**3GPP TSG-SA5 Meeting #158 *S5-247246***

Orlando, USA, 18 - 22 November 2024

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| *CR-Form-v12.3* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.312** | **CR** | **0263** | **rev** | **1** | **Current version:** | **18.5.0** |  |
|  | | | | | | | | |
| *For* [***HE******LP***](http://www.3gpp.org/3G_Specs/CRs.htm#_blank)*on using this form: comprehensive instructions can be found at* [*http://www.3gpp.org/Change-Requests*](http://www.3gpp.org/Change-Requests)*.* | | | | | | | | |
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| ***Proposed change affects:*** | UICC apps |  | ME |  | Radio Access Network | **X** | Core Network | **X** |

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| ***Title:*** | Rel-18 CR TS 28.312 Update the Mapping of Intent Model between 3GPP and TMF | | | | | | | | | |
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| ***Source to WG:*** | ZTE Corporation | | | | | | | | | |
| ***Source to TSG:*** | SA5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | IDMS\_MN\_ph2 | | | | |  | ***Date:*** | | | 2024-11-04 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **F** |  | | | | | ***Release:*** | | | Rel-18 |
|  | *Use one of the following categories:* ***F*** *(correction)* ***A*** *(mirror corresponding to a change in an earlier release)* ***B*** *(addition of feature),* ***C*** *(functional modification of feature)* ***D*** *(editorial modification)*  Detailed explanations of the above categories can be found in 3GPP [TR 21.900](http://www.3gpp.org/ftp/Specs/html-info/21900.htm). | | | | | | | | *Use one of the following releases: Rel-8 (Release 8) Rel-9 (Release 9) Rel-10 (Release 10) Rel-11 (Release 11) … Rel-17 (Release 17) Rel-18 (Release 18) Rel-19 (Release 19)  Rel-20 (Release 20)* | |
|  |  | | | | | | | | | |
| ***Reason for change:*** | | 1. Annex C maps the Intent Model in 3GPP and TMF. But the title is misleading since intent extension models are also defined in TMF. 2. Fix the typos of icm:propertyParams and icm:deliveryParams 3. IntentReport is difined in Rel-18 but the mapping with TMF intent model is missing. | | | | | | | | |
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| ***Summary of change:*** | | 1. Change the title of Annex C. 2. Fix the typos. 3. Add the mapping of IntentReport model | | | | | | | | |
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| ***Consequences if not approved:*** | | The unclear description may mislead the external readers. | | | | | | | | |
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| ***Clauses affected:*** | | Annex C | | | | | | | | |
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|  | | **Y** | **N** |  | | | |  | | |
| ***Other specs*** | |  | **X** | Other core specifications | | | | TS/TR ... CR ... | | |
| ***affected:*** | |  | **X** | Test specifications | | | | TS/TR ... CR ... | | |
| ***(show related CRs)*** | |  | **X** | O&M Specifications | | | | TS/TR ... CR ... | | |
|  | |  | | | | | | | | |
| ***Other comments:*** | | No impact on stage 3. | | | | | | | | |
|  | |  | | | | | | | | |
| ***This CR's revision history:*** | | S5-247246 is the revision of S5-246430. | | | | | | | | |

***Start of First Change***

Annex C(informative):  
Mapping the 3GPP and the TM Forum intentExpectation and IntentReport Models

The TM forum defines the structure of an intent as a list of expectations with each expectation containing the requirements goals and constraints to be achieved. The expectation is defined to contain 3 attributes - the icm:target, icm:propertyParam and the icm:deliveryParam.

Table C.1 illustrates the mapping between 3GPP IntentExpectation and TM Forum ICM IntentExpectation.

Table C.1. Mapping between 3GPP IntentExpectation and TM Forum ICM IntentExpectation

|  |  |
| --- | --- |
| 3GPP Generic Intent Information Model - IntentExpectation | TM Forum Intent Common Model - IntentExpectation (IG1253A v1.1.0 [7]) |
| Attribute | Attribute |
| expectationObject.objectInstance | icm:target |
| expectationTargets | icm:propertyParam |
| expectationContexts |
| expectationObject.objectType | icm:deliveryParam |
| expectationObject.ObjectContexts |

The TM forum defines the structure of an IntentReport as a list of ExpectationReport corresponding to each expectation.

Table C.2 illustrates the mapping between 3GPP IntentReport and TM Forum ICM IntentReport.

Table C.2. Mapping between 3GPP Intent Report and TM Forum ICM IntentReport

|  |  |
| --- | --- |
| 3GPP Generic Intent Information Model - Intent Report | TM Forum Intent Common Model - Intent Expectation Report (TR290B v3.6.0 [18]) |
| Attribute | Attribute |
| intentFulfilmentReport. intentFulfilmentInfo | icm:propertyParams |
| intentFulfilmentReport. expectationFulfilmentResults |

***End of 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".

[2] 3GPP TS 28.531: "Management and orchestration; Provisioning".

[3] 3GPP TS 28.532: "Management and orchestration; Generic management services".

[4] 3GPP TS 28.530: "Management and orchestration; Concept, use cases and requirements".

[5] 3GPP TS 28.541: "Management and orchestration; 5G Network Resource Model (NRM); Stage 2 and stage 3".

[6] 3GPP TS 28.622: "Telecommunication management; Generic Network Resource Model (NRM); Integration Reference Point (IRP); Information Service (IS)".

[7] TM Forum IG1253A: "Intent Common Model v1.1.0".

[8] 3GPP TS 38.104: "NR; Base Station (BS) radio transmission and reception".

[9] 3GPP TS 28.538: "Management and orchestration; Edge Computing Management".

[10] 3GPP TS 28.658: "Telecommunications management; Evolved Universal Terrestrial Radio Access Network (E-UTRAN) Network Resource Model (NRM) Integration Reference Point (IRP): Information Service (IS)".

[11] 3GPP TS 28.554: "Management and orchestration; 5G end to end Key Performance Indicators (KPI)".

[12] 3GPP TS 28.552: " Management and orchestration; 5G performance measurements".

[13] 3GPP TS 29.510: " 5G System; Network Function Repository Services".

[14] 3GPP TS 36.104: "Evolved Universal Terrestrial Radio Access (E-UTRA); Base Station (BS) radio transmission and reception "

[15] 3GPP TS 23.003: "Numbering, Addressing and Identification".

[16] Void

[17] 3GPP TS 28.623: "Telecommunication management; Generic Network Resource Model (NRM) Integration Reference Point (IRP); Solution Set (SS) definitions".

[18] TM Forum TR290B: "Intent Common Model – Intent Reporting v3.6.0".