|  |  |
| --- | --- |
| CHANGE REQUEST | |
| Meeting:\* | TST |
| Source:\* | Convida |
| Date:\* | 2017-11-05 |
| Contact:\* | Flynn Bob，Convida Wireless; [Flynn.Bob@convidawireless.com](mailto:Flynn.Bob@convidawireless.com) |
| Reason for Change/s:\* | Editorial changes in pre-condition/objective for Semantic Descriptor and ContentInstance resource. |
| CR against: Release\* | Release 2 v 2.3.0 |
| CR against: WI\* | Active < >  MNT Maintenance / < [WI-0002](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=3898) - Architecture>  STE Small Technical Enhancements / < Work Item number (optional)>  Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0013 |
| Clauses/Sub Clauses\* | 8.1.5.7, 8.1.5.8, 8.1.16.2, 8.1.16.3, 8.1.16.4, 8.1.15.7, 6.1 |
| Type of change: \* | Editorial change  Bug Fix or Correction  Change to existing feature or functionality  New feature or functionality  Only ONE of the above shall be ticked |
| Post Freeze checking:\* | This CR contains only essential changes and corrections? YES  NO  This CR may break backwards compatibility with the last approved version of the TS? YES  NO  This CR is a mirror CR? YES  if YES, please indicate the document number of the original CR: <Document Number) : NO |
| Template Version:27 May 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.

In case of a correction, and the change apply to previous releases, a separated “mirror CR” should be posted at the same time of this CR

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

This contribution is to propose few editorial changes in TS-0013-Interopability\_Testing-V2\_3\_0 specification.

Change 1,2, :

latest content instance test object is to get latest among the existing contentInstances. Ensure pre-condition specifies that multiple contentInstances are created.

Fix target specified in PRO check step 2

Change 3,4:

adds detail that semanticDescriptor is under <AE>. DO WE THINK THIS IS NEEDED? I think it is not needed for InterOp.

Change 5:

adds detail that semanticDescriptor is under <AE>. DO WE THINK THIS IS NEEDED? I think it is not needed for InterOp.

Fixes Objective statement

Change 6:

Corrects spelling in Objective statement

Change 7:

Updates test list table to reflect changes previously described for test objectives.

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

#### 8.1.5.7 <latest> ContentInstance Retrieve

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_71 |
| **Objective:** | | | AE retrieves a <latest> resource of a <container> and the Registrar CSE points a latest <contentInstance> among the existing contentInstances to the <latest> resource of the <container> |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0001 [1], clause 10.2.22.1  TS-0004 [2], clause 7.4.27.2.2 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an Application Entity resource <AE> on Registrar CSE * AE has created a container resource <container> on Registrar CSE * AE has created multiple contentInstance resources <contentInstance> as child resource of <container> resource |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a Retrieve Request for a <latest> |
| 2 | Mca | PRO Check Primitive | * op = 2 (Retrieve) * to = {CSEBaseName}/URI of <container> resource/la * fr = AE-ID * rqi = (token-string) * pc = empty |
| 3 | Mca | PRO Check Primitive | * rsc =2000 (OK) * rqi = (token-string) same as received in request message * pc = Serialized representation of latest <contentInstance> resource |
| 4 |  | IOP Check | AE indicates successful operation |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

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

### -----------------------Start of change 2-------------------------------------------

#### 8.1.5.8 <oldest> ContentInstance Retrieve

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_72 |
| **Objective:** | | | AE retrieves a <oldest> resource of a <container> and the Registrar CSE points a oldest <contentInstance> among the existing contentInstances to the <oldest> resource of the <container> |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0001 [1], clause 10.2.23.1  TS-0004 [2], clause 7.4.28.2.2 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an Application Entity resource <AE> on Registrar CSE * AE has created a container resource <container> on Registrar CSE * AE has created multiple contentInstance resources <contentInstance> as child resource of <container> resource |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a Retrieve Request for a <oldest> |
| 2 | Mca | PRO Check Primitive | * op = 2 (Retrieve) * to = {CSEBaseName}/URI of <container> resource/ol * fr = AE-ID * rqi = (token-string) * pc = empty |
| 3 | Mca | PRO Check Primitive | * rsc =2000 (OK) * rqi = (token-string) same as received in request message * pc = Serialized representation of oldest <contentInstance> resource |
| 4 |  | IOP Check | AE indicates successful operation |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

