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oneM2M; Test Suite Structure and Test Purposes; (oneM2M TS-0018 version 2.13.1 Release 2)



Reference

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Foreword

This Technical Specification (TS) has been produced by ETSI Partnership Project oneM2M (oneM2M).

1 Scope

The present document specifies oneM2M test suite structure and test purposes that are designed to evaluate the conformity of oneM2M implementations to the oneM2M specifications. It also specifies:

- guidelines for description of test behaviours and definition of test purpose structure;
- notations to define a test purpose for conformance testing; and
- test configurations for conformance testing.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

The following referenced documents are necessary for the application of the present document.

- [1] ETSI TS 118 101: "oneM2M Functional Architecture" (oneM2M TS-0001).
- [2] ETSI TS 118 104: "oneM2M Service Layer Core Protocol Specification" (oneM2M TS-0004).
- [3] ETSI TS 118 115: "oneM2M Testing Framework" (oneM2M TS-0015).
- [4] oneM2M TS-0017: "Implementation Conformance Statements".
- [5] ETSI TS 118 110: "oneM2M MQTT-protocol-binding" (oneM2M TS-0010).

2.2 Informative references

The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] oneM2M Drafting Rules.

NOTE: Available at http://www.onem2m.org/images/files/oneM2M-Drafting-Rules.pdf.

3 Definition of terms, symbols and abbreviations

3.1 Terms

For the purposes of the present document, the terms given in ETSI TS 118 115 [3] Testing Framework and the following apply:

valid <OPERATION> Request: oneM2M Request primitive that only contains all mandatory primitive parameters with correct values which are not required to be explicitly specified in the test purpose

NOTE: If specific values need to be specified, parameters need to be explicitly indicated in the test purpose. Operation parameter is set to <OPERATION>.

valid Response: oneM2M Response primitive that only contains all mandatory primitive parameters with correct values which are not required to be explicitly specified in the test purpose

NOTE: If specific values need to be specified, parameters need to be explicitly indicated in the test purpose. Request Identifier parameter contains the Request Identifier value of the corresponding Request.

valid <ATTRIBUTE_NAME>: correct value for the <ATTRIBUTE_NAME> attribute which is not required to be
explicitly specified in the test purpose

3.2 Symbols

Void.

3.3 Abbreviations

For the purposes of the present document, the abbreviations given in ETSI TS 118 101 [1] and the following apply:

ADN Application Dedicated Node

ADN-AE AE which resides in the Application Dedicated Node

AE Application Entity

AE-ID Application Entity-IDentifier APP-ID APPlication IDentifier ASN Application Service Node

BR BlockingRequest

CMDH Communication Management and Delivery Handling

CSE Common Service Entity

CSE-ID Common Service Entity Identifier
CSF Common Service Function

DIS DIScovery

DMR Data Management and Repository

DUT Device Under Test FLXC FLeXContainer

FQDN Fully Qualified Domain Name

GEN GENeral capability
GMG Group ManaGement

ICS Implementation Conformance Statements

IN Infrastructure Node

IN-CSE CSE which resides in the Infrastructure Node

IP Internet Protocol

IUT Implementation Under Test

MA MAndatory MN Middle Node

MN-CSE CSE which resides in the Middle Node

NA Not Applicable

NBA NonBlockingrequestAsynch
NBR NonBlockingRequest
NBS NonBlockingrequestSynch
PCH Request Message Polling

PICS Protocol Implementation Conformance Statements

PX_POA Protocol implementation eXtra information for testing_ PointOfAccess

PX_SRT Protocol implementation eXtra information for testing_ SupportedResourceType

REG REGistration
REQ REQuest
RT Response Type
RW Read Write

SCEF Service Capability Exposure Function

SEC SECurity

SUB SUBscription and Notification

SUT System Under Test TP Test Purposes

TS	Technical Specification
TSS	Test Suite Structure

TTCN Testing and Test Control Notation
URI Uniform Resource Identifier
URL Uniform Resource Locator

4 Conventions

The key words "Shall", "Shall not", "May", "Need not", "Should", "Should not" in the present document are to be interpreted as described in the oneM2M Drafting Rules [i.1].

5 Prerequisites and Test Configurations

5.1 Test Configurations

Test configurations are defined to test different entities such as CSE and AE etc.

Figure 5.1-1 and Figure 5.1-2 show CSE test configurations where CSE as a IUT can be tested against TTCN-3 Test System, which is acting as AE or AE and CSE respectively. Test system may include as well other entities which are necessary for each configuration, i.e. a second AE (AE2) for receiving notifications These entities are represented with dashed rectangles.

Figure 5.1-3 shows AE test configuration (CF03) for ADN-AE testing scenario where ADN-AE is IUT and TTCN-3 Test System is acting as a CSE.

Figure 5.1-4 depicts test configurations between two CSEs, where one CSE is acting as a Test System, the other is SUT.

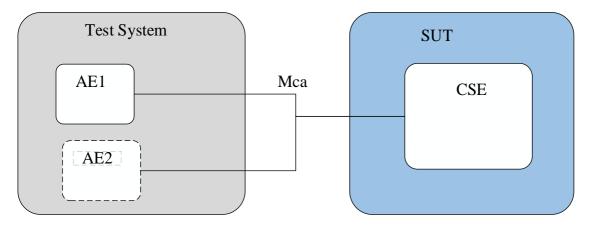


Figure 5.1-1: Test configuration 1 (CF01)

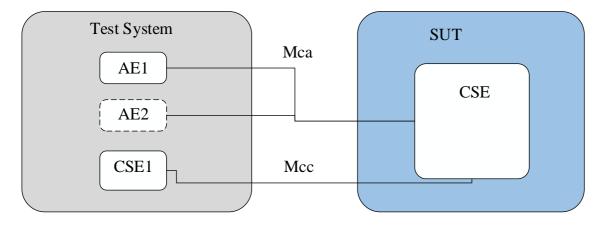


Figure 5.1-2: Test configuration 2 (CF02)

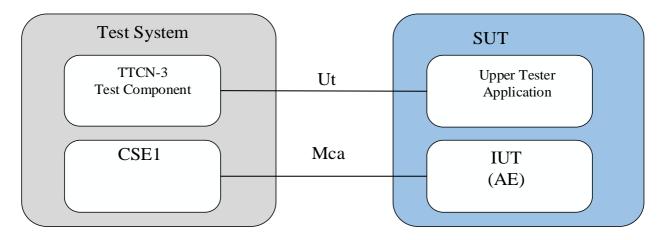


Figure 5.1-3: Test configuration 3 (CF03)

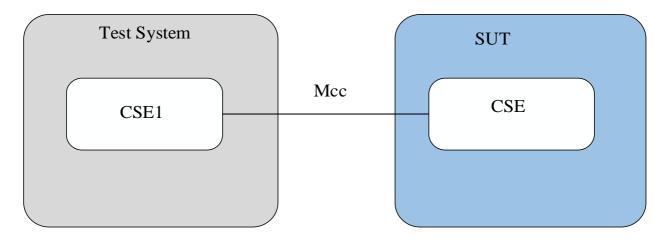


Figure 5.1-4: Test configuration 4 (CF04)

6 Test Suite Structure (TSS)

6.1 Test groups

6.1.0 Overview

The test groups are organized in 2 levels. The first level defines the functional entity of oneM2M. The second level defines the common services functions which are represented in oneM2M functional architecture.

6.1.1 Functional Entity Groups

The functional entity groups identify the types of entity which are specified in oneM2M functional architecture (ETSI TS 118 101 [1]):

- AE
- CSE

6.1.2 Common Services Functions Subgroups

The common services functions subgroups identify the general procedures in each common services functions specified in oneM2M functional architecture (ETSI TS 118 101 [1]):

- Registration
- Data Management and Repository
- Subscription and Notification
- Group Management
- Discovery
- Location
- Device Management
- Communication Management and Delivery Handling
- Security

6.1.3 oneM2M Resource Primitives specific Operations

A group of resource type specific procedures are defined in oneM2M functional architecture (ETSI TS 118 101 [1]) and service layer core protocol (ETSI TS 118 104 [2]). Those procedures can be potentially abstracted with requirements for generating test purposes for conformance testing purpose. Those resource type specific procedures are the complementary procedures to the general procedures defined in oneM2M Common Service Functions (CSF) and will use for subgroups of structures for oneM2M tests. A list of those procedures are including:

- pollingChannel
- non-blocking communication
- retargeting
- FlexContainer

6.2 Test Suite Structure (TSS) for oneM2M

The Test Suite Structure (TSS) for oneM2M will be present as below:

- Group 1: General Capability (GEN):
 - Subgroup 1.1: Protocol Bindings
 - Subgroup 1.2: Serializations
- Group 2: *AE*(*AE*):
 - Subgroup 2.1: General Capability (GEN)
 - Subgroup 2.2: Registration(REG)
 - Subgroup 2.3: Data Management and Repository(DMR)
 - Subgroup 2.4: Subscription and Notification(SUB)
 - Subgroup 2.5: Communication Management and Delivery Handling(CMDH)
 - Subgroup 2.5.1: Request Message Polling(PCH)
- Group 3: CSE(*CE*):
 - Subgroup 3.1: General Capability (GEN)
 - Subgroup 3.2: Registration(REG)
 - Subgroup 3.3: Data Management and Repository(DMR)
 - Subgroup 3.4: Subscription and Notification(SUB)
 - Subgroup 3.5: Group Management(GMG)
 - Subgroup 3.6: Discovery(DIS)
 - Subgroup 3.7: Communication Management and Delivery Handling(CMDH)
 - Subgroup 3.7.1: Request Message Polling(PCH)
 - Subgroup 3.7.2: Response Type(RT)
 - Subgroup 3.8: Security(SEC)
 - Subgroup 3.9: FlexContainer (FLXC)

7 Test Purposes (TP)

7.1 Introduction

7.1.1 TP definition conventions

The TP definition is constructed according to Test Suite Structure & Test Purposes(TSS&TP) in Testing Framework (ETSI TS 118 115 [3]).

7.1.2 TP Identifier naming conventions

The identifier of the TP is constructed according to table 7.1.2-1.

Table 7.1.2-1: TP naming convention for oneM2M

Name	Option	Interpretation		
TP/ <root>/<ent>/<gr>[/<sgr>][/<opr>]/<nnn>_<pmu></pmu></nnn></opr></sgr></gr></ent></root>				
<root> = root</root>	oneM2M	oneM2M		
<ent> = entity</ent>	AE	Application Entity		
	CSE	Common Services Entity		
<gr> = group</gr>	GEN	Common Service Function		
	REG			
	DMR			
	SUB			
	GMG			
	DIS			
	SEC			
	FLXC			
<sgr> = sub-group</sgr>	ACP	AccessControlPolicy		
<pre><opr> = operation</opr></pre>	CRE	Create		
	UPD	Update		
	RET	Retrieve		
	DEL	Delete		
	NTF	Notify		
<nnn> = sequential number</nnn>	001 to 999	023		
<pmu> = permutation part</pmu>	May be number, short name of attribute or resource type depend on the permutated part in the TP. If there are more than one permutated variables, they should be separated by slash '/'.	When resourceType attribute is involved in a TP Id, the resourceType shall be put in first order followed by any		

7.1.3 Rules for the behaviour description

The description of the TP is built according to ETSI TS 118 115 [3] Testing Framework.

In addition, the following rules apply:

- 1) Primitive parameters shall use their *Parameter name* as indicated in ETSI TS 118 104 [2] table 8.2.2-1.
- 2) Resource attributes shall use their *Attribute name* as indicated in ETSI TS 118 104 [2] table 8.2.3 followed by "attribute".
- When *Content* request parameter contains a resource representation, such representation shall contain all mandatory attributes and could contain some optional attributes. Only those attributes and/or child resources required by the test purpose will be explicitly indicated.
- 4) When *Content* response parameter contains a resource representation, such representation shall contain attributes and/or child resources according to the Result Content parameter of the corresponding request. Only those attributes and/or child resources required by the test purpose will be explicitly indicated.

