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| CHANGE REQUEST |
| Meeting:\* | TDE #49 |
| Source:\* | TF-oneM2M |
| Date:\* | 2020-12-10 |
| Contact:\* | Miguel Angel Reina Ortega, ETSI, MiguelAngel.ReinaOrtega@etsi.org |
| Reason for Change/s:\* | New TPs for primitiveProfile release 4 |
| CR against: Release\* | Rel-4 |
| CR against: WI\* | [ ]  Active <Work Item number> [x]  MNT Maintenace / < Work Item number(optional)>[ ]  STE Small Technical Enhancements / < Work Item number (optional)>Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0018-V-4.1.0  |
| Clauses/Sub Clauses\* |  |
| Type of change: \* | [ ]  Editorial change[ ]  Bug Fix or Correction[ ]  Change to existing feature or functionality[x]  New feature or functionalityOnly ONE of the above shall be ticked |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES [x]  NO [ ] This CR is a mirror CR? YES [ ]  NO [x]  if YES, please indicate the document number of the original CR:  |
| Template Version:23 February 2015 (Dot not modify) |

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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.

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. Includes any changes to references, definitions, and acronyms in the same deliverable.

Follow the drafting rules.

All pictures must be editable.

Check spelling and grammar to the extent practicable.

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 sections need not show surrounding clauses as long as the proposed section number clearly shows where the new section is proposed to be 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 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

New TPs for primitiveProfile release 4.

R01 – Corrections to the TPs according to the discussion during presentation of the original contribution

R02 – Corrections to the TPs according to the discussion during presentation of R01

R03 – Corrections to the TPs according to CRs: SDS-2020-0129R07-TS-0001\_primitive\_profile\_maintenance\_R4 and SDS-2020-0131R0613-TS-0004-primitiveProfile\_procedures\_R4

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

TP/oneM2M/CSE/PP/001

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| **TP Id** | TP/oneM2M/CSE/PP/001 |
| **Test objective** | Check that IUT applies the referenced <primitiveProfile> over the request messages by adding the applicable parameters/attributes when the request message contains a valid Primitive Profile Identifierparameterand the referenced profile is accessible to the Hosting CSE. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a target resource at TARGET\_RESOURCE\_ADDRESS **and** the AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a <primitiveProfile>resource at PRIMITIVE\_PROFILE\_ADDRESS**containing** additions attribute **having** list of attributes to be added and AE having Retrieve privileges for the <primitiveProfile> resource**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid *OPERATION* Request from AE **containing** a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {** The IUT **applies** the profile byadding attributes defined in additions attribute **and** the IUT **sends** a valid Response to the AE**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/001\_CRE | CREATE |
| TP/oneM2M/CSE/ PP /001\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP /001\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP /001\_DEL | DELETE |

TP/oneM2M/CSE/PP/002

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| **TP Id** | TP/oneM2M/CSE/PP/002 |
| **Test objective** | Check that IUT applies the referenced *<*primitiveProfile*>* over the request messages by deleting the applicable parameters/attributes when the request message contains a valid PrimitiveProfileIdentifierparameterand the referenced profile is accessible to the Hosting CSE. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a target resource at TARGET\_RESOURCE\_ADDRESS **and** the AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS**containing** deletions attribute **having** list of attributes to be deleted and AE having Retrieve privileges for the <primitiveProfile> resource**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid *OPERATION* Request from AE **containing** a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {** The IUT **applies** the profile by deleting attributes defined in deletions **and** the IUT **sends** a valid Response to the AE**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/002\_CRE | CREATE |
| TP/oneM2M/CSE/ PP /002\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP /002\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP /002\_DEL | DELETE |