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

### -----------------------Start of change 3-------------------------------------------

#### 8.1.16.2 SemanticDescriptor Retrieve

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_76 |
| **Objective:** | | | AE retrieves information of a semanticDescriptor resource via a semanticDescriptor Retrieve Request |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0034 [13], clause 6.1.3  TS-0004 [2], clause 7.4.34.2.2 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an Application Entity resource <AE> on Registrar CSE * AE has created a semanticDescriptor resource <semanticDescriptor> as child resource of <AE> resource |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a Retrieve Request for a <semanticDescriptor> |
| 2 | Mca | PRO Check Primitive | * op = 2 (Retrieve) * to = {CSEBaseName}/URI of <semanticDescriptor> resource * fr = AE-ID * rqi = (token-string) * pc = empty |
| 3 | Mca | PRO Check Primitive | * rsc =2000 (OK) * rqi = (token-string) same as received in request message * pc = Serialized representation of <semanticDescriptor> resource |
| 4 |  | IOP Check | AE indicates successful operation |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

### -----------------------End of change 3--------------------------------------------

### -----------------------Start of change 4-------------------------------------------

#### 8.1.16.3 SemanticDescriptor Update

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_77 |
| **Objective:** | | | AE updates attribute in <semanticDescriptor> resource via a semanticDescriptor Update Request |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0034 [13], clause 6.1.4  TS-0004 [2], clause 7.4.34.2.3 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an Application Entity resource <AE> on Registrar CSE * AE has created a semanticDescriptor resource <semanticDescriptor> as child resource of <AE> resource |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a semanticDescriptor Update Request to update the *descriptor* attribute of the resource. |
| 2 | Mca | PRO Check Primitive | * op = 3 (Update) * to = {CSEBaseName}/URI of <semanticDescriptor> resource * fr = AE-ID * rqi = (token-string) * pc = Serialized representation of updated <semanticDescriptor> resource |
| 3 |  | IOP Check | Check if possible that the <semanticDescriptor> resource is updated in Registrar CSE. |
| 4 | Mca | PRO Check Primitive | * rsc = 2004 (Updated) * rqi = (token-string) same as received in request message * pc = Serialized representation of <semanticDescriptor> resource |
| 5 |  | IOP Check | AE indicates successful operation |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

### -----------------------End of change 4--------------------------------------------

### -----------------------Start of change 5-------------------------------------------

#### 8.1.16.4 SemanticDescriptor Delete

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_78 |
| **Objective:** | | | AE deletes SemanticDescriptor resource via a SemanticDescriptor Delete Request |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0034 [13], clause 6.1.5  TS-0004 [2], clause 7.4.34.2.4 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an Application Entity resource <AE> on Registrar CSE * AE has created a semanticDescriptor resource <semanticDescriptor> as child of <AE> resource |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a semanticDescriptor Delete Request |
| 2 | Mca | PRO Check Primitive | * op = 4 (Delete) * to = {CSEBaseName}/URI of <semanticDescriptor> resource * fr = AE-ID * rqi = (token-string) * pc = empty |
| 3 |  | IOP Check | Check if possible that the <semanticDescriptor> resource is deleted in Registrar CSE. |
| 4 | Mca | PRO Check Primitive | * rsc = 2002 (DELETED) * rqi = (token-string) same as received in request message * pc = empty |
| 5 |  | IOP Check | Check if possible that the <semanticDescriptor> resource has been removed in Registrar CSE. |
| 6 |  | IOP Check | AE indicates successful operation. |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