7.1.4 ICS reference

Table 7.1.4-1: Node

Item	Name of field	Reference	Status	Support
1	ASN (Application Service Node)	5.1.2	o.1	
2	ADN (Application Dedicated Node)	5.1.2	0.1	
3	IN (Infrastructure Node)	5.1.2	o.1	
4	MN (Middle Node)	5.1.2	o.1	
o.1: Exactly one item shall be supported				

Table 7.1.4-2: Functional entity type

Prerequisite: A.1				
Item	Name of field	Reference	Status	Support
1	AE	5.1.1	c.1	
2	CSE	5.1.1	c.2	
c.1: If A.1-1 or A.1-2 then m else o				
c.2: If A.1-2 x else m				

Table 7.1.4-3: Mnemonics for PICS reference

Mnemonic	PICS item
PICS_AE	oneM2M TS-0017 [4], table A.5.1-1
PICS_CSE	oneM2M TS-0017 [4], table A.5.1-1
PICS_ASN_CSE	oneM2M TS-0017 [4], table A.5.1-2
PICS_ADN	oneM2M TS-0017 [4], table A.5.1-2
PICS_IN_CSE	oneM2M TS-0017 [4], table A.5.1-2
PICS_MN_CSE	oneM2M TS-0017 [4], table A.5.1-2
PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	oneM2M TS-0017 [4], table A.5.2-1
PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	oneM2M TS-0017 [4], table A.5.2-1
PICS_SP_RELATIVE_RESOURCE_ID	oneM2M TS-0017 [4], table A.5.2-1
PICS_ABSOLUTE_RESOURCE_ID	oneM2M TS-0017 [4], table A.5.2-1
PICS_ACP_SUPPORT	oneM2M TS-0017 [4], table A.5.6-1
PICS_CB_CST	oneM2M TS-0017 [4], table A.5.7-1
PICS_CB_NL	oneM2M TS-0017 [4], table A.5.7-1
PICS_CSR_RN	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_ET	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_LBL	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_POA	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_NL	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_CST	oneM2M TS-0017 [4], table A.5.7-2
PICS_CSR_RR	oneM2M TS-0017 [4], table A.5.7-2
PICS_AE_LBL	oneM2M TS-0017 [4], table A.5.7-3
PICS_AE_APN	oneM2M TS-0017 [4], table A.5.7-3
PICS_AE_POA	oneM2M TS-0017 [4], table A.5.7-3
PICS_AE_NL	oneM2M TS-0017 [4], table A.5.7-3
PICS_AE_CSZ	oneM2M TS-0017 [4], table A.5.7-3
PICS_CNT_ACPI	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_MNI	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_MBS	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_MIA	oneM2M TS-0017 [4], table A.5.7-5
Mnemonic	PICS item
PICS_CNT_OR	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_LI	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_RN	oneM2M TS-0017 [4], table A.5.7-5

PICS_CNT_ET	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_LBL	oneM2M TS-0017 [4], table A.5.7-5
PICS_CNT_CR	oneM2M TS-0017 [4], table A.5.7-5
PICS_CIN_CNF	oneM2M TS-0017 [4], table A.5.7-6
PICS_CIN_RN	oneM2M TS-0017 [4], table A.5.7-6
PICS_CIN_ET	oneM2M TS-0017 [4], table A.5.7-6
PICS_CIN_LBL	oneM2M TS-0017 [4], table A.5.7-6
PICS_CIN_CR	oneM2M TS-0017 [4], table A.5.7-6
PICS_ACP_LBL	oneM2M TS-0017 [4], table A.5.7-4
PICS_SUB_ACPI	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_LBL	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_ENC	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_EXC	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_GPI	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_NFU	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_BN	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_RL	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_PN	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_NSP	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_LN	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_NCT	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_NEC	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_CR	oneM2M TS-0017 [4], table A.5.7-7
PICS_SUB_SU	oneM2M TS-0017 [4], table A.5.7-7
PICS_GRP_LBL	oneM2M TS-0017 [4], table A.5.7-8
PICS_GRP_ACPI	oneM2M TS-0017 [4], table A.5.7-8
PICS_GRP_MACP	oneM2M TS-0017 [4], table A.5.7-8
PICS_GRP_GN	oneM2M TS-0017 [4], table A.5.7-8

7.2 Test Purposes for oneM2M Service Primitives

7.2.1 Group AE (AE)

7.2.1.1 General Capability (GEN)

7.2.1.1.1 CREATE Operation

TP/oneM2M/AE/GEN/CRE/001

-		
TP/oneM2M/AE/GEN/CRE/001		
Check that the IUT sends the creation of a <i><container></container></i> resource using unstructured resource		
identifier		
ETSI TS 118 101 [1], table 9.3.1-1		
CF03		
Release 1		
PICS_AE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORM	IAT	
with {		
the IUT being registered and		
the IUT being switched on and		
TARGET_RESOURCE_ADDRESS		
}		
Test events	Direction	
when {		
the IUT is triggered to send a valid CREATE Request containing	NIA	
To set to NON HIERARCHICAL RESOURCE ADDRESS	NA	
}		
then {		
the IUT sends a valid Container CREATE Request to CSE containing		
	CSE ← IUT	
From set to AE ID		
FIGHT SELLO AL ID		
	Check that the IUT sends the creation of a <container> resource using unstruct identifier ETSI TS 118 101 [1], table 9.3.1-1 CF03 Release 1 PICS_AE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORM with { the IUT being registered and the IUT being switched on and the IUT being switched on and the IUT being configured to use NON_HIERARCHICAL_RESOURCE_ADD the IUT having privileges to perform CREATE operation on resource TARGET_RESOURCE_ADDRESS } Test events when { the IUT is triggered to send a valid CREATE Request containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS } then { the IUT sends a valid Container CREATE Request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and</container>	

TP ld	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/CRE/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/CRE/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/CRE/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP/oneM2M/AE/GEN/CRE/002

TP ld	TP/oneM2M/AE/GEN/CRE/002		
Test objective	Check that the IUT sends the creation of a <i><container></container></i> resource using structured resource		
icai objective	identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF03		
Parent Release	Release 1		
PICS Selection	PICS_AE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT		
Initial conditions	with {		
	the IUT being registered and		
	the IUT being switched on and		
	the IUT being configured to use HIERARCHICAL_RESOURCE_ADDRESS	and	
	the IUT having privileges to perform CREATE operation on resource		
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT is triggered to send a valid CREATE Request containing To set to HIERARCHICAL_RESOURCE_ADDRESS and Resource Type set to 3 (container) and From set to AE_ID and Content containing container resource representation }	NA	
	then { the IUT sends a valid CREATE Request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and Resource Type set to 3 (container) and From set to AE_ID and Content containing container resource representation }	CSE ← IUT	

TP Id	HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/CRE/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/CRE/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/CRE/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Structured-CSE-Relative-Resource-ID.		

7.2.1.1.2 UPDATE Operation

TP/oneM2M/AE/GEN/UPD/001

TP Id	TP/oneM2M/AE/GEN/UPD/001		
	Check that the IUT sends the update of a <i><container></container></i> resource using unstructured resource		
-	identifier		
Reference E	ETSI TS 118 101 [1], table 9.3.1-1		
	CF03		
	Release 1		
PICS Selection P	PICS_AE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORM	IAT	
	vith {		
	the IUT being registered and		
	the IUT being switched on and		
	the IUT being configured to use NON_HIERARCHICAL_RESOURCE_ADD		
	the IUT having created a container resource CONTAINER_RESOURCE_AL	DDRESS and	
	the IUT having privileges to perform UPDATE operation on resource		
C	CONTAINER_RESOURCE_ADDRESS		
}		T	
Expected behaviour	Test events	Direction	
w	vhen {		
	the IUT is triggered to send a valid UPDATE Request containing		
	To set to CONTAINER_RESOURCE_ADDRESS and		
	To set to CONTAINER_RESOURCE_ADDRESS and Content containing	NA	
	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing	NA	
	To set to CONTAINER_RESOURCE_ADDRESS and Content containing	NA	
}	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute	NA	
<u>}</u>	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen {	NA	
<u>}</u>	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen { the IUT sends a valid UPDATE request to CSE containing	NA	
} tř	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen { the IUT sends a valid UPDATE request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and	NA	
} tř	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen { the IUT sends a valid UPDATE request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and	NA IUT → CSE	
<u>}</u>	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen { the IUT sends a valid UPDATE request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing		
<u>}</u>	To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute hen { the IUT sends a valid UPDATE request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and		

TP ld	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/UPD/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/UPD/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/UPD/001_ABS ABSOLUTE_RESOURCE_ID, (see note)		
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP/oneM2M/AE/GEN/UPD/002

TP Id	TP/oneM2M/AE/GEN/UPD/002	
Test objective	Check that the IUT sends the update of a <i><container></container></i> resource using structured resource	
lest objective	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection		
	PICS_AE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	
Initial conditions	with {	
	the IUT being registered and	
	the IUT being switched on and	
	the IUT being configured to use HIERARCHICAL_RESOURCE_ADDRESS	
	the IUT having created a container resource CONTAINER_RESOURCE_AI	DDRESS and
	the IUT having privileges to perform UPDATE operation on resource	
	CONTAINER_RESOURCE_ADDRESS	
	<u> </u>	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing	Direction
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing	Direction NA
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute }	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then {	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	NA
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing Container resource containing	NA
Expected behaviour	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid labels attribute } then { the IUT sends a valid UPDATE request to CSE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	NA

TP ld	HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/UPD/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/UPD/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/UPD/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Structured-CSE-Relative-Resource-ID.		

7.2.1.1.3 RETRIEVE Operation

TP/oneM2M/AE/GEN/RET/001

TDIJ	TD/MOM/AF/OFN/DET/OOA	
TP Id	TP/oneM2M/AE/GEN/RET/001	
Test objective	Check that the IUT sends the retrieval of a <i><container></container></i> resource using unstructured resource	
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORM	AT
Initial conditions	with {	
	the IUT being registered and	
	the IUT being switched on and	
	the IUT being configured to use NON_HIERARCHICAL_RESOURCE_ADD	ORESS and
	the IUT having created a container resource CONTAINER_RESOURCE_AL	
	the IUT having privileges to perform RETRIEVE operation on container resource	
	the 101 Having privileges to perform RETRIEVE operation on container resource	
Expected behaviour	Test events	Direction
Expected behaviour	Test events	Direction
	when {	
	the IUT is triggered to send a valid RETRIEVE Request containing	NA
	To set to CONTAINER_RESOURCE_ADDRESS	INA
]}	
	then {	
	the IUT sends a valid RETRIEVE request to CSE containing	
	To set to NON HIERARCHICAL RESOURCE ADDRESS and	IUT → CSE
	From set to AE ID	101 / 002
	I TOTAL TO ALLID	
	1	

TP Id	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/RET/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/RET/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/RET/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP/oneM2M/AE/GEN/RET/002

	TD/ MONAS (OFN/DET/OOS	
TP Id	TP/oneM2M/AE/GEN/RET/002	
Test objective	Check that the IUT sends the retrieval of a <i><container></container></i> resource using structured resource	
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	
Initial conditions	with {	
	the IUT being registered and	
	the IUT being switched on and	
	the IUT being configured to use HIERARCHICAL_RESOURCE_ADDRESS and	
	the IUT having created a container resource CONTAINER_RESOURCE_ADDRESS and	
	the IUT having privileges to perform RETRIEVE operation on container resource	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT is triggered to send a valid RETRIEVE Request containing	N.1.A
	To set to CONTAINER RESOURCE ADDRESS	NA
	then {	
	the IUT sends a valid RETRIEVE request to CSE containing	
	To set to HIERARCHICAL_RESOURCE_ADDRESS and	IUT → CSE
	From set to AE_ID	
	_	

TP Id	HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/AE/GEN/RET/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/AE/GEN/RET/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/AE/GEN/RET/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed wit	h the Structured-CSE-Relative-Resource-ID.

