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| --- | --- |
| CHANGE REQUEST | |
| Meeting ID:\* | TDE 51 |
| Source:\* | Bob Flynn (Exacta GSS); bob.flynn@exactagss.com |
| Date:\* | 17 Nov 2021 |
| Reason for Change/s:\* | SDT Test Purposes |
| CR against: Release\* | Rel-4 |
| CR against: WI\* | Active <Work Item number>  MNT maintenance / < Work Item number(optional)>  Is this a mirror CR? Yes  No  mirror CR number: (Note to Rapporteur - use latest agreed revision)  STE Small Technical Enhancements / < Work Item number (optional)>  Only ONE of the above shall be ticked |
| CR against: TS/TR\* | TS-0018 v4.4.0 |
| Clauses \* |  |
| 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 |
| Other TS/TR(s) impacted | None |
| 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 |
| Template Version: January 2019 (do not modify) | |

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# Introduction

Existing SDT test cases check that the IUT creates the proper resources in the CSE. Those test can be applied to an AE modeling a SDT device or an IPE modeling a SDT device on behalf of a NODN.

|  |  |
| --- | --- |
| **TP Id** | TP/oneM2M/AE/HAIM/CRE/001 |
| **Test objective** | Check that the IUT creates a *[HAIM\_DEVICE]* resourceas a specialization of the <flexContainer>resourceon the hosting CSE using the appropriate ‘DeviceClass ID’ |
| **TP Id** | TP/oneM2M/AE/HAIM/CRE/002 |
| **Test objective** | Check that the IUT creates a [HAIM\_MODULE] resource as a specialization of the <flexContainer> resource and as a child of [HAIM\_DEVICE] resouce on the hosting CSE using the appropriate ModuleClass ID |
| **TP Id** | TP/oneM2M/AE/HAIM/CRE/003 |
| **Test objective** | Check that the IUT creates the appropriate Properties, according to the HAIM\_DEVICE model, as [customAttribute] attributes of a [deviceInfo] resource which is a child-resource of the <node> resource linked by the nodelink attribute of the HAIM\_DEVICE model |
| **TP Id** | TP/oneM2M/AE/HAIM/CRE/004 |
| **Test objective** | Check that the IUT creates the appropriate Properties, according to the HAIM\_MODULE model, as [customAttribute] attributes of the [HAIM\_MODULE] resource on the hosting CSE, with [customAttribute] name set to the prefix ‘prop’ plus the Property name |
| **TP Id** | TP/oneM2M/AE/HAIM/CRE/005 |
| **Test objective** | Check that the IUT creates the appropriate DataPoints, according to the HAIM\_MODULE model, as [customAttribute] attributes of the [HAIM\_MODULE] resource on the hosting CSE, with [customAttribute] name set to the Datapoint name |

In these test cases, given the proper resource tree structure exists, the test system will check that the device responds appropriately, for example response to an action by toggling a switch value.

Each action is listed in the parameter table of the test purpose

Table 5.3.1.1-1: Actions of 3Dprinter

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Return Type | Name | Argument | Optional | Documentation |
| none | start3Dprint | none | true | Start 3D printing. |
| none | stop3Dprint | none | true | Stop 3D printing. |