### -----------------------End of change 5--------------------------------------------

### -----------------------Start of change 6-------------------------------------------

#### 8.1.15.7 execInstance Update (Cancel)

| **Interoperability Test Description** | | | |
| --- | --- | --- | --- |
| **Identifier:** | | | TD\_M2M\_NH\_69 |
| **Objective:** | | | AE updates attribute ‘execDisable’ to true in execInstance resource to cancel pending management command. |
| **Configuration:** | | | M2M\_CFG\_01 |
| **References:** | | | TS-0001 [1], clause 10.2.9.7  TS-0004 [2], clause 7.4.17.2.1 |
|  | | | |
| **Pre-test conditions:** | | | * AE has created an application resource <AE> on Registrar CSE * AE has created a node resource <node> on Registrar CSE * AE has created a mgmtCmd resource <mgmtCmd> on Registrar CSE * AE has executed the mgmtCmd resource <mgmtCmd> on Registrar CSE (update execEnable attribute with ‘true’) |
| **Test Sequence** | | | |
| **Step** | **RP** | **Type** | **Description** |
| 1 |  | Stimulus | AE is requested to send a execInstance Update Request |
| 2 | Mca | PRO Check Primitive | * op = 3 (Update) * to = {CSEBaseName}/{mgmtCmd}/{execInstacne} * fr = AE-ID * rqi = (token-string) * pc = Serialized representation of <execInstance> resource |
| 3 |  | IOP Check | Check if possible that the <execInstance> resource is updated in Registrar CSE. |
| 4 | Mca | PRO Check Primitive | * rsc = 2004 (UPDATED) * rqi = (token-string) same as received in request message * pc = Serialized representation of <execInstance> resource |
| 5 |  | IOP Check | AE indicates successful operation |
| IOP Verdict | |  | |
| PRO Verdict | |  | |