7.2.1.1.4 DELETE Operation

TP/oneM2M/AE/GEN/DEL/001

TP Id	TP/oneM2M/AE/GEN/DEL/001	
Test objective	Check that the IUT sends the deletion of a <container> resource using unstructured resource</container>	
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORM	IAT
Initial conditions	with {	
	the IUT being registered and	
	the IUT being switched on and	
	the IUT being configured to use NON_HIERARCHICAL_RESOURCE_ADDRESS and	
	the IUT having created a container resource CONTAINER_RESOURCE_ADDRESS and	
	the IUT having privileges to perform DELETE operation on container resource	
	the IUT having privileges to perform DELETE operation on container resour	ce
	the IUT having privileges to perform DELETE operation on container resour }	ce
Expected behaviour	the IUT having privileges to perform DELETE operation on container resour } Test events	Direction
Expected behaviour	}	
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing	Direction
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing	Direction
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS } then { the IUT sends a valid DELETE request to CSE containing	Direction
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS } then { the IUT sends a valid DELETE request to CSE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and	Direction
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS } then { the IUT sends a valid DELETE request to CSE containing	Direction NA

TP ld	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/DEL/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/DEL/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/DEL/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP/oneM2M/AE/GEN/DEL/002

TP ld	TP/oneM2M/AE/GEN/DEL/002	
Test objective	Check that the IUT sends the deletion of a <container> resource using structured resource</container>	
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	
Initial conditions	with {	
	the IUT being registered and	
	the IUT being switched on and	
	the IUT being configured to use HIERARCHICAL_RESOURCE_ADDRESS and	
	the IUT having created a container resource CONTAINER_RESOURCE_ADDRESS and	
	the IUT having privileges to perform DELETE operation on container resource	
	}	
Expected behaviour	Test events	Direction
-	when {	
	the IUT is triggered to send a valid DELETE Request containing	A.1.A
	To set to CONTAINER RESOURCE ADDRESS	NA
	}	
	then {	
	the IUT sends a valid DELETE request to CSE containing	
	To set to HIERARCHICAL RESOURCE ADDRESS and	IUT → CSE
	From set to AE ID	
	1	
	II.	

TP Id	HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/AE/GEN/DEL/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/AE/GEN/DEL/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/AE/GEN/DEL/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Structured-CSE-Relative-Resource-ID.		

7.2.1.2 Registration (REG)

7.2.1.2.1 CREATE Operation

TP/oneM2M/AE/REG/CRE/001

TP ld	TP/oneM2M/AE/REG/CRE/001	
Test objective	Check that the IUT sends an AE initial registration request with no AE-ID-STEM started	provided when it is
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 - case C, and clause 9.6.19	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT never being registered and the IUT being switched off and the IUT having got a valid APP-ID }	
Expected	Test events	Direction
behaviour	when { the IUT is triggered to send a valid CREATE Request containing To set to CSE_RESOURCE_ADDRESS and Resource Type set to 2 (AE) and Content containing AE resource representation }	NA
	then { the IUT sends a valid CREATE Request to CSE containing Resource Type set to 2 (AE) and To set to CSE_RESOURCE_ADDRESS and From set to empty and Content containing AE resource representation }	CSE ← IUT

TP/oneM2M/AE/REG/CRE/002

TP Id	TP/oneM2M/AE/REG/CRE/002		
Test objective	Check that the IUT sends a registration CREATE Request with the value of the attribute		
1001 010,001110	ATTRIBUTE NAME of the AE resource	attributo	
Reference	ETSI TS 118 104 [2], clause 7.4.5.1		
Config Id	CF03		
Parent Release	Release 1		
PICS Selection	PICS_AE		
Initial conditions	with {		
	the IUT never being registered and		
	the IUT being switched off and		
	the IUT having got a valid APP-ID		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT is triggered to send a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and Resource Type set to 2 (AE) and Content containing AE resource containing ATTRIBUTE_NAME attribute }	NA	



TP ld	Reference	ATTRIBUTE_NAME
TP/oneM2M/AE/REG/CRE/002_RN	L 3/	resourceName
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_ET		expirationTime
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_LBL	L 1/	labels
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_APN	ETSI TS 118 104 [2],	appName
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_API	ETSI TS 118 104 [2],	App-ID
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_POA	ETSI TS 118 104 [2],	pointOfAccess
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_OR	ETSI TS 118 104 [2],	ontologyRef
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_NL	ETSI TS 118 104 [2],	nodeLink
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_RR	ETSI TS 118 104 [2],	requestReachability
	clause 7.4.5.1	
TP/oneM2M/AE/REG/CRE/002_CSZ	ETSI TS 118 104 [2],	contentSerialization
	clause 7.4.5.1	

7.2.1.2.2 DELETE Operation

TP/oneM2M/AE/REG/DEL/001

TP ld	TP/oneM2M/AE/REG/DEL/001	
Test objective	Check that the IUT sends AE deregistration request to CSE	
Reference	ETSI TS 118 101 [1], clause 10.1.4.2.2	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being in the "initial state" the IUT having registered to CSE and the IUT having privileges to perform DELETE operation on the resource AE to 0	CSE
	}	
Expected	} Test events	Direction
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to AE_RESOURCE_ADDRESS }	Direction NA

7.2.1.3 Data Management and Repository (DMR)

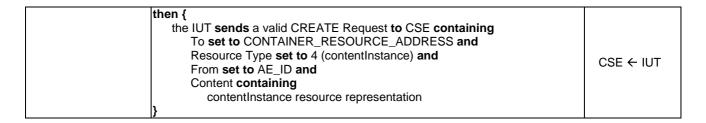
7.2.1.3.1 CREATE Operation

TP/oneM2M/AE/DMR/CRE/001

TP Id	TP/oneM2M/AE/DMR/CRE/001		
Test objective	Check that the IUT sends a Container creation request when it is triggered		
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.4.1, ETSI TS 118 104 [2], clauses 7.2.2.1 and		
Kelefelice	7.4.6.1	5 1.2.2.1 and	
Config Id	CF03		
Config Id Parent Release			
	Release 1		
PICS Selection	PICS_AE.		
Initial conditions	with {		
	the IUT being registered and		
	the IUT being switched on and		
	the IUT having privileges to perform CREATE operation on resource		
	AE_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT is triggered to send a valid CREATE Request containing		
	To set to AE_RESOURCE_ADDRESS and		
	Resource Type set to 3 (container) and		
	From set to AE_ID and		
	Content containing		
	container resource representation		
	}		
	then {		
	the IUT sends a valid CREATE Request to CSE containing		
	To set to AE RESOURCE ADDRESS and		
	Resource Type set to 3 (container) and		
	From set to AE_ID and CSE ← IUT		
	Content containing		
	container resource representation		

TP/oneM2M/AE/DMR/CRE/002

TP Id	TP/oneM2M/AE/DMR/CRE/002	
Test objective	Check that the IUT sends a ContentInstance creation request when it is triggered	
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.4.1, ETSI TS 118 104 [2], clause	s 7.2.2.1 and
	7.4.7.2.1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with {	
	the IUT being registered and	
	the IUT having created a container resource CONTAINER RESOURCE ADDRESS and	
	the IUT having created a container resource CONTAINER_RESOURCE_ADDITESS and the IUT having privileges to perform CREATE operation on resource	
	CONTAINER_RESOURCE_ADDRESS	
	<u> </u> }	
Expected behaviour	Test events	Direction
	when {	
	the IUT is triggered to send a valid CREATE Request containing	
	To set to CONTAINER RESOURCE ADDRESS and	
	Resource Type set to 4 (contentInstance) and	NA
	Content containing	
	contentInstance resource representation	
	I)	



TP/oneM2M/AE/DMR/CRE/003

TP Id	TP/oneM2M/AE/DMR/CRE/003		
Test objective	Check that the IUT sends a ContentInstance creation request with optional attribu	ite	
Reference	ATTRIBUTE_NAME	- 7 0 0 1 and	
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.4.1, ETSI TS 118 104 [2], clause	s 7.2.2.1 and	
Config Id	7.4.7.2.1 CF03		
Parent	Release 1		
Release	DIOC AE		
PICS	PICS_AE		
Selection Initial	luith f		
conditions	with {		
Conditions	the IUT being registered and the IUT having created a container resource CONTAINER_RESOURCE_ADI	DRESS through	
	preconfiguration request and	DIVEOU tillough	
	the IUT having privileges to perform CREATE operation on resource		
	CONTAINER RESOURCE ADDRESS		
	}		
Expected	Test events	Direction	
behaviour	when {		
	the IUT is triggered to send a valid CREATE Request containing		
	To set to CONTAINER_RESOURCE_ADDRESS and		
	Resource Type set to 4 (contentInstance) and	NA	
	Content containing	IVA	
	ContentInstance resource containing		
	valid ATTRIBUTE_NAME attribute		
	} ah.am.f		
	then { the IUT sends a valid CREATE Request containing		
	To set to CONTAINER_RESOURCE_ADDRESS and		
	Resource Type set to 4 (contentInstance) and		
	From set to AE_ID and	CSE ← IUT	
	Content containing	302 (101	
	ContentInstance resource containing		
	valid ATTRIBUTE_NAME attribute		
	}		

TP Id	PICS Selection	ATTRIBUTE_NAME
TP/oneM2M/AE/DMR/CRE/003_CNF	PICS_CIN_CNF	contentInfo
TP/oneM2M/AE/DMR/CRE/003_RN	PICS_CIN_RN	resourceName
TP/oneM2M/AE/DMR/CRE/003_ET	PICS_CIN_ET	expirationTime
TP/oneM2M/AE/DMR/CRE/003_LBL	PICS_CIN_LBL	labels
TP/oneM2M/AE/DMR/CRE/003 CR	PICS CIN CR	creator

TP/oneM2M/AE/DMR/CRE/004

TP Id	TP/oneM2M/AE/DMR/CRE/004		
Test objective	Check that the IUT sends a Container creation request with optional attribute ATTRIBUTE_NAME		
rest objective	when it is triggered		
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.4.1, ETSI TS 118 104 [2], clauses 7.2.2.1 and		
Kelefelice	7.4.6.1	5 <i>1</i> .2.2.1 and	
Config Id	CF03		
Parent Release	Release 1		
PICS Selection			
	PICS_AE.		
Initial conditions	with {		
	the IUT being registered and		
	the IUT having privileges to perform CREATE operation on resource AE_RESOURCE_ADDRESS		
	lae_resource_address		
Expected behaviour	Test events	Direction	
Expected beliaviour	100000000	Direction	
	when { the ULT is triggered to cond a velid CDEATE Degreest containing		
	the IUT is triggered to send a valid CREATE Request containing To set to AE_RESOURCE_ADDRESS and		
	Resource Type set to 3 (container) and		
	Content containing		
	containing containing		
	valid ATTRIBUTE NAME attribute		
	valid ATTAIDOTE_IVAIVIE attribute		
	then {		
	the IUT sends a valid CREATE Request containing		
	To set to AE_RESOURCE_ADDRESS and		
	Resource Type set to 3 (container) and		
	From set to AE ID and	CSE ← IUT	
	Content containing		
	container resource containing		
	valid ATTRIBUTE NAME attribute		
	}		