TP/oneM2M/CSE/PP/003

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| **TP Id** | TP/oneM2M/CSE/PP/003 |
| **Test objective** | Check that IUT applies the referenced *<*primitiveProfile*>* over the request messages by replacing the applicable parameters/attributes when the request message contains a valid PrimitiveProfileIdentifierparameterand the referenced profile is accessible to the Hosting CSE. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a target resource at TARGET\_RESOURCE\_ADDRESS **and** the AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS**containing** additions attribute **having** list of attributes to be replaced and AE having Retrieve privileges for the <primitiveProfile> resource**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid *OPERATION* Request from AE **containing** a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {** The IUT **applies** the profile by replacing attributes defined in additions attribute **and** the IUT **sends** a valid Response to the AE**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/003\_CRE | CREATE |
| TP/oneM2M/CSE/ PP /003\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP /003\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP /003\_DEL | DELETE |

TP/oneM2M/CSE/PP/004

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| **TP Id** | TP/oneM2M/CSE/PP/004 |
| **Test objective** | Check that the IUT rejects the request when the *<*primitiveProfile*>* resource referenced by the PrimitiveProfileIdentifierparameteris not present  |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a target resource at TARGET\_RESOURCE\_ADDRESS **and** the AE **having** the retrieve privilege for <primitiveProfile> resource to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT not having <primitiveProfile> resource **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid *OPERATION* Request from AE **containing**a valid Primitive Profile Identifier **and** To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {**the IUT **does not apply** the primitive profile  **and** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41XX (PRIMITIVE\_PROFILE\_NOT\_ACCESSIBLE)**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/004\_CRE | CREATE |
| TP/oneM2M/CSE/ PP/004\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP/004\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP/004\_DEL | DELETE |

TP/oneM2M/CSE/PP/005

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| **TP Id** | TP/oneM2M/CSE/PP/005 |
| **Test objective** | Check that the IUT rejects the request when the originator does not have retrieve privileges for *<*primitiveProfile*>* resource referenced by the PrimitiveProfileIdentifierparameter***.*** |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS **and** the AE not **having** the retrieve privilege for <primitiveProfile> resource to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid *OPERATION* Request from AE **containing**a valid Primitive Profile Identifier **and** To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {**the IUT **does not apply** the primitive profile  **and** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41XX (PRIMITIVE\_PROFILE\_NOT\_ACCESSIBLE)**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/005\_CRE | CREATE |
| TP/oneM2M/CSE/ PP/005\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP/005\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP/005\_DEL | DELETE |

TP/oneM2M/CSE/PP/006

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| **TP Id** | TP/oneM2M/CSE/PP/006 |
| **Test objective** | Check that the IUT successfully processes the request without applying the profile when the attributes in the request do not match with the referenced *<*primitiveProfile*>* resource attributes.. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.1, 6.6.3.5 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a target resource at TARGET\_RESOURCE\_ADDRESS **and** the AE **having** the retrieve privilege for resource <primitiveProfile> to perform  *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource at PRIMITIVE\_PROFILE\_ADDRESS**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid *OPERATION* Request from AE **containing**   a valid Primitive Profile Identifier **and** To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID **not matching** with the <primitiveProfile> resource attributes  **}** |  AE  IUT |
| **then {**the IUT **does not** **apply** the primitive profile  **and** **sends** the request to TARGET\_RESOURCE\_ADDRESS when the process is completed**}** | IUT  AE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/006\_CRE | CREATE |
| TP/oneM2M/CSE/ PP /006\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP /006\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP /006\_DEL | DELETE |

TP/oneM2M/CSE/PP/007

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| **TP Id** | TP/oneM2M/CSE/PP/007 |
| **Test objective** | Check that the IUT rejects the creation of <primitiveProfile> resource request when the request parameters or resource attributes defined in the additions and deletions attributes of the referenced <primitiveProfile> resource are not valid. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform CREATE operation on TARGET\_RESOURCE\_ADDRESS **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid *CREATE* Request from AE **containing** Resource Type **set to** 60? (primitiveProfile)To **set to** TARGET\_RESOURCE\_ADDRESS **and**From **set to** AE\_ID**}** |  AE  IUT |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT  AE |