### -----------------------End of change 6--------------------------------------------

### -----------------------Start of change 7-------------------------------------------

## 6.1 Tests list

| Nb | Procedure/Resource | TD ID | TD Description |
| --- | --- | --- | --- |
| 1 | CSEBase Management | TD\_M2M\_NH\_01 | AE retrieves the CSEBase resource |
| 2 | RemoteCSE | TD\_M2M\_NH\_02 | Registree CSE registers to Registrar CSE |
| 3 | TD\_M2M\_NH\_03 | Registree CSE retrieves RemoteCSE from Registrar CSE |
| 4 | TD\_M2M\_NH\_04 | Registree CSE updates RemoteCSE from Registrar CSE |
| 5 | TD\_M2M\_NH\_05 | Registree CSE deletes RemoteCSE from Registrar CSE |
| 6 | Application Entity | TD\_M2M\_NH\_06 | AE registers to its registrar CSE via an AE Create Request |
| 7 | TD\_M2M\_NH\_07 | AE retrieves <AE> resource via an AE Retrieve Request |
| 8 | TD\_M2M\_NH\_08 | AE updates attribute in <AE> resource via an AE Update Request |
| 9 | TD\_M2M\_NH\_09 | AE de-registers by deleting <AE> resource via an AE Delete Request |
| 10 | Container | TD\_M2M\_NH\_10 | AE creates a container resource in registrar CSE via a container Create Request |
| 11 | TD\_M2M\_NH\_11 | AE retrieves information of a container resource via a container Retrieve Request |
| 12 | TD\_M2M\_NH\_12 | AE updates attribute in application resource via a container Update Request |
| 13 | TD\_M2M\_NH\_13 | AE deletes a specific container resource via a container Delete Request |
| 14 | ContentInstance | TD\_M2M\_NH\_14 | AE adds a contentInstance resource <contentInstance> to a specific container in Registrar CSE via a contentInstance Create Request and the registrar CSE updates the parent <container> resource with *stateTag,* and *currentNrOfInstances, CurrentByteSize* attributes correspondingly |
| 15 | TD\_M2M\_NH\_15 | AE retrieves information of a contentInstance resource via a contentInstance Retrieve Request |
| 16 | TD\_M2M\_NH\_17 | AE deletes contentInstance resource via a Delete Request and the registrar CSE updates the parent <container> resource with *currentNrOfInstances,* and *CurrentByteSize* attribute correspondingly |
| 17 | TD\_M2M\_NH\_49 | AE deletes a <latest> resource in a <container> and the Registrar CSE points a latest <contentInstance> among the existing contentInstances to the <latest> resource of the <container> |
| 18 | TD\_M2M\_NH\_50 | AE deletes a <oldest> resource in a <container> resource and the Registrar CSE points an oldest <contentInstance> among the existing contentInstances to the <oldest> resource of the <container> |
| 19 | TD\_M2M\_NH\_51 | AE sends a <contentInstance> CREATE request to a <container> which contains attribute *currentNrOfInstances* whose value equals to that of *maxNrOfInstances* and Registrar CSE deletes the oldest <contentInstance> from the parent <container> and then creates the requested <contentInstance> resource |
| 20 | TD\_M2M\_NH\_71 | AE retrieves a <latest> resource of a <container> and the Registrar CSE points a latest <contentInstance> among the existing contentInstances to the <latest> resource of the <container> |
| 21 | TD\_M2M\_NH\_72 | AE retrieves a <oldest> resource of a <container> and the Registrar CSE points a oldest <contentInstance> among the existing contentInstances to the <oldest> resource of the <container> |
| 22 | Discovery | TD\_M2M\_NH\_18 | AE discovers resources residing in Registrar CSE |
| 23 | TD\_M2M\_NH\_19 | AE discovers accessible resources residing in Registrar CSE using the label filter criteria |
| 24 | TD\_M2M\_NH\_20 | AE discovers accessible resources residing in Registrar CSE limiting the number of matching resources to the specified value. |
| 25 | TD\_M2M\_NH\_21 | AE discovers accessible resources residing in Registrar CSE using multiple Filter Criteria |
| 26 | TD\_M2M\_NH\_58 | AE discovers accessible resources residing in Registrar CSE using the level filter criteria value set to 1 |
| 27 | TD\_M2M\_NH\_59 | AE discovers accessible resources residing in Registrar CSE using the level filter criteria value set to 2 |