TP ld	PICS Selection	ATTRIBUTE_NAME
TP/oneM2M/AE/DMR/CRE/004_ACPI	PICS_CNT_ACPI	accessControlPolicyIDs
TP/oneM2M/AE/DMR/CRE/004_MNI	PICS_CNT_MNI	maxNrOfInstances
TP/oneM2M/AE/DMR/CRE/004_MBS	PICS_CNT_MBS	maxByteSize
TP/oneM2M/AE/DMR/CRE/004_MIA	PICS_CNT_MIA	maxInstanceAge
TP/oneM2M/AE/DMR/CRE/004_OR	PICS_CNT_OR	ontologyRef
TP/oneM2M/AE/DMR/CRE/004_LI	PICS_CNT_LI	locationID
TP/oneM2M/AE/DMR/CRE/004_RN	PICS_CNT_RN	resourceName
TP/oneM2M/AE/DMR/CRE/004_ET	PICS_CNT_ET	expirationTime
TP/oneM2M/AE/DMR/CRE/004_LBL	PICS_CNT_LBL	labels
TP/oneM2M/AE/DMR/CRE/004_CR	PICS CNT CR	creator

7.2.1.3.2 UPDATE Operation

TP/oneM2M/AE/DMR/UPD/001

TP Id	TP/oneM2M/AE/DMR/UPD/001	
Test objective	Check that the IUT sends an UPDATE Request with the value of the attribute	
	ATTRIBUTE_NAME of the AE resource	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with {	
	the IUT being registered containing	
	a RW attribute ATTRIBUTE_NAME	
	 }	
Expected behaviour	Test events	Direction
	when {	
	the IUT is triggered to send a valid UPDATE Request containing	
	To set to AE_RESOURCE_ADDRESS and	
	Content containing NA	
	AE resource containing	
	valid ATTRIBUTE_NAME attribute	
	then {	
	the IUT sends a valid UPDATE Request containing	
	To set to AE_RESOURCE_ADDRESS and	
	From set to AE_ID and	
	l =	IIIT > 00F
	Content containing	IUT → CSE
	AE resource containing	
	valid ATTRIBUTE_NAME attribute	
	1}	

TP ld	Reference	ATTRIBUTE_NAME
TP/oneM2M/AE/DMR/UPD/001_ET	ETSI TS 118 104 [2], clause 7.4.5.1	expirationTime
TP/oneM2M/AE/DMR/UPD/001_LBL	ETSI TS 118 104 [2], clause 7.4.5.1	labels
TP/oneM2M/AE/DMR/UPD/001_APN	ETSI TS 118 104 [2], clause 7.4.5.1	appName
TP/oneM2M/AE/DMR/UPD/001_POA	ETSI TS 118 104 [2], clause 7.4.5.1	pointOfAccess
TP/oneM2M/AE/DMR/UPD/001_OR	ETSI TS 118 104 [2], clause 7.4.5.1	ontologyRef
TP/oneM2M/AE/DMR/UPD/001_NL	ETSI TS 118 104 [2], clause 7.4.5.1	nodeLink
TP/oneM2M/AE/DMR/UPD/001_RR	ETSI TS 118 104 [2], clause 7.4.5.1	requestReachability
TP/oneM2M/AE/DMR/UPD/001_CSZ	ETSI TS 118 104 [2], clause 7.4.5.1	contentSerialization

TP/oneM2M/AE/DMR/UPD/002

TP Id	TP/oneM2M/AE/DMR/UPD/002	
Test objective	Check that the IUT sends an UPDATE Request with the value of the attribute	
1001 010,001.10	ATTRIBUTE_NAME of the <container> resource</container>	
Reference	ETSI TS 118 104 [2], clause 7.4.6.2.3	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS AE	
Initial conditions	with {	
mitial conditions	the IUT being registered containing	
	the IUT having created a container resource CONTAINER_RESOURCE_AL	DDRESS and
	the IUT having privileges to perform UPDATE operation on resource	2
	CONTAINER_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and Content containing container resource containing valid ATTRIBUTE_NAME attribute }	NA
	then { the IUT sends a valid UPDATE Request containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid ATTRIBUTE_NAME attribute }	IUT → CSE

TP Id	Reference	ATTRIBUTE_NAME
TP/oneM2M/AE/DMR/UPD/002_ET	ETSI TS 118 104 [2], clause 7.4.6.2.3	expirationTime
TP/oneM2M/AE/DMR/UPD/002_LBL	ETSI TS 118 104 [2], clause 7.4.6.2.3	labels
TP/oneM2M/AE/DMR/UPD/002_MNI	ETSI TS 118 104 [2], clause 7.4.6.2.3	maxNrOfInstances
TP/oneM2M/AE/DMR/UPD/002_MBS	ETSI TS 118 104 [2], clause 7.4.6.2.3	maxByteSize
TP/oneM2M/AE/DMR/UPD/002_MIA	ETSI TS 118 104 [2], clause 7.4.6.2.3	maxInstanceAge

7.2.1.3.3 RETRIEVE Operation

TP/oneM2M/AE/DMR/RET/001

TP Id	TP/oneM2M/AE/DMR/RET/001	
Test objective	Check that the IUT sends a RETRIEVE Request on the TARGET_RESOURCE_/CSE	ADDRESS to
Reference	ETSI TS 118 101 [1], clause 10.1.2, ETSI TS 118 104 [2], clause 7.2.2.1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a resource TARGET_RESOURCE_ADDRESS RESOURCE_TYPE and the IUT having privileges to perform RETRIEVE operation on resource TARGET_RESOURCE_ADDRESS }	of type
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid RETRIEVE Request containing	NA IUT → CSE
	From set to AE_ID }	

TP ld	Reference	RESOURCE_TYPE
TP/oneM2M/AE/DMR/RET/001_CB	ETSI TS 118 101 [1], clause 10.2.3.2	5 (CSEBase)
TP/oneM2M/AE/DMR/RET/001_AE	ETSI TS 118 101 [1], clause 10.2.1.2	2 (AE)
TP/oneM2M/AE/DMR/RET/001_CNT	ETSI TS 118 101 [1], clause 10.2.4.2	3 (Container)

TP/oneM2M/AE/DMR/RET/002

TP ld	TP/oneM2M/AE/DMR/RET/002	
Test objective	Check that the IUT sends a RETRIEVE Request of oldest virtual resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.23.1, ETSI TS 118 104 [2], clause 7.4.28.2.3	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a container resource and the CSE having created a contentInstance resource under container re and the IUT having privileges to perform RETRIEVE operation on contentIns }	
	Test events	Direction
Expected behaviour	<pre>when { the IUT is triggered to send a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS/oldest }</pre>	NA
Expected beliaviour	then { the IUT sends a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS/oldest and From set to AE_ID }	IUT → CSE

TP/oneM2M/AE/DMR/RET/003

TP Id	TP/oneM2M/AE/DMR/RET/003	
Test objective	Check that the IUT sends a RETRIEVE Request of latest virtual resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.22.1, ETSI TS 118 104 [2], clause 7.4.27.2.3	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a container resource and the CSE having created a contentInstance resource under container re and the IUT having privileges to perform RETRIEVE operation on contentIn: }	
	Test events	Direction
Expected behaviour	<pre>when { the IUT is triggered to send a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS/latest }</pre>	NA
Expected beliaviour	then { the IUT sends a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS/latest and From set to AE_ID }	IUT → CSE

TP/oneM2M/AE/DMR/RET/004

TP Id	TP/oneM2M/AE/DMR/RET/004	
Test objective	Check that the IUT sends a <container> resource RETRIEVE Request to CSE</container>	
Reference	ETSI TS 118 104 [2], clause 7.4.6.2.2	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with { the IUT being registered and the IUT being switched on and the IUT having created a container resource CONTAINER_RESOURCE and the IUT having privileges to perform RETRIEVE operation on container r }	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS }	NA
	then { the IUT sends a valid RETRIEVE Request containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID }	IUT → CSE

TP/oneM2M/AE/DMR/RET/005

TP Id	TP/oneM2M/AE/DMR/RET/005	
Test objective	Check that the IUT sends a <contentinstance> resource RETRIEVE Request to 0</contentinstance>	CSE
Reference	ETSI TS 118 104 [2], clause 7.4.7.2.2	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a container resource and the CSE having created a contentInstance resource under container res and the IUT having privileges to perform RETRIEVE operation on contentInst }	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid RETRIEVE Request containing To set to CONTENTINSTANCE_RESOURCE_ADDRESS }	NA
	then { the IUT sends a valid RETRIEVE Request containing To set to CONTENTINSTANCE_RESOURCE_ADDRESS and	IUT → CSE

7.2.1.3.4 DELETE Operation

TP/oneM2M/AE/DMR/DEL/001

TP Id	TP/oneM2M/AE/DMR/DEL/001	
Test objective	Check that the IUT sends a DELETE Request of oldest virtual resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.23.2, ETSI TS 118 104 [2], clause 7.4.28.2.5	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a container resource and the CSE having created a contentInstance resource under container resource and the IUT having privileges to perform DELETE operation on contentInstance r }	
Expected behaviour	Test events	Direction
	<pre>when { the IUT is triggered to send a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS/oldest }</pre>	NA
	<pre>then { the IUT sends a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS/oldest and From set to AE_ID }</pre>	IUT → CSE

TP/oneM2M/AE/DMR/DEL/002

TP ld	TP/oneM2M/AE/DMR/DEL/002	
Test objective	Check that the IUT sends a DELETE Request of latest virtual resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.22.2, ETSI TS 118 104 [2], clause 7.4.27.2.5	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
	the IUT being registered and the IUT being switched on and the CSE having created a container resource	
	and the CSE having created a contentine resource under container resource and the IUT having privileges to perform DELETE operation on contentine resource and the IUT having privileges to perform DELETE operation on contentine resource and the IUT having privileges to perform DELETE operation on contentine resource.	
Expected behaviour	and the CSE having created a contentInstance resource under container resource	
Expected behaviour	and the CSE having created a contentInstance resource under container resource and the IUT having privileges to perform DELETE operation on contentInstance resources.	esource

TP/oneM2M/AE/DMR/DEL/003

TP ld	TP/oneM2M/AE/DMR/DEL/003	
Test objective	Check that the IUT sends a <container> resource DELETE request to CSE</container>	
Reference	ETSI TS 118 104 [2], clause 7.4.6.2.4	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being registered and and the IUT being switched on and the IUT having created a container resource CONTAINER_RESOURCE_ADD and the IUT having privileges to perform DELETE operation on container resource }	
Expected	Test events	Direction
behaviour	when { the IUT is triggered to send a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS }	NA
	then { the IUT sends a valid DELETE Request containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID }	CSE ← IUT

TP/oneM2M/AE/DMR/DEL/004

TP ld	TP/oneM2M/AE/DMR/DEL/004	
Test objective	Check that the IUT sends a <contentinstance> resource DELETE request to CSE</contentinstance>	
Reference	ETSI TS 118 104 [2], clause 7.4.7.2.4	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with { the IUT being registered and the IUT being switched on and the CSE having created a container resource and the CSE having created a contentInstance resource under container resource and the IUT having privileges to perform DELETE operation on contentInstance if }	
Expected	Test events	Direction
behaviour	when { the IUT is triggered to send a valid DELETE Request containing To set to CONTENTINSTANCE_RESOURCE_ADDRESS }	NA
	then { the IUT sends a valid DELETE Request containing To set to CONTENTINSTANCE_RESOURCE_ADDRESS and From set to AE_ID }	CSE ← IUT

7.2.1.4 Subscription and Notification (SUB)

7.2.1.4.1 CREATE Operation

TP/oneM2M/AE/SUB/CRE/001

TP Id	TP/oneM2M/AE/SUB/CRE/001	
Test objective	Check that the IUT sends a subscription creation request	
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.4.1, ETSI TS 118 104 [2], clause 7.4.8.2.1	s 7.2.2.1 and
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with { the IUT being registered and the IUT being switched off and the IUT having privileges to perform CREATE operation on resource AE_RESOURCE_ADDRESS }	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid CREATE Request containing Resource Type set to 23 (subscription) and To set to AE_RESOURCE_ADDRESS and Content containing subscription resource representation }	NA
	then { the IUT sends a valid CREATE Request to CSE containing Resource Type set to 23 (subscription) and To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Content containing subscription resource representation }	CSE ← IUT