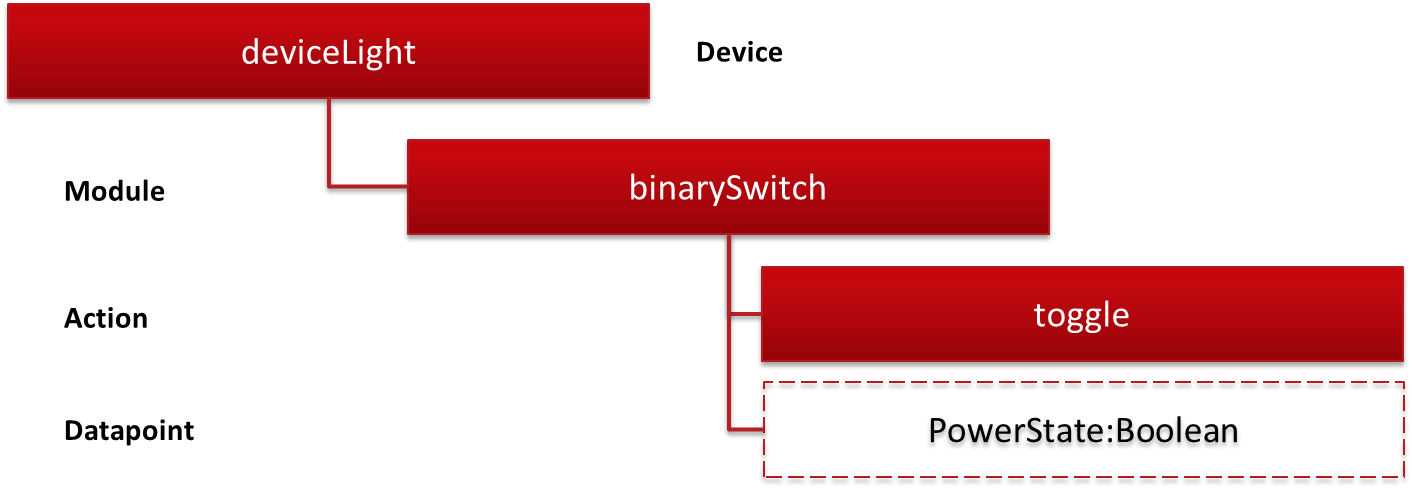
Based on the mapping rules in TS-34 the following conditions have to be checked in the test purpose:

1. Rule 3-1: container definition shall be org.onem2m.[domain].action.[action name]
   1. domain is a component of the permutation table
   2. action name is a component of the permutation table
2. Rule 3-2: permutation table will have a column named [Custom Attributes] containing
   1. Arguments of the module, if any
   2. ‘resut’ if the module returns a result
3. Rule 3-3: CSE test purpose – NA for AE/IPE
4. Rule 3-4: separate test purpose(s) for triggering the action
5. Rule 3-5: permutation table will have a column named “action\_name” (use ACTION\_MODULE instead)
6. Rule 3-6: check format of return type for listed actions

* One test purpose to check that the action resource is created correctly.
* One test purpose to check that the actions are triggered correctly. (update custom attribute or *empty content*)
* One test purpose to check that actions that return a complex value are encoded as a JSON structure and returned serialized in an xs:string -> not written because there are no actions of this type

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **TP Id** | **Domain** | **Custom Attributes** | **SDT\_MODULE** | **ACTION\_NAME** |
| TP/oneM2M/AE/HAIM/CRE/005\_ACT | Common | none | 3Dprinter | start3Dprint |
| TP/oneM2M/AE/HAIM/CRE/005\_ACU | Common | none | 3Dprinter | stop3Dprint |

|  |  |
| --- | --- |
| **Test objective** | Check that the IUT creates the appropriate **Actions** resources, according to the *SDT\_DEVICE* model. |
| **Test objective** | Check that the IUT responds correctly to when its Action resource is triggered, according to the *SDT\_DEVICE* model. |



As an example, for a deviceLight containing a binarySwitch, the first test purpose verifies that the toggle resource is created properly.

### 6.2.4Resource mapping for Action

Actions defined as part of a ModuleClass model shall be mapped to the specializations of a <flexContainer> resource. The following rules shall be applied:

* Rule 3-1: The *containerDefinition* attribute shall be set according to 6.4.4.
* Rule 3-2: When the Action supports any 'Arguments', they are mapped to [customizedAttribute] with their variable names (short names are given in clause 6.3.4). When the Action supports a 'Return Type', it is mapped to a [customizedAttribute] named ‘result’ (short name ‘resut’). The keyword ‘result’ is reserved and cannot be used as an Argument name.
* Rule 3-3: XSD file for each Action shall be named according to 6.5.4.
* Rule 3-4: The Action shall be triggered:
  + by updating at least one of the Arguments custom attributes with any value, if the action has at least one argument, or
  + by updating the <flexContainer> resource with *empty content* if it has no argument
* Rule 3-5: The *resourceName* attribute for each Action model that appears as a child of a ModuleClass model shall be CREATED with the value set to “Action name”.
* Rule 3-6: If an action returns a value that is of a complex data type, i.e. not one of the standard scalar types, then this value shall be encoded as a JSON structure and returned serialized in an xs:string.

### 6.3.4 Resource attributes for actions arguments

In protocol bindings resource attributes names for arguments of actions shall be translated into short names of Table 6.3.4-1.

Table 6.3.4‑1: Resource attribute short names (Action arguments)

|  |  |  |
| --- | --- | --- |
| Argument Name | Occurs in | Short Name |
| address | readIO, writeIO | ***addrs*** |
| name | deployPackage | ***name*** |
| payload | writeIO | ***payld*** |
| rebootType | reboot | ***rebTe*** |
| url | deployPackage, updateFirmware, update | ***url*** |
| version | deployPackage, updateFirmware, update | ***versn*** |

### 6.4.4 Actions

Depending on the domain, the containerDefinition attribute of specializations for actions shall have the values

that comply with the following rule.

* Rule: “org.onem2m.[domain].action.[action name]”, where [domain] is one of the following names: “agriculture”, “city”, “common”, “health”, “home”, “industry”, “railway”, “vehicular” and “management”. The name is chosen according to the domain in which the action is defined.

For example, the containerDefinition attribute of the specialization for “activateClockTimer” action in the “timer” module class of the “common” domain shall be “org.onem2m.common.action.activateClocktimer”, the containerDefinition attribute of the specialization for the “activate” action of the “dmSoftware” module class of the “management” domain shall be “org.onem2m.management.action.activate”.

### 6.5.4 XSD definitions for Action

The XSD definitions for Actions are specified upon the following rule.

* Rule: [Domain Prefix]-act-[action name]-v<TS-version>.xsd where the string '<TS-version>' shall be interpreted as the version of the present document

For example, the XSD definition for activateClockTimer specified in TS-0023 v4.3.0 shall be “HOD-act- activateClockTimer -v4\_3\_0.xsd”.