TP/oneM2M/CSE/PP/008

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| **TP Id** | TP/oneM2M/CSE/PP/008 |
| **Test objective** | Check that the IUT rejects the update request of <primitiveProfile> resource when the request parameters or resource attributes defined in the additions and deletions attributes of the referenced <primitiveProfile> resource are not valid. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform UPDATE operation on PRIMITIVE\_PROFILE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource at PRIMITIVE\_PROFILE\_ADDRESS**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid UPDATE Request from AE **containing**a valid Primitive Profile Identifier **and**To **set to** PRIMITIVE\_PROFILE\_ADDRESS **and**From **set to** AE\_ID**}** | AE  IUT |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT AE |

TP/oneM2M/CSE/PP/009

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| **TP Id** | TP/oneM2M/CSE/PP/009 |
| **Test objective** | Check that the IUT rejects the creation of a <primitiveProfile> resource when a mutual exclusivity check is failed on the names of the attributes or parameters specified in the additions and, deletions attributes. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform CREATE operation on TARGET\_RESOURCE\_ADDRESS **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid CREATE Request from AE **containing** Resource Type **set to** 60? (primitiveProfile) **and**Content **containing**primitiveProfile resource **containing**additions attribute **and**deletions attribute  **not** **being** mutually exclusive**}** |  AE  IUT |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT  AE |

TP/oneM2M/CSE/PP/010

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| **TP Id** | TP/oneM2M/CSE/PP/010 |
| **Test objective** | Check that the IUT rejects the update request of <primitiveProfile> resource when a mutual exclusivity check is failed on the names of the attributes or parameters specified in the additions and deletions attributes. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform UPDATE operation on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource at PRIMITIVE\_PROFILE\_ADDRESS**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid UPDATE Request from AE **containing**To **set to** PRIMITIVE\_PROFILE\_ADDRESS **and**Content **containing**additions attribute **and**deletions attribute **not** **being** mutually exclusive**}** | AE  IUT |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT AE |

TP/oneM2M/CSE/PP/011

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| **TP Id** | TP/oneM2M/CSE/PP/011 |
| **Test objective** | Check that the IUT rejects the creation of a <*primitiveProfile*> resource when a request contains non permissible or mandatory parameters specified in the *additions* and *deletions* attributes.  |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform CREATE operation on TARGET\_RESOURCE\_ADDRESS **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid CREATE Request from AE **containing** To **set to** PRIMITIVE\_PROFILE\_ADDRESS**and**Content **containing**primitiveProfile resource **containing** additions attribute **indicating** ADD\_PARAMETER **and**deletions attribute **indicating** DEL\_PARAMETER **}** | AE  IUT |
| **then {** The IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT  AE |

TP/oneM2M/CSE/PP/012

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| **TP Id** | TP/oneM2M/CSE/PP/012 |
| **Test objective** | Check that the IUT rejects the UPDATE operation on resource <primitiveProfile> when a request contains non permissible or mandatory parameters specified in the *additions* and *deletions* attributes. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the AE **having** the privilege to perform UPDATE operation onTARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid UPDATE Request from AE **containing** To **set to** PRIMITIVE\_PROFILE\_ADDRESS**and**Content **containing**primitiveProfile resource **containing** additions attribute **indicating** ADD\_PARAMETER **and**deletions attribute **indicating** DEL\_PARAMETER**}** | AE  IUT |
| **then {** the IUT **sends** a valid Response **containing**  Response Status Code **set to** 41YY (PRIMITIVE\_PROFILE\_BAD REQUEST)**}** | IUT  AE |

TP/oneM2M/CSE/PP/013

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| **TP Id** | TP/oneM2M/CSE/PP/013 |
| **Test objective** | Check that IUT successfully applies the *<*primitiveProfile*>* to the notification (Notify request primitive) in case of nonBlockingRequestAsynch request having valid attribute PrimitiveProfileIdentifier |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS0004 [2] clause 7.5.1.2.5 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a resource representation at TARGET\_RESOURCE\_ADDRESS **and** the IUT **having received** a valid nonBlockingRequestAsynch request **containing**  a valid Primitive Profile Identifier **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS **containing** additions attribute **indicating** ADD\_PARAMETER**and**deletions attribute **indicating** DEL\_PARAMETER  **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The requested operation is completed**}** | IUT |
| **then {** The **IUT** applies the *<*primitiveProfile*>* to Notify request primitive byadding ADD\_PARAMETER **and** deleting DEL\_PARAMETER  **and** the IUT **sends** a valid NOTIFY request **containing** content representation**}** | IUT  AE |