| 28 | TD\_M2M\_NH\_60 | AE1 discovers accessible resources residing in Registrar CSE using the level filter criteria value set to 3 |
| 29 | TD\_M2M\_NH\_61 | AE discovers accessible resources residing in Registrar CSE using the offset filter criteria value set to 3 |
| 30 | TD\_M2M\_NH\_62 | AE discovers all the accessible resources residing in Registrar CSE using the offset filter criteria |
| 31 | Subscription | TD\_M2M\_NH\_22 | AE creates a subscription to Application Entity resource via subscription Create Request |
| 32 | TD\_M2M\_NH\_23 | AE retrieves information about a subscription via subscription Retrieve Request such as expirationTime, labels, etc. |
| 33 | TD\_M2M\_NH\_24 | AE updates information about a subscription via subscription Retrieve Request |
| 34 | TD\_M2M\_NH\_25 | AE cancels subscription via an subscription Delete Request |
| 35 | AccessControlPolicy | TD\_M2M\_NH\_26 | AE creates an accessControlPolicy resource |
| 36 | TD\_M2M\_NH\_27 | AE retrieves accessControlPolicy resource |
| 37 | TD\_M2M\_NH\_28 | AE updates attribute in accessControlPolicy resource |
| 38 | TD\_M2M\_NH\_29 | AE deletes accessControlPolicy resource |
| 39 | TD\_M2M\_NH\_30 | AE delete request is rejected due to accessControlPolicy |
| 40 |  | TD\_M2M\_NH\_73 | AE delete request is rejected due to accessControlPolicy (accessControlOriginators) |
| 41 | TD\_M2M\_NH\_74 | AE delete request is allowed due to accessControlPolicy |
| 42 | Group | TD\_M2M\_NH\_31 | AE creates a group resource |
| 43 | TD\_M2M\_NH\_32 | AE retrieves group resource |
| 44 | TD\_M2M\_NH\_33 | AE updates attribute in group resource |
| 45 | TD\_M2M\_NH\_34 | AE deletes group resource |
| 46 | Node | TD\_M2M\_NH\_35 | AE creates a node resource |
| 47 | TD\_M2M\_NH\_36 | AE retrieves node resource |
| 48 | TD\_M2M\_NH\_37 | AE updates attribute in node resource |
| 49 | TD\_M2M\_NH\_38 | AE deletes node resource |
| 50 | PollingChannel | TD\_M2M\_NH\_39 | AE creates a <pollingChannel> resource in registrar CSE via a Create Request |
| 51 | TD\_M2M\_NH\_40 | AE retrieves information of a pollingChannel resource via a Retrieve Request |
| 52 | TD\_M2M\_NH\_41 | AE updates attribute in pollingChannel resource via a Update Request |
| 53 | TD\_M2M\_NH\_42 | AE deletes a pollingChannel resource via a Delete Request |
| 54 | TD\_M2M\_NH\_43 | AE retrieves information of a pollingChannel resource via a Retrieve Request |
| 55 | FanoutPoint | TD\_M2M\_NH\_44 | AE creates a <contentInstance> resource in each group member |
| 56 | TD\_M2M\_NH\_45 | AE retrieves the <container> resource from in each group member |
| 57 | TD\_M2M\_NH\_46 | AE updates an <container> resource of each member resource |
| 58 | TD\_M2M\_NH\_47 | AE deletes a <container> ofeach member |
| 59 | Notification | TD\_M2M\_NH\_48 | AE receives a notification request from the HOST CSE |
| 60 | FlexContainer | TD\_M2M\_NH\_52 | AE creates a flexcontainer resource in Registrar CSE via a flexcontainer Create Request |
| 61 | TD\_M2M\_NH\_53 | AE retrieves information of a flexContainer resource via a flexContainer Retrieve Request |
| 62 | TD\_M2M\_NH\_54 | AE updates attribute in application resource via a flexContainer Update Request |
| 63 | TD\_M2M\_NH\_55 | AE deletes a specific container resource via a container Delete Request |
| 64 | TD\_M2M\_NH\_56 | AE receives a notification request on flexContainer update from the HOST CSE |
| 65 | TD\_M2M\_NH\_57 | AE discovers accessible resources residing in Registrar CSE using attribute filter criteria which has a customAttribute name and value assigned to it. |
| 66 | External Management Operations | TD\_M2M\_NH\_63 | AE creates a mgmtCmd resource |
| 67 | TD\_M2M\_NH\_64 | AE retrieves mgmtCmd resource |
| 68 | TD\_M2M\_NH\_65 | AE updates attribute (not with ‘true’ in execEnable attribute) in mgmtCmd resource |
| 69 | TD\_M2M\_NH\_66 | AE updates attribute (with ‘true’ in execEnable attribute) in mgmtCmd resource |
| 70 | TD\_M2M\_NH\_67 | AE deletes mgmtCmd resource |
| 71 | TD\_M2M\_NH\_68 | AE retrieves execInstance resource |
