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| CHANGE REQUEST

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| Meeting ID:\* | TDE 64 |
| Source:\* | Chanchal Chauhan – cc20002008@gmail.comNeeta Meshram – mneeta@cdot.inPoornima Shandilya – poornima@cdot.in |
| Date:\* | 2024-04-24 |
| Reason for Change/s:\* | To add a new TP for handling the invalid range of enumeration type attributes |
| CR against: Release\* | Release 4 |
| CR against: WI\* | [ ]  Active <Work Item number> [x]  MNT maintenance / < Work Item number(optional)>Is this a mirror CR? Yes [ ]  No [x] [ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0018 V4.7.0 |
| Clauses \* |  |
| Type of change: \* | [ ]  Editorial change[x]  Bug Fix or Correction[ ]  Change to existing feature or functionality[ ]  New feature or functionalityOnly ONE of the above shall be ticked |
| Other TS/TR(s) impacted | <TS/TR number>, <Version Number>, and <Description on which aspect should be reflected in this TS/TR> |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR may break backwards compatibility with the last approved version of the TS? YES [ ]  NO [x]  |
| Template Version: January 2020 (do not modify) |

**oneM2M Notice**

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GUIDELINES for Change Requests:

Provide an informative introduction containing the problem(s) being solved, and a summary list of proposals.

Each CR should contain changes related to only one particular issue/problem.

If this is a correction, and the change applies to previous releases, a separate “mirror CR” should be posted at the same time as this CR

Mirror CR: applies only when the text, including clause numbering are exactly the same.

Companion CR: applies when the change means the same but the baselines differ in some way (e.g. clause number).

Follow the principle of completeness, where all changes related to the issue or problem within a deliverable are simultaneously proposed to be made e.g. a change impacting 5 tables should not only include a proposal to change only 3 tables. Include any changes to references, definitions, and abbreviations in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar.

Use change bars for modifications.

The change should include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change. Additions of complete clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the proposed new clause is located.

Multiple changes in a single CR shall be clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.

When subsequent changes are made to the content of a CR, then the accepted version should not show changes over changes. The accepted version of the CR should only show changes relative to the baseline approved text.

## Introduction

As per TS-0004, clause 6.3.4.2 the valid range for the ENUMERATION\_TYPE attributes is defined. This CR proposes to add a TP for rejecting CREATE/ UPDATE request of resources if ENUMERATION\_TYPE attributes values is outside the valid range.

R01 –All the ENUMERATION-TYPE attributes for a particular resource are consolidated in one TP

R02 – All the ENUMERATION-TYPE attributes are consolidated in one TP

----------------------Start of change 1-------------------------------------------

TP/oneM2M/CSE/DMR/CRE/024

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| **TP Id** | TP/oneM2M/CSE/DMR/CRE/024 |
| **Test objective** | Check that the IUT rejects a CREATE request when *ENUMERATION\_TYPE* attribute of *RESOURCE\_TYPE* resource is set to INVALID\_VALUE(values outside the valid range). |
| **Reference** | TS-0004, clause 6.3.4.2 |
| **Config Id** | CF01 |
| **Parent Release** | *PARENT\_RELEASE* |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state"  **and** the IUT **having registered** the AE **and** the IUT **having** a resource as TARGET\_RESOURCE\_ADDRESS **and**the Originator **having** privileges to perform CREATE operation on TARGET\_RESOURCE\_ADDRESS resource**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid CREATE Request **from** AE **containing**  Resource Type **set to** *RESOURCE\_TYPE* **and** To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE-ID **and**  Content **containing** *ENUMERATION\_TYPE* attribute **set to** INVALID\_VALUE(values outside the valid range)**}** | IUT  AE |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 4000 (BAD\_REQUEST)**}** | IUT  AE |

