**3GPP TSG-SA5 Meeting #157 *S5-246186***

**Hyderabad, India, 14 - 18 October 2024**

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| *CR-Form-v12.1* | | | | | | | | |
| **CHANGE REQUEST** | | | | | | | | |
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|  | **28.104** | **CR** | **0123** | **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 28.104 Clarify Recommended3GPPAction | | | | | | | | | |
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| ***Source to WG:*** | Ericsson, Deutsche Telekom | | | | | | | | | |
| ***Source to TSG:*** | S5 | | | | | | | | | |
|  |  | | | | | | | | | |
| ***Work item code:*** | TEI17 | | | | |  | ***Date:*** | | | 2024-09-26 |
|  |  | | | |  | |  | | |  |
| ***Category:*** | **A** |  | | | | | ***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-15 (Release 15) Rel-16 (Release 16) Rel-17 (Release 17) Rel-18 (Release 18)* | |
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| ***Reason for change:*** | | The output as the result of an MDARequest may contain a recommendation on actions an MnS consumer can take to address an issue the MDA has analysed. The description of the dataType Recommended3GPPActions has some issues that needs to be resolved.  According to the constraints table the value of “op” can be “ADD” or “REMOVE” or “REPLACE”. Since “REPLACE” is not supported in present document the reader should be made aware of this in a NOTE under the table and not in a constraints as is the case now. | | | | | | | | |
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| ***Summary of change:*** | | 1. Correct description of “op” 2. Correct description of “value” 3. Remove the row on “additional text” 4. Add a NOTE under the tabel and remove the constraints table | | | | | | | | |
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| ***Consequences if not approved:*** | | If not addressed potential for interoperability problems. | | | | | | | | |
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| ***Clauses affected:*** | | 8.5.1, 8.5.2, 8.5.3 | | | | | | | | |
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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 for Yaml and Yang (there is no stage 3 for Yang and this dataType is not captured in Yaml) | | | | | | | | |
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| ***This CR's revision history:*** | | S5-244278 | | | | | | | | |

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| **Start of modification** |

### 8.5.2 Recommended3GPPAction <<dataType>>

#### 8.5.2.1 Definition

This data type specifies the data type of recommended 3GPP action. If multiple objects are recommended for creation, the creation of parent objects shall be recommended before the child objects.

#### 8.5.2.2 Information elements

Table 8.5.2.2-1

| Name | Definition | Support qualifier | Properties |
| --- | --- | --- | --- |
| mOInstance | Identifies the instance of a common ancestor object of the objects for which changes are recommended. | M | type: DN  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| path | The "path" and "mOInstance" identify the object, and the attribute, attribute field or multi-value attribute element, that are recommended for creation, deletion or modification. | M | type: string  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| op | It specifies the type of operation that is recommended for the MOI specified by the mOInstance or its attributes. The operation describes what an MnS consumer is recommended to do..  Allowed values: "ADD" and "REMOVE" and "REPLACE".  The operation describes what is recommended to do to the NRM.  "ADD" shall be used for recommending the creation of an object or an attribute, attribute field or multi-value attribute element.  "REMOVE" shall be used for recommending the deletion of an object or an attribute, attribute field or multi-value attribute element.  "REPLACE" shall be used for recommending the replacement of an existing attribute value, attribute field value or multi-value attribute element. | M | type: enumeration  multiplicity: 1  isOrdered: N/A  isUnique: N/A  defaultValue: None  isNullable: False |
| value | If an object creation is recommended with "ADD", the "value" shall carry a complete representation of the object that is recommended to be created .  If an object deletion is recommended with "REMOVE", the "value" shall be absent. It may optionally carry a complete representation of the object that is recommended to be deleted .  If an attribute, attribute field or multi-value attribute element creation is recommended with "ADD", the "value" shall carry the value of the recommended attribute, attribute field or multi-value attribute element.  If an attribute, attribute field or multi-value attribute element deletion is recommended with "REMOVE", the "value" shall be absent.  If the replacement of an attribute, attribute field or multi-value attribute element value is recommended with "REPLACE", the "value" shall carry the new value of the attribute, attribute field or multi-value attribute element.  If multiple objects are recommended for creation, the creation of parent objects shall be recommended before the child objects. | CM | type: AttributeValuePair (see TS 32.156 [18])  multiplicity: \*  isOrdered: False  isUnique: True  defaultValue: None  isNullable: False |
| additionalText | It provides the additional text for the recommended change. | O | type: string  multiplicity: \*  isOrdered: False  isUnique: False  defaultValue: None  isNullable: False |

NOTE: For the attribute op the value “REPLACE” is not supported in present document.

#### 8.5.2.3 Constraints

Table 8.5.2.3-1

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| Name | Definition |
| value Support Qualifier | Condition: value of op attribute is "add", or "replace". |

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| **End of modification** |