| 72 | TD\_M2M\_NH\_69 | AE updates attribute ‘execDisable’ to true in execInstance resource to cancel pending management command. |
| 73 | TD\_M2M\_NH\_70 | AE deletes execInstance resource |
| 74 | SemanticDescriptor Management | TD\_M2M\_NH\_75 | AE creates a SemanticDescriptor resource in Registrar CSE via a SemanticDescriptor Create Request |
| 75 | TD\_M2M\_NH\_76 | AE retrieves information of a semanticDescriptor resource via a semanticDescriptor Retrieve Request |
| 76 | TD\_M2M\_NH\_77 | AE updates attribute in <semanticDescriptor> resource via a semanticDescriptor Update Request |
| 77 | TD\_M2M\_NH\_78 | AE deletes SemanticDescriptor resource via a SemanticDescriptor Delete Request |
| 78 | Semantic Resource Discovery | TD\_M2M\_NH\_79 | AE discovers accessible resources residing in Registrar CSE using the semanticFilter filter criteria |
| 79 | Synchronous request | TD\_M2M\_NB\_01 | AE creates a container resource using non blocking synchronous request in registrar CSE |
| 80 | TD\_M2M\_NB\_02 | AE retrieves a Container resource using non blocking synchronous request in registrar CSE |
| 81 | TD\_M2M\_NB\_03 | AE updates a Container resource using non blocking synchronous request in registrar CSE |
| 82 | TD\_M2M\_NB\_04 | AE deletes a Container resource using non blocking synchronous request |
| 83 | Asynchronous request | TD\_M2M\_NB\_05 | AE creates a container resource using non blocking asynchronous request |
| 84 | TD\_M2M\_NB\_06 | AE retrieves a Container resource using non blocking asynchronous request |
| 85 | TD\_M2M\_NB\_07 | AE updates a Container resource using non blocking asynchronous request |
| 86 | TD\_M2M\_NB\_08 | AE deletes a Container resource using non blocking asynchronous request |
| 87 | Retargeting | TD\_M2M\_SH\_01 | AE creates a remote <Resource> resource |
| 88 | TD\_M2M\_SH\_02 | AE retrieves a remote <Resource> resource |
| 89 | TD\_M2M\_SH\_03 | AE updates a remote <Resource> resource |
| 90 | TD\_M2M\_SH\_04 | AE delete a remote <Resource> resource |
| 91 | Discovery | TD\_M2M\_SH\_09 | AE discovers accessible resources residing in the remote Hosting CSE using multiple Filter Criteria |
| 92 | Unauthorized operation | TD\_M2M\_SH\_10 | AE delete request is rejected after access rights verification using retargeting. |
| 93 | Notification | TD\_M2M\_SH\_11 | AE receives a notification request from the remote hosting CSE |
| 94 | mgmtObj | TD\_M2M\_SH\_05 | AE creates a <mgmtObj> resource |
| 95 | TD\_M2M\_SH\_06 | AE updates a <mgmtObj> resource |
| 96 | TD\_M2M\_SH\_07 | AE retrieves a <mgmtObj> resource |
| 97 | TD\_M2M\_SH\_08 | AE deletes a <mgmtObj> resource |
| 98 | Announcement | TD\_M2M\_SH\_12 | AE1 announces itself to CSE2 |
| 99 | TD\_M2M\_SH\_13 | AE1 announces a child container to CSE2 |
| 100 | TD\_M2M\_SH\_14 | AE1 announces an Optional Announce attribute to CSE2 |
| 101 | TD\_M2M\_SH\_15 | AE2 retrieves an Announced Resource |
| 102 | TD\_M2M\_SH\_16 | AE2 retrieves the original resource respresentation of an announced resource |
| 103 | fanOut | TD\_M2M\_SH\_17 | AE creates a <contentInstance> resource in each group member, where some memberIDs are on a remoteCSE |
| 104 | TD\_M2M\_SH\_18 | AE retrieves a <contentInstance> resource from each group member, where some memberIDs are on a remoteCSE |
| 105 | TD\_M2M\_SH\_19 | AE updates a <container> resource in each group member, where some memberIDs are on a remoteCSE |
| 106 | TD\_M2M\_SH\_20 | AE deletes a <contentInstance> resource from each group member, where some memberIDs are on a remoteCSE |
| 107 | Secure AE Registration | TD\_M2M\_SE\_01 | AE uses Provisioned Symmetric Key Security Association Establishment Framework to enable mutual authentication with the Registrar CSE. Registrar CSE performs AE authorization check on incoming AE registration request. |

### -----------------------End of change 7--------------------------------------------

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 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.)
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