### -----------------------Start of new text 1-------------------------------------------

TP/oneM2M/AE/SDT/CRE/006

|  |  |  |  |
| --- | --- | --- | --- |
| **TP Id** | | TP/oneM2M/AE/SDT/CRE/006 | |
| **Test objective** | | Check that the IUT creates the child Action module resources according to the *SDT\_MODULE* model. | |
| **Reference** | | TS-0001 [1], clause 9.6.1.2.2.3, and TS-0023 [7], clauses 5.3, 5.4, 5.5, 6.2, 6.4 | |
| **Config Id** | | CFG03 | |
| **Parent Release** | | Release 4 | |
| **PICS Selection** | | PICS\_??? | |
| **Initial conditions** | **with {**  the IUT **being** registered **and**  the IUT **being** switched on **and**  the IUT **having** privileges to perform CREATE operation on resource  TARGET\_RESOURCE\_ADDRESS **and**  the IUT **having** created a resource at SDT\_DEVICE\_ADDRESS of type *SDT\_DEVICE*  **containing** child *SDT\_MODULE* resource at SDT\_MODULE\_RESOURCE\_ADDRESS  **}** | | |
| **Expected behaviour** | **Test events** | | **Direction** |
| **when {**  **}** | | NA |
| then {  the IUT sends a valid CREATE Request **containing**  To **set to** SDT\_MODULE \_RESOURCE\_ADDRESS and  Content **containing**  *ACTION\_NAME* resource as a specialization of  <flexContainer> **containing**  *CUSTOM\_ATTRIBUTES* attributes **and**  containerDefinitionattribute **set to**  "org.onem2m.*DOMAIN*.action.*ACTION\_NAME”* **and**  resourceName attribute **set to** *ACTION\_NAME*  **}** | | IUT 🡪 CSE |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **TP Id** | **DOMAIN** | **SDT\_DEVICE** | **CUSTOM\_ ATTRIBUTES (of action)** | **SDT\_MODULE**  **(parent resource)** | **ACTION\_NAME** |
| TP/oneM2M/AE/SDT/CRE/006\_STPR | Common | device3DPrinter | none | 3Dprinter | start3Dprint |
| TP/oneM2M/AE/ SDT /CRE/006\_SPPR | Common | device3DPrinter | none | 3Dprinter | stop3Dprint |
| TP/oneM2M/AE/ SDT /CRE/006\_UPV | Common | deviceAudioReceiver,  device3DDisplay,  deviceSetTopBox,  deviceTelevision,  deviceHandheldPTTTerminal,  deviceTrainborneTerminal,  deviceCardRecharingMachine,  deviceSmartGate,  deviceSmartScreenDoor | none | audioVolume | upVolume |
| TP/oneM2M/AE/ SDT /CRE/006\_DWV | Common | deviceAudioReceiver,  device3DDisplay,  deviceSetTopBox,  deviceTelevision,  deviceHandheldPTTTerminal,  deviceTrainborneTerminal,  deviceCardRecharingMachine,  deviceSmartGate,  deviceSmartScreenDoor | none | audioVolume | downVolume |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | Common | device3DPrinter, deviceAudioReceiver,  deviceLight,  deviceMultiFunctionPrinter,  devicePrinter,  deviceScanner,  deviceSmartPlug,  deviceSwitch,  device3DDisplay,  device3DScanner,  subDeviceCuff,  subDevicePowerOutlet | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | City | deviceOutdoorLamp,  deviceSmartElectricMeter,  deviceSmartGasMeter,  deviceSmartWaterMeter | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | Health | deviceBloodPressureMonitor | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | Home | deviceAirConditioner,  deviceAirPurifier,  deviceClothesDryer,  deviceClothesWasher,  **deviceClothesWasherDryer,**  deviceCoffeeMachine,  **deviceCookerHood,**  deviceDehumidifier,  deviceDishWasher,  deviceFan,  deviceHomeCCTV,  deviceHumidifier,  deviceKettle,  deviceMicrogeneration,  deviceOven,  deviceRefrigerator,  deviceRiceCooker,  deviceRobotCleaner,  deviceSetTopBox,  deviceSteamCloset,  deviceStorageBattery,  deviceTelevision,  deviceWaterHeater,  deviceBottleWarmer,  deviceGarbageDisposal,  deviceWaterPurifier | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | Vehicular | deviceElectricVehicleCharger | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_TBS | Railway | deviceHandheldPTTTerminal,  deviceCardRecharingMachine,  deviceSmartGate,  deviceSmartScreenDoor | none | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_DNV | Common | subDevicePowerOutlet | none | numberValue | decrementNumberValue |
| TP/oneM2M/AE/ SDT /CRE/006\_INV | Common | subDevicePowerOutlet | none | numberValue | incrementNumberValue |
| TP/oneM2M/AE/ SDT /CRE/006\_RNV | Common | subDevicePowerOutlet | none | numberValue | resetNumberValue |
| TP/oneM2M/AE/ SDT /CRE/006\_OOL | Common | deviceDoor,  waterValve | none | openLevel | open |
| TP/oneM2M/AE/ SDT /CRE/006\_OOL | Home | deviceWindowShade | none | openLevel | open |