TP/oneM2M/AE/SUB/CRE/002

TP ld	TP/oneM2M/AF/SUB/CRF/002	
	,	
Test objective	Check that the IUT sends a subscription creation request with optional attribute ATTRIBUTE_NAME when it is triggered	
Reference	ETSI TS 118 101 [1], clauses 10.1.1.1 and 10.2.11.2, ETSI TS 118 104 [2], clause	ses 7.2.2.1 and
	7.4.8.2.1	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE.	
Initial conditions	with { the IUT being registered and the IUT having privileges to perform CREATE operation on resource AE_RESOURCE_ADDRESS }	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and Content containing subscription resource containing notificationURI attribute and valid ATTRIBUTE_NAME attribute }	NA
	then { the IUT sends a valid CREATE Request to CSE containing To set to TARGET_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE_ID and Content containing subscription resource containing notificationURI attribute and valid ATTRIBUTE_NAME attribute }	CSE ← IUT

TP ld	PICS Selection	Reference	ATTRIBUTE_NAME
TP/oneM2M/AE/SUB/CRE/002_ACPI	PICS_SUB_ACPI	ETSI TS 118 101 [1], clause 9.6.8,	accessControlPolicyIDs
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_ENC	PICS_SUB_ENC	ETSI TS 118 101 [1], clause 9.6.8,	eventNotificationCriteria
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_EXC	PICS_SUB_EXC		expirationCounter
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_NFU	PICS_SUB_NFU	ETSI TS 118 101 [1], clause 9.6.8,	notificationForwardingURI
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_NCT	PICS_SUB_NCT	ETSI TS 118 101 [1], clause 9.6.8,	notificationContentType
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_NEC	PICS_SUB_NEC	ETSI TS 118 101 [1], clause 9.6.8,	notificationEventCat
		ETSI TS 118 104 [2], clause 7.4.8.1	
TP/oneM2M/AE/SUB/CRE/002_SU	PICS_SUB_SU	ETSI TS 118 101 [1], clause 9.6.8,	subscriberURI
		ETSI TS 118 104 [2], clause 7.4.8.1	

7.2.1.4.2 NOTIFY Operation

TP/oneM2M/AE/SUB/NTF/001

TP Id	TP/oneM2M/AE/SUB/NTF/001	
Test objective	Check that the IUT sends a Notify Response to the hosting CSE when receiving	a Notify
	request containing a single notification	
Reference	ETSI TS 118 101 [1], clause 6.1.12, ETSI TS 118 104 [2], clause 7.5.1.2	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with {	
	the IUT having been registered and	
	the IUT having created subscription resource under the CSE and	
	the IUT being reachable through a URL ACCESSIBLE_URL	
	}	
Expected behaviour	Test events	Direction
	when {	IUT ← CSE
	then { the IUT sends a valid NOTIFY Response to the hosting CSE containing Response Status Code set to RESPONSE_STATUS_CODE	CSE ← IUT

TP/oneM2M/AE/SUB/NTF/002

TP Id	TP/oneM2M/AE/SUB/NTF/002	
Test objective	Check that the IUT sends a Notify Response to the hosting CSE when receiving	a Notify
	request containing aggregated notifications	
Reference	ETSI TS 118 101 [1], clause 6.2.12, ETSI TS 118 104 [2], clause 7.5.1.2	
Config Id	CF03	
Parent Release	Release 1	
PICS Selection	PICS_AE	
Initial conditions	with {	
	the IUT having been registered and	
	the IUT having created subscription resource under the CSE and	
	the IUT being reachable through a URL ACCESSIBLE_URL	
	}	
Expected behaviour	Test events	Direction
	when {	IUT ← CSE
	then { the IUT sends a valid Response to the hosting CSE containing Response Status Code set to RESPONSE_STATUS_CODE	CSE ← IUT

7.2.1.5 Communication Management and Delivery Handling (CMDH)

7.2.1.5.1 Resource pollingChannel (PCH)

TP/oneM2M/AE/PCH/001

TP Id	TP/oneM2M/AE/PCH/001	
Test objective	Check that the IUT which performs polling sends the Notify request to <pollingly after="" channel<="" cse="" hosting="" polling="" receiving="" response="" th="" using=""><th>ngChannelURI></th></pollingly>	ngChannelURI>
Reference	ETSI TS 118 101 [1], clause 10.2.13.8 ETSI TS 118 104 [2], clause 7.4.22.2	.5
Config Id	CF03	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered to a CSE1 and the IUT having a <pollingchannel> resource and the IUT having sent a retrieve Request to the CSE To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and the CSE having received the Request from Originator containing To set to AE_RESOURCE_ADDRESS and From set to ORIGINATOR_ID }</pollingchannel>	
Expected behaviour	Test events	Direction
	when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) }	IUT ← CSE
NOTE: Based on fi	then { the IUT sends a NOTIFY Request to the CSE containing To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and Content containing Response Status Code set to RESPONSE_STATUS_CODE } gure 10.2.13.1-1 in ETSI TS 118 101 [1] step 004 and 005.	IUT → CSE

TP/oneM2M/AE/PCH/002

TP Id	TP/oneM2M/AE/PCH/002	
Test objective	Check that the IUT sends an RETRIEVE Request to <pollingchanneluri></pollingchanneluri>	resource
•	See the note below.	
Reference	ETSI TS 118 101 [1], clause 10.2.13.6, ETSI TS 118 104 [2], clause 7.4.22	.2.2
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being registered	
	and the IUT being switched on	
	and the AE having a child <pollingchannel> resource</pollingchannel>	
	}	
Expected behaviour	Test events	Direction
	whom (
1	when {	
	l	
	the IUT is triggered to send a valid RETRIEVE Request containing	NA
	l	NA
	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS }	NA
	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then {	NA
	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a valid RETRIEVE Request containing	
	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS	NA IUT → CSE
	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a valid RETRIEVE Request containing	
NOTE: Based on fi	the IUT is triggered to send a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a valid RETRIEVE Request containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS	

7.2.2 Group CSE (CE)

7.2.2.1 General Capability (GEN)

7.2.2.1.1 CREATE Operation

TP ld	TP/oneM2M/CSE/GEN/CRE/001	
Test objective	Check that the IUT accepts the creation of a <container> resource using unstructured resource</container>	
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FOR	MAT
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a <container> resource TARGET_RESOURCE</container>	_ADDRESS
	and the AE having privileges to perform CREATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE request from AE containing	
	To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and	
	From set to AE_ID and	IUT ← AF
	Resource Type set to 3 (container) and	IUI ~ AE
	Content containing	
	container resource representation	
	}	
	then {	
	the IUT sends a Response message containing	IUT → AF
	Response Status Code set to 2001 (CREATED)	IUI 7 AE
	 }	

TP ld	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/CRE/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/CRE/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/CRE/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP Id	TP/oneM2M/CSE/GEN/CRE/002	
Test objective	Check that the IUT accepts the creation of a <i><container></container></i> resource using structured resource	
root objective	identifier	3104 10004100
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	Т
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a <container> resource TARGET_RESOURCE</container>	_ADDRESS
	and the AE having privileges to perform CREATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE request from AE containing	
	To set to HIERARCHICAL_RESOURCE_ADDRESS and	
	From set to AE_ID and	IIIT 👉 A E
	From set to AE_ID and Resource Type set to 3 (container) and	IUT ← AE
	From set to AE_ID and	IUT ← AE
	From set to AE_ID and Resource Type set to 3 (container) and	IUT ← AE
	From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation }	IUT ← AE
	From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation } then {	IUT ← AE
	From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a Response message containing	
	From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation } then {	IUT ← AE

TP Id	HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/CRE/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/CRE/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/CRE/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Structured-CSE-Relative-Resource-ID.		

	T	
TP Id	TP/oneM2M/CSE/GEN/CRE/003	
Test objective	Check that the IUT accepts the creation of a <i><container></container></i> resource using shortcut	structured
	resource identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a <container> resource TARGET_RESOURCE_</container>	ADDRESS
	and the AE having privileges to perform CREATE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE request from AE containing	
	To set to SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS and	
	From set to AE_ID and	IUT ← AF
	Resource Type set to 3 (container) and	IUI ← AE
	Content containing	
	container resource representation	
	· ·	
	then {	
	the IUT sends a Response message containing	$\Pi\Pi \rightarrow \Lambda E$
	the IUT sends a Response message containing Response Status Code set to 2001 (CREATED)	IUT → AE

TP Id	SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/CRE/003_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/CRE/003_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/CRE/003_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Structured-CSE-Relative-Resource-ID.		

	T		
TP Id	TP/oneM2M/CSE/GEN/CRE/004		
Test objective	Check that the IUT accepts the creation of a <i><container></container></i> resource using structured resource		
	identifier with hybrid addressing.		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	Т	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>		
	and the AE having privileges to perform CREATE operation on the resource		
	TARGET_RESOURCE_ADDRESS		
	}		
	}		
Expected behaviour	} Test events	Direction	
Expected behaviour	} Test events when {	Direction	
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing	Direction	
Expected behaviour	when {	Direction	
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing		
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and	Direction IUT ← AE	
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and		
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and		
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and Content containing		
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and Content containing		
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a Response message containing	IUT ← AE	
Expected behaviour	when { the IUT receives a valid CREATE request from AE containing To set to HYBRID_HIERARCHICAL_ RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and Content containing container resource representation } then {		

TP ld	HYBRID_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/CRE/004_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/CRE/004_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/CRE/004_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the STRUCTURED CSE RELATIVE RESOURCE ID.		

7.2.2.1.2 UPDATE Operation

TP/oneM2M/CSE/GEN/UPD/001

TP ld	TP/oneM2M/CSE/GEN/UPD/001	
Test objective	Check that the IUT accepts the update of a <container> resource using unstructured resource</container>	
-	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FOR	MAT
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE	
	and the AE having privileges to perform UPDATE operation on the resource	9
	TARGET_RESOURCE_ADDRESS	
	TANGET_NEGGONGE_NEBNEGG	
Formatad habariana	}	Dinastian
Expected behaviour	} Test events	Direction
Expected behaviour	}	Direction IUT ← AE

TP Id	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/UPD/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/UPD/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/UPD/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP/oneM2M/CSE/GEN/UPD/002

TD ! !	TD/ MONA/OOF/OFN//IDD/OO	
TP Id	TP/oneM2M/CSE/GEN/UPD/002	
Test objective	Check that the IUT accepts the update of a <container> resource using structure</container>	red resource
	identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	T
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE	
	and the AE having privileges to perform UPDATE operation on the resource	9
	TARGET_RESOURCE_ADDRESS	
	}	
	}	
Expected behaviour	} Test events	Direction
Expected behaviour	100101101	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute }	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then {	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then { the IUT sends a Response message containing	
Expected behaviour	when { the IUT receives a valid UPDATE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then {	IUT ← AE

TP ld	HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/UPD/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/UPD/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/UPD/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with the	e Structured-CSE-Relative-Resource-ID.

TP/oneM2M/CSE/GEN/UPD/003

TP Id	TP/oneM2M/CSE/GEN/UPD/003	
Test objective	Check that the IUT accepts the update of a <i><container></container></i> resource using shortcut structured	
	resource identifier	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS or	f type
	RESOURCE_TYPE	
	and the AE having privileges to perform UPDATE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE request from AE containing To set to SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute }	IUT ← AE
	then { the IUT sends a Response message containing Response Status Code set to 2004 (UPDATED) }	IUT → AE

TP ld	SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/UPD/003_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/UPD/003_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/UPD/003_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed v	vith the Structured-CSE-Relative-Resource-ID.