TP/oneM2M/CSE/PP/014

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| **TP Id** | TP/oneM2M/CSE/PP/014 |
| **Test objective** | Check that IUT successfully applies the *<*primitiveProfile*>* to the response in case of nonBlockingRequestSynch request having valid Primitive Profile Identifier |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS0004 [2] clause 7.2.2.2 |
| **Config Id** | CF02 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** The IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** the <request> resource at REQUEST\_RESOURCE\_ADDRESS **and** the IUT **having received** a valid nonBlockingRequestSynch request **containing**  a valid Primitive Profile Identifier **and** the IUT **having** a *<*primitiveProfile*>* at PRIMITIVE\_PROFILE\_ADDRESS **containing** additions attribute **indicating** ADD\_PARAMETER **and**deletions attribute **indicating** DEL\_PARAMETER **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **receives** a valid RETRIEVE Request from AE **containing** To **set to** REQUEST\_RESOURCE\_ADDRESS**}** | IUT |
| **then {**the IUT **applies** the referenced *<*primitiveProfile*>* to the response by adding ADD\_PARAMETER **and** deleting DEL\_PARAMETER **and** the IUT **sends** a valid Response **containing** Content **containing**Response Status Code **set to** 2XXX **and** Response Primitive representation**}** | IUT |

TP/oneM2M/CSE/PP/015

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| **TP Id** | TP/oneM2M/CSE/PP/015 |
| **Test objective** | Check that IUT successfully applies the *<*primitiveProfile*>* to the notification request generated for the *<subscription>* resource |
| **Reference** | TS-0001 [1], clause 9.6.8, 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.1 |
| **Config Id** | CF03 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE  **and** the IUT **having** a valid *<*subscription*>* resource **containing**  a primitiveProfileID attribute **set to** PRIMITIVE\_PROFILE\_ID **and** AE **having** subscribed to the *<*subscription*>* resource **and** the IUT **having** a valid *<*primitiveProfile*>* resource **containing**resourceID attribute **set to** PRIMITIVE\_PROFILE\_ID **and** additions attribute **indicating** ADD\_PARAMETER **and**deletions attribute **indicating** DEL\_PARAMETER **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** The IUT **generates** a valid notification request for a the *<subscription>* resource **containing**primitiveProfileID**}** | IUT |
| **then {**The IUT **applies** the *<*primitiveProfile*>* resource referenced in the *primitiveProfileID* attribute to the generated notification by  adding ADD\_PARAMETER **and** deleting DEL\_PARAMETER  **and** the IUT **sends** a valid NOTIFY request **containing**content representation**}** | IUT |

TP/oneM2M/CSE/PP/016

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| **TP Id** | TP/oneM2M/CSE/PP/016 |
| **Test objective** | Check that the IUT retargets the request to the hosting CSE without applying the *<*primitiveProfile*>* when the *To* parameter contains the hosting CSE-ID which is known by the IUT  |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.1 |
| **Config Id** | CF02 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state” **and** the IUT **having registered** to a Hosting CSE (H-CSE) **and** the IUT **having registered** the AE **and** the Hosting CSE **having create** a RESOURCE on TARGET\_RESOURCE\_ADDRESS **and** the AE **having** privileges to perform *OPERATION* on the HostingCSE**}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid *OPERATION* Request **from** the AE **containing** a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_ID **}** | AE  IUT |
| **then {** The IUT **forwards** the *OPERATION* Request to Hosting CSE without applying the *<*primitiveProfile*>* resource referenced in the Primitive Profile Identifier**}** | IUT  H-CSE |