| TP/oneM2M/AE/ SDT /CRE/006\_COL | Common | deviceDoor,  waterValve | none | openLevel | close |
| TP/oneM2M/AE/ SDT /CRE/006\_COL | Home | deviceWindowShade | none | openLevel | close |
| TP/oneM2M/AE/ SDT /CRE/006\_CPC | Railway | deviceHandheldPTTTerminal,  deviceTrainborneTerminal | none | phoneCall | call |
| TP/oneM2M/AE/ SDT /CRE/006\_APC | Railway | deviceHandheldPTTTerminal,  deviceTrainborneTerminal | none | phoneCall | answer |
| TP/oneM2M/AE/ SDT /CRE/006\_HPC | Railway | deviceHandheldPTTTerminal,  deviceTrainborneTerminal | none | phoneCall | hangup |
| TP/oneM2M/AE/ SDT /CRE/006\_NTPC | Common | deviceCamera | none | playerControl | nextTrack |
| TP/oneM2M/AE/ SDT /CRE/006\_NTPC | Home | deviceHomeCCTV,  deviceTelevision | none | playerControl | nextTrack |
| TP/oneM2M/AE/ SDT /CRE/006\_PTPC | Common | deviceCamera | none | playerControl | previousTrack |
| TP/oneM2M/AE/ SDT /CRE/006\_PTPC | Home | deviceHomeCCTV,  deviceTelevision | none | playerControl | previousTrack |
| TP/oneM2M/AE/ SDT /CRE/006\_MSS | Common | deviceGenericSensor | none | smokeSensor | mute |
| TP/oneM2M/AE/ SDT /CRE/006\_MSS | Home | deviceHomeCCTV | none | smokeSensor | mute |
| TP/oneM2M/AE/ SDT /CRE/006\_UCTC | Home | deviceSetTopBox,  deviceTelevision | none | televisionChannel | upChannel |
| TP/oneM2M/AE/ SDT /CRE/006\_DCTC | Home | deviceSetTopBox  deviceTelevision | none | televisionChannel | downChannel |
| TP/oneM2M/AE/ SDT /CRE/006\_RTM | Common | deviceServiceButton | none | textMessage | resetTextMessage |
| TP/oneM2M/AE/ SDT /CRE/006\_ACT | Common | deviceLight,  deviceThermostat | none | timer | activateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_ACT | City | deviceOutdoorLamp | none | timer | activateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_ACT | Home | deviceAirConditioner,  deviceAirPurifier,  deviceClothesWasher,  **deviceClothesWasherDryer,**  deviceDehumidifier,  deviceOven,  deviceRiceCooker,  deviceRobotCleaner,  deviceWindowShade,  deviceWaterPurifier | none | timer | activateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_DCT | Common | deviceLight,  deviceThermostat | none | timer | deactivateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_DCT | City | deviceOutdoorLamp | none | timer | deactivateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_DCT | Home | deviceAirConditioner,  deviceAirPurifier,  deviceClothesWasher,  **deviceClothesWasherDryer,**  deviceDehumidifier,  deviceOven,  deviceRiceCooker,  deviceRobotCleaner,  deviceWindowShade,  deviceWaterPurifier | none | timer | deactivateClockTimer |
| TP/oneM2M/AE/ SDT /CRE/006\_RRG | City | deviceWeatherStation | none | rainGauge | reset |
| TP/oneM2M/AE/ SDT /CRE/006\_RDMA | management | flexNode | rebootType | dmAgent | reboot |
| TP/oneM2M/AE/ SDT /CRE/006\_DPDMA | management | flexNode | resut, name, version, url | dmAgent | deployPackage |
| TP/oneM2M/AE/ SDT /CRE/006\_RDMIO | management | flexNode | resut, address | dmDataModelIO | readIO |
| TP/oneM2M/AE/ SDT /CRE/006\_WDMIO | management | flexNode | resut, address, payload | dmDataModelIO | writeIO |
| TP/oneM2M/AE/ SDT /CRE/006\_UDMF | management | flexNode | Result, url, version | dmFirmware | updateFirmware |
| TP/oneM2M/AE/ SDT /CRE/006\_TDMF | management | flexNode | resut | dmFirmware | toggle |
| TP/oneM2M/AE/ SDT /CRE/006\_ADMS | management | flexNode | none | dmSoftware | activate |
| TP/oneM2M/AE/ SDT /CRE/006\_DDMS | management | flexNode | none | dmSoftware | deactivate |
| TP/oneM2M/AE/ SDT /CRE/006\_RDMEL | management | flexNode | Start, end | dmEventLog | retrieveLog |
| TP/oneM2M/AE/ SDT /CRE/006\_IDMP | management | flexNode | none | dmPackage | install |
| TP/oneM2M/AE/ SDT /CRE/006\_UDMP | management | flexNode | none | dmPackage | uninstall |
| TP/oneM2M/AE/ SDT /CRE/006\_UPDMP | management | flexNode | Version, url | dmPackage | update |
| TP/oneM2M/AE/ SDT /CRE/006\_EDMC | management | flexNode | resut | dmCapability | enable |
| TP/oneM2M/AE/ SDT /CRE/006\_DDMC | management | flexNode | resut | dmCapability | disable |
| TP/oneM2M/AE/ SDT /CRE/006\_FDMS | management | flexNode | none | dmStorage | format |
| TP/oneM2M/AE/ SDT /CRE/006\_UDMS | management | flexNode | none | dmStorage | unmount |