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| **TP Id** | **PARENT\_RELEASE** | **Reference** | **ENUMERATION\_TYPE** | **RESOURCE\_TYPE** |
| TP/oneM2M/CSE/DMR/CRE/024\_SUB\_PN | Release 3 | TS-0004, clause 6.3.4.2.17 | pendingNotification | Subscription(23) |
| TP/oneM2M/CSE/DMR/CRE/024\_SUB\_NCT | Release 3 | TS-0004, clause 6.3.4.2.18 | notificationContentType | Subscription(23) |
| TP/oneM2M/CSE/DMR/CRE/024\_SUB\_ENC/NET | Release 3 | TS-0004, clause 6.3.4.2.19 | notificationEventType | Subscription(23) |
| TP/oneM2M/CSE/DMR/CRE/024\_GRP\_MT | Release 3 | TS-0004, clause 6.3.4.2.11 | memberType | Group(9) |
| TP/oneM2M/CSE/DMR/CRE/024\_GRP\_CS | Release 3 | TS-0004, clause 6.3.4.2.12 | consistencyStrategy | Group(9) |

-----------------------------End of Change 1-----------------------------------------------------------------------------------------------

------------------------------Start of Change 2---------------------------------------------------------------------------------------------

TP/oneM2M/CSE/DMR/UPD/023

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| **TP Id** | TP/oneM2M/CSE/DMR/UPD/023 |
| **Test objective** | Check that the IUT rejects a UPDATE request when *ENUMERATION\_TYPE* attribute of *RESOURCE\_TYPE* resource is set to INVALID\_VALUE(values outside the valid range). |
| **Reference** | TS-0004, clause 6.3.4.2 |
| **Config Id** | CF01 |
| **Parent Release** | *PARENT\_RELEASE* |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state"  **and** the IUT **having registered** the AE **and** the AE **having created** a TARGET\_RESOURCE\_ADDRESS resource **containing**  *ENUMERATION\_TYPE* attribute **set to** VALID\_VALUE  **and** the AE **having** privileges to perform UPDATE operation on the TARGET\_RESOURCE\_ADDRESS resource**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid UPDATE Request **from** AE **containing**  To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_RESOURCE\_ADDRESS **and** Content **containing** *ENUMERATION\_TYPE attribute* ***set to*** INVALID**\_**VALUE*(values outside the valid range)***}** | IUT  AE |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 4000 (BAD\_REQUEST)**}** | IUT  AE |

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| **TP Id** | **PARENT\_RELEASE** | **Reference** | **ENUMERATION\_TYPE** | **RESOURCE\_TYPE** |
| TP/oneM2M/CSE/DMR/UPD/023\_SUB\_PN | Release 3 | TS-0004, clause 6.3.4.2.17 | pendingNotification | Subscription(23) |
| TP/oneM2M/CSE/DMR/UPD/023\_SUB\_NCT | Release 3 | TS-0004, clause 6.3.4.2.18 | notificationContentType | Subscription(23) |
| TP/oneM2M/CSE/DMR/UPD/023\_SUB\_ENC/NET | Release 3 | TS-0004, clause 6.3.4.2.19 | notificationEventType | Subscription(23) |

### -----------------------End of change 2---------------------------------------------

CHECK LIST

* Does this Change Request include an informative introduction containing the problem(s) being solved, and a summary list of proposals.?
* Does this CR contain changes related to only one particular issue/problem?
* Have any mirror CRs been posted?
* Does this Change Request make **all** the changes necessary to address the issue or problem? E.g. A change impacting 5 tables should not include a proposal to change only 3 tables?Does this Change Request follow the drafting rules?
* Are all pictures editable?
* Have you checked the spelling and grammar?
* Have you used change bars for all modifications?
* Does the change include the current and surrounding clauses to clearly show where a change is located and to provide technical context of the proposed change? (Additions of complete clauses need not show surrounding clauses as long as the proposed clause number clearly shows where the new clause is proposed to be located.)
* Are multiple changes in this CR clearly separated by horizontal lines with embedded text such as, start of change 1, end of change 1, start of new clause, end of new clause.?