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| **TP Id** | **OPERATION** |
| TP/oneM2M/CSE/PP/016\_CRE | CREATE |
| TP/oneM2M/CSE/ PP /016\_RET | RETRIEVE |
| TP/oneM2M/CSE/ PP /016\_UPD | UPDATE |
| TP/oneM2M/CSE/ PP /016\_DEL | DELETE |

TP/oneM2M/CSE/PP/017

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| **TP Id** | TP/oneM2M/CSE/PP/017 |
| **Test objective** | Check that IUT applies the referenced *<*primitiveProfile*>* over the response messages by adding the applicable parameters/attributes when the originating AE specified a valid PrimitiveProfileIdentifierparameter in the corresponding request. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.12 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** the IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a RESOURCE at TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource **containing** resourceID attribute **set to** PRIMITIVE\_PROFILE\_ID **and** a validadditions attribute **having** list of attributes to be added **and** AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having received** a valid *OPERATION* Request from the AE **containing**a valid Primitive ProfileIdentifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_ID **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid response from a resource **containing** To **set to** AE\_ID **and**From **set to** TARGET\_RESOURCE\_ADDRESS**}** | IUT |
| **then {** the IUT **applies** the referenced primitive profile by adding attributes defined in additions attribute**and** the IUT **sends** a valid Response to the AE **containing** valid *RESPONSE\_STATUS\_CODE***}** | IUT  AE |

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| **TP Id** | **OPERATION** | **RESPONSE\_STATUS\_CODE** |
| TP/oneM2M/CSE/PP/017\_CRE | CREATE | 2001 (CREATED) |
| TP/oneM2M/CSE/ PP /017\_RET | RETRIEVE | 2000 (OK) |
| TP/oneM2M/CSE/ PP /017\_UPD | UPDATE | 2004 (UPDATED) |
| TP/oneM2M/CSE/ PP /017\_DEL | DELETE | 2002 (DELETED) |

TP/oneM2M/CSE/PP/0018

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| **TP Id** | TP/oneM2M/CSE/PP/0018 |
| **Test objective** | Check that IUT applies the referenced *<*primitiveProfile*>* over the response messages by deleting the applicable parameters/attributes when the originating AE specified a valid PrimitiveProfileIdentifierparameter in the corresponding request. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.1 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** The IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a RESOURCE at TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource **containing**resourceID attribute **set to** PRIMITIVE\_PROFILE\_ID **and**deletions attribute **having** list of attributes to be deleted **and** AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** **received** a valid *OPERATION* Request from the AE **containing**a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_ID **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid response from a resource **containing**To **set to** AE\_ID **and**From **set to** TARGET\_RESOURCE\_ADDRESS**}** | IUT |
| **then {** the IUT **applies** the referenced primitive profile by deleting attributes defined in deletions attribute**and** the IUT **sends** a valid Response to the AE **containing** valid *RESPONSE\_STATUS\_CODE* **}** | IUT  AE |

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| **TP Id** | **OPERATION** | **RESPONSE\_STATUS\_CODE** |
| TP/oneM2M/CSE/PP/018\_CRE | CREATE | 2001 (CREATED) |
| TP/oneM2M/CSE/ PP /018\_RET | RETRIEVE | 2000 (OK) |
| TP/oneM2M/CSE/ PP /018\_UPD | UPDATE | 2004 (UPDATED) |
| TP/oneM2M/CSE/ PP /018\_DEL | DELETE | 2002 (DELETED) |