TP/oneM2M/AE/HAIM/CRE/007

|  |  |  |  |
| --- | --- | --- | --- |
| **TP Id** | | TP/oneM2M/AE/HAIM/CRE/007 | |
| **Test objective** | | Check that the IUT responds correctly when its ACTION\_NAME resource is triggered. | |
| **Reference** | | TS-0001 [1], clause 9.6.1.2.2.3, and TS-0023 [7], clauses 5.3, 5.8 and 6.2.6 | |
| **Config Id** | | CF03 | |
| **Parent Release** | | Release 4 | |
| **PICS Selection** | | PICS\_AE | |
| **Initial conditions** | **with {**  the IUT **being** registeredto CSE **and**  the IUT **exposing** a controlling interface for an *ACTION\_NAME* **and**  the IUT **having created on** the CSE **a** SDT\_MODULE at SDT\_MODULE\_ADDRESS  SDT\_MODULE **containing** DATA\_POINT set to a valid value **and**  the IUT **having created on** the CSE **an** ACTION\_NAME at ACTION\_NAME\_ADDRESS  the IUT **having created on**  the CSE a <subscription> at ACTION\_NAME\_ADDRESS  **}** | | |
| **Expected behaviour** | **Test events** | | **Direction** |
| **when {**  The IUT receives a valid NOTIFY Request **containing**  *operation* **set to** UPDATE  *subscriptionReference* ***set to*** resource identifier of ACTION\_NAME  **containing** valid ACTION\_NAME representation **containing**  CUSTOM\_ATTRIBUTE set to valid value  **}** | | CSE |
| **then** {  the IUT sends a valid UPDATE Request **containing**  To **set to** SDT\_MODULE\_ADDRESS and  Content **containing** *SDT\_MODULE* resource **containing**  a valid *DATA\_POINT* attribute  the IUT sends a valid NOTIFY Response **containing**  response status code 2000  **}** | | IUT 🡪 CSE |