TP/oneM2M/CSE/GEN/UPD/004

TP Id	TP/oneM2M/CSE/GEN/UPD/004		
Test objective	Check that the IUT accepts the update of a <container> resource using structured resource</container>		
	identifier with hybrid addressing.		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	Т	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS	of type	
	RESOURCE_TYPE		
	and the AE having privileges to perform UPDATE operation on the resource)	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid UPDATE request from AE containing		
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and		
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AF	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing	IUT ← AE	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute }	IUT ← AE	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then {	IUT ← AE	
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then { the IUT sends a Response message containing		
	the IUT receives a valid UPDATE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing valid labels attribute } then {	IUT ← AE	

TP ld	HYBRID_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/UPD/004_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/UPD/004_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/UPD/004_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with	h the STRUCTURED_CSE_RELATIVE_RESOURCE_ID.

7.2.2.1.3 RETRIEVE Operation

TP Id	TP/oneM2M/CSE/GEN/RET/001
Test objective	Check that the IUT accepts the retrieval of a <i><container></container></i> resource using unstructured resource
·	identifier
Reference	ETSI TS 118 101 [1], table 9.3.1-1
Config Id	CF01
Parent Release	Release 1
PICS Selection	PICS_CSE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT
Initial conditions	with {
	the IUT being in the "initial state"
	and the IUT having registered the AE
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>
	and the AE having privileges to perform RETRIEVE operation on the resource
	TARGET_RESOURCE_ADDRESS
	}

Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid RETRIEVE request from AE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and no Content }</pre>	IUT ← AE
	then { the IUT sends a Response message containing Response Status Code set to 2000 (OK) and Content containing container resource representation }	IUT → AE

TP Id	NON_HIERARCHICAL_RESOURCE_ADDRESS	
TP/oneM2M/CSE/GEN/RET/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID	
TP/oneM2M/CSE/GEN/RET/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)	
TP/oneM2M/CSE/GEN/RET/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)	
NOTE: These addresses are constructed with the Unstructured-CSE-Relative-Resource-ID.		

TP Id	TP/oneM2M/CSE/GEN/RET/002		
Test objective	Check that the IUT accepts the retrieval of a <container> resource using structured resource</container>		
	identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	PARENT_RELEASE		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	T	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE</container>		
	and the AE having privileges to perform RETRIEVE operation on the resour	ce	
	TARGET_RESOURCE_ADDRESS		
	}		
	}		
Expected behaviour	} Test events	Direction	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE request from AE containing To set to HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and no Content } then {	Direction IUT ← AE	

TP ld	HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/RET/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/RET/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/RET/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with the	e Structured-CSE-Relative-Resource-ID.

TP ld	TP/oneM2M/CSE/GEN/RET/003		
Test objective	Check that the IUT accepts the retrieval of a <i><container></container></i> resource using shortcut structured		
	resource identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	PARENT_RELEASE		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	T	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE</container>	_ADDRESS	
	and the AE having privileges to perform RETRIEVE operation on the resour	ce	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid RETRIEVE request from AE containing To set to SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE	
	then { the IUT sends a Response message containing Response Status Code set to 2000 (OK) and Content containing	IUT → AE	

TP ld	SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/RET/003_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/RET/003_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/RET/003_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed v	vith the Structured-CSE-Relative-Resource-ID.

TP Id	TP/oneM2M/CSE/GEN/RET/004
Test objective	Check that the IUT accepts the retrieval of a <i><container></container></i> resource using structured resource
	identifier with hybrid addressing.
Reference	ETSI TS 118 101 [1], table 9.3.1-1
Config Id	CF01
Parent Release	Release 2
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMAT
Initial conditions	with {
	the IUT being in the "initial state"
	and the IUT having registered the AE
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>
	and the AE having privileges to perform RETRIEVE operation on the resource
	TARGET_RESOURCE_ADDRESS
	}

Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid RETRIEVE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and no Content }</pre>	IUT ← AE
	then { the IUT sends a Response message containing Response Status Code set to 2000 (OK) and Content containing container resource representation }	IUT → AE

TP ld	HYBRID_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/RET/004_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/RET/004_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/RET/004_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with	th the STRUCTURED_CSE_RELATIVE_RESOURCE_ID.

7.2.2.1.4 DELETE Operation

TP ld	TP/oneM2M/CSE/GEN/DEL/001		
Test objective	Check that the IUT accepts the deletion of a <container> resource using unstru</container>	ctured resource	
	identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE, PICS_UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID_FOR	MAT	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>		
	and the AE having privileges to perform DELETE operation on the resource)	
	TARGET_RESOURCE_ADDRESS		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid DELETE request from AE containing To set to NON_HIERARCHICAL_RESOURCE_ADDRESS and		
	From set to AE_ID and	IUT ← AE	
	no Content		
	}		
	then {		
	the IUT sends a Response message containing	T	
	Response Status Code set to 2002 (DELETED)	IUT → AE	
)		

TP ld	NON_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/DEL/001_CSR	UNSTRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/DEL/001_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/DEL/001_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with	th the Unstructured-CSE-Relative-Resource-ID.

TP/oneM2M/CSE/GEN/DEL/002

TP ld	TP/oneM2M/CSE/GEN/DEL/002		
Test objective	Check that the IUT accepts the deletion of a <i><container></container></i> resource using structu	red resource	
1000 011,001110	identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	PARENT_RELEASE		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	T	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>		
	and the AE having privileges to perform DELETE operation on the resource		
	TARGET_RESOURCE_ADDRESS		
	<u> </u>		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid DELETE request from AE containing		
	To set to HIERARCHICAL_RESOURCE_ADDRESS and	IUT ← AE	
	From set to AE_ID and		
	no Content		
	} 		
	then {		
	the IUT sends a Response message containing	$IUT \rightarrow AE$	
	Response Status Code set to 2002 (DELETED)		
	[J		

TP Id	HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/DEL/002_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/DEL/002_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/DEL/002_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with t	he Structured-CSE-Relative-Resource-ID.

TP Id	TP/oneM2M/CSE/GEN/DEL/003		
Test objective	Check that the IUT accepts the deletion of a <container> resource using shortcut structured</container>		
	resource identifier		
Reference	ETSI TS 118 101 [1], table 9.3.1-1		
Config Id	CF01		
Parent Release	PARENT_RELEASE		
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	Т	
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the IUT having created a <container> resource TARGET_RESOURCE_ADDRESS</container>		
	and the AE having privileges to perform DELETE operation on the resource		
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid DELETE request from AE containing To set to SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS and	IUT ← AE	
	From set to AE_ID and no Content }		

TP ld	SHORTCUT_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/DEL/003_CSR/	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/DEL/003_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/DEL/003_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed	with the Structured-CSE-Relative-Resource-ID.

TP/oneM2M/CSE/GEN/DEL/004

TP ld	TP/oneM2M/CSE/GEN/DEL/004	
Test objective	Check that the IUT accepts the deletion of a <container> resource using structured resource</container>	
	identifier with hybrid addressing.	
Reference	ETSI TS 118 101 [1], table 9.3.1-1	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_CSE, PICS_STRUCTURED_CSE_RELATIVE_RESOURCE_ID_FORMA	T
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the IUT having created a <container> resource TARGET_RESOURCE and the AE having privileges to perform DELETE operation on the resource TARGET_RESOURCE_ADDRESS }</container></pre>	
Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid DELETE request from AE containing To set to HYBRID_HIERARCHICAL_RESOURCE_ADDRESS and From set to AE_ID and no Content }</pre>	IUT ← AE
	then { the IUT sends a Response message containing Response Status Code set to 2002 (DELETED) }	IUT → AE

TP Id	HYBRID_HIERARCHICAL_RESOURCE_ADDRESS
TP/oneM2M/CSE/GEN/DEL/004_CSR	STRUCTURED_CSE_RELATIVE_RESOURCE_ID
TP/oneM2M/CSE/GEN/DEL/004_SPR	SP_RELATIVE_RESOURCE_ID, (see note)
TP/oneM2M/CSE/GEN/DEL/004_ABS	ABSOLUTE_RESOURCE_ID, (see note)
NOTE: These addresses are constructed with	th the STRUCTURED_CSE_RELATIVE_RESOURCE_ID.

7.2.2.2 Registration (REG)

7.2.2.2.1 RETRIEVE Operation

TP ld	TP/oneM2M/CSE/REG/RET/001
Test objective	Check that the IUT accepts a retrieval request of <csebase> resource and responds with all</csebase>
	attributes that have multiplicity equals to 1.
Reference	ETSI TS 118 101 [1], clause 10.2.3.2 and clause 9.6.3, ETSI TS 118 104 [2], clause 7.4.3.2.2
Config Id	CF01
Parent Release	Release 1
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 privileges to perform RETRIEVE operation on the CSEBase resource
	}

Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing CSEBase resource representation }	IUT → AE

		1
TP Id	TP/oneM2M/CSE/REG/RET/002	
Test objective	Check that the IUT accepts a retrieval request of <csebase> resource with the</csebase>	optional
	ATTRIBUTE.	
Reference	ETSI TS 118 101 [1], clause 10.2.3.2 and clause 9.6.3, ETSI TS 118 104 [2], cla	use 7.4.3.2.2
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform RETRIEVE operation on the CSEB	ase resource
	and the IUT having a CSEBase resource containing	
	the valid ATTRIBUTE attribute	
	 }	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to CSEBASE_RESOURCE_ADDRESS and	U.T. / A.E.
	From set to AE_ID and	IUT ← AE
	no Content	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2000 (OK) and	
	Content containing	IUT → AE
	CSEBase resource containing	
	valid ATTRIBUTE attribute	
i e		
	\	

TP Id	PICS Selection	Reference	ATTRIBUTE
TP/oneM2M/CSE/REG/RET/002_CST	PICS_CB_CST	ETSI TS 118 101, clause 9.6.3	cseType
TP/oneM2M/CSE/REG/RET/002 NL	PICS CB NL	ETSI TS 118 101, clause 9.6.3	nodeLink

TP Id	TP/oneM2M/CSE/REG/RET/003
Test objective	Check that the IUT accepts a retrieval request of <ae> resource with attributes multiplicity</ae>
	equals to 1.
Reference	ETSI TS 118 101 [1], clause 10.2.1 and clause 9.6.5, ETSI TS 118 104 [2], clause 7.4.5.2.2
Config Id	CF01
Parent Release	Release 1
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 privileges to perform RETRIEVE operation on the AE resource }

Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid RETRIEVE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID }</pre>	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing AE resource representation }	IUT → AE

TP Id	TP/oneM2M/CSE/REG/RET/004	
Test objective	Check that the IUT accepts a retrieval request of <ae> resource with optional A</ae>	TTRIBUTE.
Reference	ETSI TS 118 101 [1], clause 10.2.1.2 and clause 9.6.5, ETSI TS 118 104 [2], cla	ause 7.4.5.2.2
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	valid <i>ATTRIBUTE</i> attribute	
	and the AE having privileges to perform RETRIEVE operation on the AE res	source
	1	
	J	
Expected behaviour	Test events	Direction
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID }	Direction IUT ← AE

TP ld	PICS Selection	Reference	ATTRIBUTE
TP/oneM2M/CSE/REG/RET/004_LBL	PICS_AE_LBL	ETSI TS 118 101 [1], clause 9.6.5	labels
TP/oneM2M/CSE/REG/RET/004_APN	PICS_AE_APN	ETSI TS 118 101 [1], clause 9.6.5	appName
TP/oneM2M/CSE/REG/RET/004_POA	PICS_AE_POA	ETSI TS 118 101 [1], clause 9.6.5	pointOfAccess
TP/oneM2M/CSE/REG/RET/004_NL	PICS_AE_NL	ETSI TS 118 101 [1], clause 9.6.5	nodeLink
TP/oneM2M/CSE/REG/RET/004 CSZ	PICS AE CSZ	ETSI TS 118 101 [1], clause 9.6.5	contentSerialization

TP ld	TP/oneM2M/CSE/REG/RET/005
Test objective	Check that the IUT accepts a retrieval request of <csebase> resource including the cseType</csebase>
	attribute
Reference	ETSI TS 118 101 [1], clause 10.2.3.2 and clause 9.6.3, ETSI TS 118 104 [2], clause 7.4.3.2.2
Config Id	CF01
Parent Release	Release 1
PICS Selection	PICS_IN_CSE
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE and the AE having privileges to perform RETRIEVE operation on the CSEBase resource }

Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing CSEBase resource containing cseType attribute set to 1 (IN_CSE) }	IUT → AE

TP Id	TP/oneM2M/CSE/REG/RET/006	
Test objective	Check that the IUT accepts a retrieval request of <remotecse> resource</remotecse>	Э.
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1 and clause 9.6.4 ETSI TS 118 10	14 [2], clause 7.4.4.2.1
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the ORIGINATOR	
	and the ORIGINATOR having privileges to perform RETRIEVE oper	ation on the
	remoteCSE resource	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from ORIGINATOR containing To set to REMOTECSE_RESOURCE_ADDRESS and From set to ORIGINATOR_ID }	IUT ← ORIGINATOR
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing remoteCSE resource representation }	IUT → ORIGINATOR

		1
TP ld	TP/oneM2M/CSE/REG/RET/007	
Test objective	Check that the IUT accepts a retrieval request of <remotecse> resource v</remotecse>	with optional
	ATTRIBUTE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1 and clause 9.6.4, ETSI TS 118 104	[2], clause 7.4.4.2.1
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the ORIGINATOR	
	and the ORIGINATOR having privileges to perform RETRIEVE operat	ion on the
	remoteCSE resource	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from ORIGINATOR containing	
	To set to REMOTECSE_RESOURCE_ADDRESS and From set to ORIGINATOR_ID } then {	IUT ← ORIGINATOR

TP ld	PICS Selection	Reference	ATTRIBUTE
TP/oneM2M/CSE/REG/RET/007_LBL	PICS_CSR_LBL	ETSI TS 118 101 [1], clause 9.6.4	labels
TP/oneM2M/CSE/REG/RET/007_CST	PICS_CSR_CST	ETSI TS 118 101 [1], clause 9.6.4	cseType
TP/oneM2M/CSE/REG/RET/007_POA	PICS_CSR_POA	ETSI TS 118 101 [1], clause 9.6.4	pointOfAccess
TP/oneM2M/CSE/REG/RET/007_NL	PICS_CSR_NL	ETSI TS 118 101 [1], clause 9.6.4	nodeLink

TP ld	TP/oneM2M/CSE/REG/RET/008	
Test objective	Check that the IUT accepts a retrieval request of <csebase> resource and response</csebase>	onds with
	supportedResourceTypes attribute containing a list of the supported resources a	
	pointOfAccess containing the list of physical addresses to be used by Registree	to connect to
	this CSE (e.g. IP address, FQDN).	
Reference	ETSI TS 118 101 [1], clause 10.2.3.2 and clause 9.6.3, ETSI TS 118 104 [2], clause 10.2.3.2	ause 7.4.3.2.2
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform RETRIEVE operation on the CSEB	ase resource
	 }	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID }	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then {	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing CSEBase resource containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing CSEBase resource containing supportedResourceType set to PX_SRT	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing CSEBase resource containing	IUT ← AE

TP ld	TP/oneM2M/CSE/REG/RET/009	
Test objective	Check that IUT sends a <remotecse> retrieve request on</remotecse>	
	TARGET_REMOTE_CSE_ADDRESS	
Reference	ETSI TS 118 101 [1], clause 10.2.2.2, ETSI TS 118 104 [2], clause 7.4.5.2.3	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having created a resource TARGET_REMOTE_CSE_ADDRE the IUT having privileges to perform RETRIEVE operation on the resource TARGET_REMOTE_CSE_ADDRESS }</pre>	
Expected behaviour	Test events	Direction
	<pre>when { the IUT is triggered to send a valid RETRIEVE Request containing To set to TARGET_REMOTE_CSE_ADDRESS }</pre>	NA
	then { the IUT sends a valid RETRIEVE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and From set to CSE_ID and no Content }	IUT → CSE

TP/oneM2M/CSF/REG/RET/010	
Release 1	
PICS_CSE	
with {	
the IUT being in the "initial state"	
and the IUT having created a resource TARGET REMOTE CSE ADDRES	SS
}	
Test events	Direction
when {	
	IUT ← CSE
no Content	
<u>}</u>	
	IUT → CSE
Content containing	101 / CSE
remoteCSE resource representation	
	with { the IUT being in the "initial state" and the IUT having created a resource TARGET_REMOTE_CSE_ADDRES and the IUT having privileges to perform RETRIEVE operation on the resou TARGET_REMOTE_CSE_ADDRESS }

7.2.2.2.2 CREATE Operation

TP Id	TP/oneM2M/CSE/REG/CRE/001	
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>	
	to 1 and provided preprovisioned SP_RELATIVE_AE_ID	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, ETSI TS 118 104 [2], clause 7.4.	5.2.1
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_SELECTION	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having preconfigured AE_ID_stem	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to SP_RELATIVE_AE_ID and Resource Type set to 2(AE) and Content containing AE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing AE resource representation }	IUT → AE

TP ld	PARENT_RELEASE	SP_RELATIVE_ AE_ID	PICS_SELECTION
TP/oneM2M/CSE/REG/CRE/001_CAE	Release 1	Starting with "C"	PICS_CSE
TP/oneM2M/CSE/REG/CRE/001_SAE	Release 2	Starting with "S"	PICS_IN_CSE

	Ţ	
TP Id	TP/oneM2M/CSE/REG/CRE/002	
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>	
	to 1 and provided preprovisioned AE_ID_STEM of AE-ID-Stem format	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case d, ETSI TS 118 104 [2], clause 7.4.	5.2.1
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_SELECTION	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having preconfigured AE_ID_stem	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID_STEM and Resource Type set to 2 (AE) and Content containing AE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing AE resource representation }	IUT → AE

TP ld	PARENT_RELEASE	AE_ID_STEM	PICS_SELECTION
TP/oneM2M/CSE/REG/CRE/002_CAE	Release 1	Starting with "C"	PICS_CSE
TP/oneM2M/CSE/REG/CRE/002_SAE	Release 2	Starting with "S"	PICS_IN_CSE

	_	
TP Id	TP/oneM2M/CSE/REG/CRE/003	
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>	
	to 1 and provided preprovisioned S-AE-ID-STEM	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, ETSI TS 118 104 [2], clause 7.4	.5.2.1
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having registered to the IN-CSE	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	From set to S-AE-ID-STEM and	
	Resource Type set to 2(AE) and	IUT ← AE
	Content containing	
	AE resource representation	
	}	
	then{	
	the IUT sends a valid CREATE Request to IN-CSE containing	
	From set to SP-RELATIVE-AE-ID and	
	Content containing	IUT → IN-CSE
	AEAnnc resource containing	IOI 7 IN-CSE
	link attribute set to SP-RELATIVE-AE-ID and	
	labels attribute set to "Credential-ID:None"	
	}	
	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM }	
S-AE-ID-ST	EM = Valid AE-ID-Stem starting with "S".	

TP Id	TP/oneM2M/CSE/REG/CRE/004	
Test objective	Check that the IUT rejects an AE registration (allowed App-ID, not allowed C-AE-ID-STEM	
	provided by AE)	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 step 3 and clause 9.6.19	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT not allowing to register an AE containing	
	allowed App-ID attribute indicating APP-ID and	
	no t allowed AE-ID attribute indicating C-AE-ID-STEM	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and From set to C-AE-ID-STEM and Content containing AE resource containing App-ID attribute set to APP-ID }	IUT ← AE
	then { the IUT does not create the AE resource and the IUT sends a valid Response containing Response Status Code set to 4107 (SECURITY_ASSOCIATION_REQUIRED) }	IUT → AE

TP Id	TP/oneM2M/CSE/REG/CRE/005	
Test objective	Check that the IUT accepts an AE registration (allowed App-ID, S-AE-ID-STEM AE)	not provided by
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, and clause 9.6.19	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered to the IN-CSE and and the IUT allowing to register an AE containing App-ID attribute set to APP-ID }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and From set to "S" and Content containing AE resource containing App-ID attribute set to APP-ID }	IUT ← AE
	then { the IUT sends a valid CREATE Request to the IN-CSE containing Resource Type set to 10002 (AEAnnc) and From set to SP-RELATIVE-CSE-ID followed by '/S' and Content containing AEAnnc resource containing App-ID attribute set to APP-ID and valid link attribute and labels attribute indicating 'Credential-ID:None' }	IUT → IN-CSE

TP Id	TP/oneM2M/CSE/REG/CRE/006	
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>	
-	to 1 and provided character 'S' in AE_ID_Stem	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, ETSI TS 118 104 [2], clause 7.4.	5.2.1
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having registered to the IN-CSE	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing From set to character 'S' and Resource Type set to 2(AE) and Content containing AE resource representation }	IUT ← AE
NOTE: CD DELATI	then{ the IUT sends a valid CREATE Request to IN_CSE containing From set to SP-RELATIVE-CSE-ID followed by '/S' and Content containing AEAnnc resource containing link attribute set to SP-RELATIVE-AE-ID }	IUT → IN-CSE
NOTE: SP-RELATI AE ID Ster	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{AE_ID_Stem} n = "S"	
, \L_ID_O(C)	0.	

TP ld	TP/oneM2M/CSE/REG/CRE/007	
Test objective	Check that the IUT accepts an response of AEANNC create request during AE I	registration with
	provided character 'S' in AE_ID_Stem	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, ETSI TS 118 104 [2], clause 7.4.	5.2.1
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having registered to the IN-CSE and	
	the IUT having received a valid AE create request containing	
	From set to "S" and	
	the IUT having sent a valid AEANNC create to IN_CSE	
	<u> </u>	
Expected behaviour	Test events	Direction
	when{	
	the IUT receives a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	IIIT . IN CCE
	Content containing AEAnnc resource containing	IUT <- IN-CSE
	link attribute set to SP-RELATIVE-AE-ID	
	IIIIK attribute set to SF-NELATIVE-AE-ID	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	
	AE resource containing	$IUT \rightarrow AE$
	ResourceID attribute set to S-AE-ID-STEM and	
	AE-ID attribute set to S-AE-ID-STEM	
	}	
NOTE: SP-RELATI	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM}	
	EM = Valid AE-ID-Stem assigned by IN-CSE.	
·		

TP ld	TP/oneM2M/CSE/REG/CRE/008	
Test objective	Check that the IUT accepts an AE re-registration (allowed M2M-SP-assigned AE-ID, S-AE-ID-	
-	STEM provided by AE), transfer request to the IN-CSE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, step 5 and clause 9.6.19	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	the IUT having registered to the IN-CSE and	
	the AE having already been registered containing	
	AE-ID set to S-AE-ID-STEM and	
	the AE having deregistered	
	}	1
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	Resource Type set to 2 (AE) and	
	From set to S-AE-ID-STEM and	IUT ← AE
	Content containing	
	AE resource representation	
	it and	
	then {	
	the IUT sends a valid UPDATE Request to the IN-CSE containing From set to SP-RELATIVE-AE-ID and	
	Content containing	
	AEAnnc resource containing	IUT → IN-CSE
	App-ID attribute set to APP-ID and	IOI 7 IIN-COE
	link attribute set to SP-RELATIVE-AE-ID and	
	labels attribute indicating 'Credential-ID:None'	
	}	
NOTE: SP-RELATI	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM }	1
	EM = Value starting with "S" assigned by IN-CSE.	

