**3GPP TSG-SA5 Meeting #140-e *S5-216360rev1***

**e-meeting, 15 - 24 November 2021**

**Source: AsiaInfo**

**Title: Add** **attributes of the IntentReport**

**Document for: Approval**

**Agenda Item: 6.4.10**

# 1 Decision/action requested

***The group is asked to discuss and approve the proposal.***

# 2 References

[1] 3GPP draft TS 28.312: “Management and orchestration; Intent driven management services for mobile networks v0.6.0”.

# 3 Rationale

This contribution proposes to add attributes of the IntentState.

# 4 Detailed proposal

It proposes to make the following changes to TS 28.312[1].

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| **1st Change** |

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| **2nd Change** |

##### 6.2.1.2.1 Intent <<IOC>>

###### 6.2.1.2.1.1 Definition

This IOC represents the properties of an Intent. The Intent IOC contains one or multiple intentExpectation(s) which includes MnS consumer’s requirements, goals and constraints given to a 3GPP system*.*

The Intent IOC contains IntentReport to represent the intent fulfilment feedback information.

The Intent IOC includes the attribute objectClass and objectInstance from the TOP IOC. The value of attribute objectClass is “Intent” and the value of attribute objectInstance is the DN of the instance of Intent IOC.

###### 6.2.1.2.1.2 Attributes

The Intent includes attributes inherited fromTOP IOC (defined in TS 28.622) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute Name | Support Qualifier | isReadable  | isWritable | isInvariant | isNotifyable |
| intentExpectation | M | T | T | F | T |
| userLabel | M | T | T | F | T |
| IntentState | O | T | F | F | T |

Editor’s Note: whether other the attributes are needed for the Intent IOC needs further discussion.

###### 6.2.1.2.1.3 Attribute constraints

None

##### 6.2.1.2.2 IntentExpectation

IntentExpectation class represent MnS consumer’s requirements, goals and constraints given to a 3GPP system*.*

Editor’s Note: more description for IntentExpectation will be added later based on the further discussion.

###### 6.2.1.2.2.1 Definition

IntentExpectation class represent MnS consumer’s requirements, goals and constraints given to a 3GPP system.

###### 6.2.1.2.2.2 Attributes

The IntentExpectation includes the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute Name | Support Qualifier | isReadable  | isWritable | isInvariant | isNotifyable |
| ExpectationId | M | T | T | T | T |
| IntentState | O | T | T | F | T |

#### 6.2.1.2 Class definition

##### 6.2.1.2.3 IntentState <<dataType>>

###### 6.2.1.2.3.1 Definition

IntentState class represents intent fulfilment feedback information that MnS consumer can obtained from a 3GPP system about an intent, its expectation or the related targets.

###### 6.2.1.2.3.2 Attributes

The IntentReport includes attributes inherited fromTOP IOC (defined in TS 28.622) and the following attributes:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Attribute Name | Support Qualifier | isReadable  | isWritable | isInvariant | isNotifyable |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| FintentFulfilStatus | M | T | F | F | T |
| Reason | O | T | F | F | T |

###### 6.2.1.2.3.3 Attribute constraints

TBD

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| **End of changes** |