|  |  |  |  |
| --- | --- | --- | --- |
| **TP Id** | **CUSTOM\_ ATTRIBUTES (of SDT module or ACTION module)** | **SDT\_MODULE**  **(parent resource)** | **ACTION\_NAME** |
| TP/oneM2M/AE/SDT/UPD/007\_STPR | none | 3Dprinter | start3Dprint |
| TP/oneM2M/AE/ SDT /UPD/007\_SPPR | none | 3Dprinter | stop3Dprint |
| TP/oneM2M/AE/ SDT /UPD/006\_UPV | volumePercentage | audioVolume | upVolume |
| TP/oneM2M/AE/ SDT /UPD/006\_DWV | volumePercentage | audioVolume | downVolume |
| TP/oneM2M/AE/ SDT /UPD/006\_TBS | state | binarySwitch | toggle |
| TP/oneM2M/AE/ SDT /UPD/006\_DNV | numberValue | numberValue | decrementNumberValue |
| TP/oneM2M/AE/ SDT /UPD/006\_INV | numberValue | numberValue | incrementNumberValue |
| TP/oneM2M/AE/ SDT /UPD/006\_RNV | numberValue | numberValue | resetNumberValue |
| TP/oneM2M/AE/ SDT /UPD/006\_OOL | openLevel | openLevel | open |
| TP/oneM2M/AE/ SDT /UPD/006\_COL | openLevel | openLevel | close |
| TP/oneM2M/AE/ SDT /UPD/006\_CPC | callState | phoneCall | call |
| TP/oneM2M/AE/ SDT /UPD/006\_APC | callState | phoneCall | answer |
| TP/oneM2M/AE/ SDT /UPD/006\_HPC | callState | phoneCall | hangup |
| TP/oneM2M/AE/ SDT /UPD/006\_NTPC | none | playerControl | nextTrack |
| TP/oneM2M/AE/ SDT /UPD/006\_PTPC | none | playerControl | previousTrack |
| TP/oneM2M/AE/ SDT /UPD/006\_MSS | dismantled | smokeSensor | mute |
| TP/oneM2M/AE/ SDT /UPD/006\_UCTC | channelNumber | televisionChannel | upChannel |
| TP/oneM2M/AE/ SDT /UPD/006\_DCTC | channelNumber | televisionChannel | downChannel |
| TP/oneM2M/AE/ SDT /UPD/006\_RTM | textMessage | textMessage | resetTextMessage |
| TP/oneM2M/AE/ SDT /UPD/006\_ACT | none | timer | activateClockTimer |
| TP/oneM2M/AE/ SDT /UPD/006\_DCT | none | timer | deactivateClockTimer |
| TP/oneM2M/AE/ SDT /UPD/006\_RRG | height | rainGauge | reset |
| TP/oneM2M/AE/ SDT /UPD/006\_RDMA | state | dmAgent | reboot |
| TP/oneM2M/AE/ SDT /UPD/006\_DPDMA | state | dmAgent | deployPackage |
| TP/oneM2M/AE/ SDT /UPD/006\_RDMIO | resut | dmDataModelIO | readIO |
| TP/oneM2M/AE/ SDT /UPD/006\_WDMIO | resut | dmDataModelIO | writeIO |
| TP/oneM2M/AE/ SDT /UPD/006\_UDMF | resut | dmFirmware | updateFirmware |
| TP/oneM2M/AE/ SDT /UPD/006\_TDMF | resut, primaryState, secondaryState | dmFirmware | toggle |
| TP/oneM2M/AE/ SDT /UPD/006\_ADMS | state | dmSoftware | activate |
| TP/oneM2M/AE/ SDT /UPD/006\_DDMS | state | dmSoftware | deactivate |
| TP/oneM2M/AE/ SDT /UPD/006\_RDMEL | data | dmEventLog | retrieveLog |
| TP/oneM2M/AE/ SDT /UPD/006\_IDMP | state | dmPackage | install |
| TP/oneM2M/AE/ SDT /UPD/006\_UDMP | state | dmPackage | uninstall |
| TP/oneM2M/AE/ SDT /UPD/006\_UPDMP | state | dmPackage | update |
| TP/oneM2M/AE/ SDT /UPD/006\_EDMC | resut, currentState | dmCapability | enable |
| TP/oneM2M/AE/ SDT /UPD/006\_DDMC | resut, currentState | dmCapability | disable |
| TP/oneM2M/AE/ SDT /UPD/006\_FDMS | status | dmStorage | format |
| TP/oneM2M/AE/ SDT /UPD/006\_UDMS | mounts | dmStorage | unmount |

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