of Modified** |