TP/oneM2M/CSE/PP/019

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| **TP Id** | TP/oneM2M/CSE/PP/019 |
| **Test objective** | Check that IUT applies the referenced *<*primitiveProfile*>* over the response messages by replacing the applicable parameters/attributes when the originating AE specified a valid PrimitiveProfileIdentifierparameter in the corresponding request. |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** The IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a RESOURCE at TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource **containing** resourceID attribute **set to** PRIMITIVE\_PROFILE\_ID **and**additions attribute **having** list of attributes to be replaced **and** AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** **received** a valid *OPERATION* Request from the AE **containing**a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_ID **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid response from a resource **containing**To **set to** AE\_ID **and**From **set to** TARGET\_RESOURCE\_ADDRESS**}** | IUT |
| **then {** the IUT **applies** the referenced primitive profile by replacing attributes defined in additions attribute**and** the IUT **sends** a valid Response to the AE **containing** valid *RESPONSE\_STATUS\_CODE* **}** | IUT  AE |

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| **TP Id** | **OPERATION** | **RESPONSE\_STATUS\_CODE** |
| TP/oneM2M/CSE/PP/019\_CRE | CREATE | 2001 (CREATED) |
| TP/oneM2M/CSE/ PP /019\_RET | RETRIEVE | 2000 (OK) |
| TP/oneM2M/CSE/ PP /019\_UPD | UPDATE | 2004 (UPDATED) |
| TP/oneM2M/CSE/ PP /019\_DEL | DELETE | 2002 (DELETED) |

TP/oneM2M/CSE/PP/020

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| **TP Id** | TP/oneM2M/CSE/PP/020 |
| **Test objective** | Check that IUT successfully applies the <primitiveProfile> to the representation of the requested resource returned in the Content parameter of the response and If the Content parameter of the response includes nested representations of child resource(s) and their descendant(s), the Hosting CSE shall not apply the profile to these child resource(s) or descendant(s). |
| **Reference** | TS-0001 [1], clause 9.6.73, 10.2.25, TS-0004 [2] clause 7.3.3.12 |
| **Config Id** | CF01 |
| **Parent Release** | Release 4 |
| **PICS Selection** | PICS\_CSE |
| **Initial conditions** | **with {** The IUT **being** in the "initial state" **and** the IUT **being** a hosting CSE **and** the IUT **having registered** an AE **and** the IUT **having** a RESOURCE at TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** a *<*primitiveProfile*>* resource **containing** resourceID attribute **set to** PRIMITIVE\_PROFILE\_ID **and**modifications attribute **having** list of attributes to be modified **and** AE **having** the privilege to perform *OPERATION* on TARGET\_RESOURCE\_ADDRESS **and** the IUT **having** **received** a valid *OPERATION* Request from the AE **containing**a valid Primitive Profile Identifier **and**To **set to** TARGET\_RESOURCE\_ADDRESS **and** From **set to** AE\_ID **}** |
| **Expected behaviour** | **Test events** | **Direction** |
| **when {** the IUT **receives** a valid response from a resource **containing**To **set to** AE\_ID **and**From **set to** TARGET\_RESOURCE\_ADDRESS Content **containing** Resource representation **containing** nested representations of child resources and their descendants**}** | IUT |
| **then {** the IUT **applies** the referenced primitive profile on the requested resource representation and ignore the child resource(s) or descendant(s) of the resource representation.**and** the IUT **sends** a valid Response to the AE **containing** valid *RESPONSE\_STATUS\_CODE* **}** | IUT  AE |

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| **TP Id** | **OPERATION** | **RESPONSE\_STATUS\_CODE** |
| TP/oneM2M/CSE/PP/020\_CRE | CREATE | 2001 (CREATED) |
| TP/oneM2M/CSE/ PP /020\_RET | RETRIEVE | 2000 (OK) |
| TP/oneM2M/CSE/ PP /020\_UPD | UPDATE | 2004 (UPDATED) |
| TP/oneM2M/CSE/ PP /020\_DEL | DELETE | 2002 (DELETED) |

## ---------------------- End of change 1 -----------------------

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?
* Does this change request make **all** the changes necessary to address the issue or problem? E.g. A change impacting 5 tables should not only include a proposal to change only 3 tables. Includes any changes to references, definitions, and acronyms in the same deliverable?
* 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 sections need not show surrounding clauses as long as the proposed section number clearly shows where the new section 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.?