TP Id	TP/oneM2M/CSE/REG/CRE/009			
Test objective	Check that the IUT accepts an AE re-registration (allowed M2M-SP-assigned AE-ID, S-AE-ID-			
-	STEM provided by AE), communication between MN-CSE and IN-CSE			
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, step 5-8			
Config Id	CF03			
Parent Release	Release 2			
PICS Selection	PICS_IN_CSE			
Initial conditions	with {			
	the IUT being in the "initial state" and			
	the IUT having registered the MN-CSE and			
	the AE having already been registered containing			
	AE-ID set to S-AE-ID-STEM and			
	the AE having deregistered			
	<u>_</u>			
Expected behaviour	Test events	Direction		
	when {			
	the IUT receives a valid UPDATE Request from the MN-CSE containing			
	To set to AEANNC_RESOURCE_ADDRESS and			
	From set to SP-RELATIVE-AE-ID and	ULTZ MAN OOF		
	Content containing AEAnnc resource containing			
	link attribute set to SP-RELATIVE-AE-ID and			
	labels attribute indicating 'Credential-ID:None'			
	then {			
	the IUT updates the AEANNC_RESOURCE_ADDRESS resource			
	and the IUT sends a valid Response to MN-CSE containing			
	Response Status Code set to 2004 (UPDATED) and			
	Content containing IUT → MN-CSE			
	AEAnnc resource containing			
	link attribute set to SP-RELATIVE-AE-ID and			
	labels attribute indicating 'Credential-ID:None'			
	}			
NOTE: SP-RELATI	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM }			
	EM = Value starting with "S" assigned by IN-CSE.			

TP Id	TP/oneM2M/CSE/REG/CRE/010		
Test objective	Check that the IUT accepts an AE re-registration (allowed M2M-SP-assigned AE-ID, S-AE-ID-		
	STEM provided by AE), transfer response to the AE		
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, step 8		
Config Id	CF02		
Parent Release	Release 2		
PICS Selection	PICS_MN_CSE		
Initial conditions	with {		
	the IUT being in the "initial state" and		
	the IUT having registered the MN-CSE and		
	the AE having already been registered containing		
	AE-ID set to S-AE-ID-STEM and		
	the AE having deregistered and		
	the AE having sent a registration containing		
	From set to S-AE-ID-STEM and		
	the IUT having sent a valid AEAnnc UPDATE Request to IN-CSE		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid UPDATE Response from IN-CSE containing		
	Response Status Code set to 2004 (UPDATED) and		
	Content containing	IUT ← IN-CSE	
	AEAnnc resource containing		
	link attribute set to SP-RELATIVE-AE-ID and		
	labels attribute indicating 'Credential-ID:None'		
	<u>}</u>		
	then {		
	the IUT sends a valid Response to the AE containing		
	Response Status Code set to 2001 (CREATED) and Content containing	IUT → AF	
	AE resource containing	IUI 7 AE	
	AE-lesource containing AE-ID attribute set to S-AE-ID-STEM		
	אביזט מנוווטטנפ פני נט סיאביזטיס דבועו		
NOTE: SP-RELATI	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM }	<u> </u>	
	EM = Value starting with "S" assigned by IN-CSE.		

TP ld	TP/oneM2M/CSE/REG/CRE/011		
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>		
	to 1 and asking AE_ID_Stem by indicating AE_ID_Stem starting with character '		
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case c, ETSI TS 118 104 [2], clause 7.4.	5.2.1	
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state" and		
	the IUT having preconfigured AE_ID_stem		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid CREATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to 'C' and Resource Type set to 2(AE) and Content containing AE resource representation }	IUT ← AE	
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing AE resource containing ResourceID attribute indicating a value starting with 'C' }	IUT → AE	

TP ld	TP/oneM2M/CSE/REG/CRE/012	
Test objective	Check that the IUT accepts an AE registration with the optional attribute	
-	OPTIONAL_ATTRIBUTE provided	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 and table 9.6.5-2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having a CSEBase resource	
)	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and From set to AE_ID and Content containing AE resource containing valid OPTIONAL_ATTRIBUTE attribute }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing AE resource containing valid OPTIONAL_ATTRIBUTE attribute }	IUT → AE

TP ld	PICS Selection	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/CRE/012_AE/LBL		2 · 0 · · 0 · · 0 · [·], table elec 2	labels
TP/oneM2M/CSE/REG/CRE/012_AE/APN	PICS_AE_APN	ETSI TS 118 101 [1], table 9.6.5-2	AppName
TP/oneM2M/CSE/REG/CRE/012_AE/POA	PICS_AE_POA	ETSI TS 118 101 [1], table 9.6.5-2	pointOfAccess
TP/oneM2M/CSE/REG/CRE/012_AE/NL	PICS_AE_NL	ETSI TS 118 101 [1], table 9.6.5-2	nodeLink
TP/oneM2M/CSE/REG/CRE/012_AE/OR	PICS_AE_OR	ETSI TS 118 101 [1], table 9.6.5-2	ontologyRef

TP ld	TP/oneM2M/CSE/REG/CRE/013	
Test objective	Check that the IUT accepts a create request of <remotecse> resource with</remotecse>	
_	OPTIONAL_ATTRIBUTE.	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1 and clause 9.6.4, ETSI TS 118 104 [2], c	lause 7.4.4.2.1
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
]}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from CSE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to CSE_ID and Resource Type set to 16(remoteCSE) and Content containing remoteCSE resource representation containing OPTIONAL_ATTRIBUTE attribute }	IUT ← CSE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing remoteCSE resource representation }	IUT → CSE

TP ld	PICS Selection	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/CRE/013_LBL	PICS_CSR_LBL	ETSI TS 118 101 [1], clause 9.6.4	labels
TP/oneM2M/CSE/REG/CRE/013_CST	PICS_CSR_CST	ETSI TS 118 101 [1], clause 9.6.4	cseType
TP/oneM2M/CSE/REG/CRE/013_POA	PICS_CSR_POA	ETSI TS 118 101 [1], clause 9.6.4	pointOfAccess
TP/oneM2M/CSE/REG/CRE/013_NL	PICS_CSR_NL	ETSI TS 118 101 [1], clause 9.6.4	nodeLink

TP ld	TP/oneM2M/CSE/REG/CRE/014		
Test objective	Check that the IUT retargets the request to the remoteCSE according to pointOfAccess in the		
_	<pre><remotecse> resource.</remotecse></pre>		
Reference	ETSI TS 118 101 [1], clause 9.6.4 and clause 9.3.2.2.3, ETSI TS 118 104	[2], clause 6.2.3	
Config Id	CF02		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state" and		
	the IUT having created the remoteCSE resource containing		
	POINT_OF_ACCESS attribute		
	}		
Expected behaviour	Test events	Direction	
	<pre>when { the IUT receives a valid REQUEST from Originator containing To set to RESOURCE_ADDRESS and From set to Originator_ID }</pre>	IUT ← Originator	
	<pre>then { the IUT sends the REQUEST to POINT_OF_ACCESS }</pre>	IUT → CSE	

TP Id	TP/oneM2M/CSE/REG/CRE/015		
Test objective	Check that the IUT retargets the request to the CSE according to pointOfAccess in the		
	<remotecse> resource and forward the response back to the originator.</remotecse>		
Reference	ETSI TS 118 101 [1], clause 9.6.4 and clause 9.3.2.2.3, ETSI TS 118 104 [[2], clause 6.2.3	
Config Id	CF02		
Parent Release	Release 1		
PICS Selection	PICS_CSE, PICS_SP_RELATIVE_RESOURCE_ID, PICS_ABSOLUTE_F	RESOURCE_ID	
Initial conditions	with { the IUT being in the "initial state" and the IUT having received a valid REQUEST from Originator and The IUT having sent the REQUEST to the remoteCSE }		
Expected behaviour	Test events Direction		
	<pre>when { the IUT receives a valid RESPONSE from the remoteCSE }</pre>	IUT ← CSE	
	then { the IUT sends the RESPONSE to the Originator }	IUT → Originator	

TP Id	TP/oneM2M/CSE/REG/CRE/016	
Test objective	Check that the IUT rejects an AE registration (not allowed App-ID)	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 step 3 and clause 9.6.19	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT not allowing to register an AE containing not allowed App-ID attribute indicating APP-ID	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and Content containing AE resource containing App-ID attribute set to APP-ID }	IUT ← AE
	then { the IUT does not create the AE resource and the IUT sends a valid Response containing Response Status Code set to 4107 (SECURITY_ASSOCIATION_REQUIRED) }	IUT → AE

TP Id	TP/oneM2M/CSE/REG/CRE/017	
Test objective	Check that the IUT rejects a create request of <ae> resource that does not include the</ae>	
	MANDATORY ATTRIBUTE.	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2, ETSI TS 118 104 [2], clause 7.4.5.2.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having preconfigured AE_ID_stem	
)	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 2(AE) and Content containing AE resource containing no MANDATORY_ATTRIBUTE attribute }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4000 (BAD Request) }	IUT → AE

TP ld	Reference	ATTRIBUTE
TP/oneM2M/CSE/REG/CRE/017_API	ETSI TS 118 101 [1], clause 9.6.5	App-ID
TP/oneM2M/CSE/REG/CRE/017_RR	ETSI TS 118 101 [1], clause 9.6.5	requestReachability

	TTP/ MONIOCE/DEC/ODE/010	
TP Id	TP/oneM2M/CSE/REG/CRE/018	
Test objective	Check that the IUT accepts a create request of <remotecse> resource with attributes</remotecse>	
	multiplicity equals to 1.	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1 and clause 9.6.4, ETSI TS 118 104 [2], c	lause 7.4.5.2.2
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from CSE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to CSE_ID and Resource Type set to 16(remoteCSE) and Content containing remoteCSE resource representation }	IUT ← CSE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing remoteCSE resource representation }	IUT → CSE

	-	
TP ld	TP/oneM2M/CSE/REG/CRE/019	
Test objective	Check that the IUT accepts a create request of <remotecse> resource with attributes</remotecse>	
	multiplicity equals to 1 without the preconfigured CSE-ID.	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1 and clause 9.6.4, ETSI TS 118 104 [2], c	lause 7.4.5.2.2
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from CSE containing To set to CSEBASE_RESOURCE_ADDRESS and no From and Resource Type set to 16(remoteCSE) and Content containing remoteCSE resource representation }	IUT ← CSE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing remoteCSE resource representation }	IUT → CSE

TP Id	TP/oneM2M/CSE/REG/CRE/020		
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes multiplicity equals</ae>		
	to 1 and asking AE_ID_Stem by indicating AE_ID_Stem starting with character 'S'.		
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, ETSI TS 118 104 [2], clause 7.4.	5.2.1	
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_IN_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid CREATE Request from AE containing		
	From set to 'S' and		
	Resource Type set to 2(AE) and	$IUT \leftarrow AE$	
	Content containing		
	AE resource representation		
	}		
	then {		
	the IUT sends a valid Response containing		
	Response Status Code set to 2001 (CREATED) and		
	Content containing	$IUT \rightarrow AE$	
	AE resource containing		
	ResourceID attribute set to S-AE-ID-STEM		
	}		
NOTE: S-AE-ID-ST	EM = Value starting with "S" assigned by IN-CSE.		

TP Id	TP/oneM2M/CSE/REG/CRE/021	
Test objective	Check that the IUT rejects the create request of <csebase> resource.</csebase>	
Reference	ETSI TS 118 101 [1], clause 10.2.3.1 and clause 9.6.3, ETSI TS 118 104 [2], clause 10.2.3.1	ause 7.4.3.2.1
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and Resource Type set to 5 (CSEBase) and From set to AE-ID and Content containing CSEBase resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED) }	IUT → AE

TP ld	TP/oneM2M/CSE/REG/CRE/022	
Test objective	Check that the IUT accepts an AE registration (allowed App-ID, C-AE-ID-STEM AE)	not provided by
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case C and clause 9.6.19	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT allowing to register an AE containing	
	App-ID attribute indicating APP-ID and	
	AE-ID attribute indicating C-AE-ID-STEM	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and From set to 'C' and Content containing AE resource containing App-ID attribute set to APP-ID }	IUT ← AE
	then { the IUT creates the AE resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) }	IUT → AE

1		
TP Id	TP/oneM2M/CSE/REG/CRE/023	
Test objective	Check that the IUT rejects registration of already registered AE (C-AE-ID-STEM provided by	
-	AE)	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 step 4 and clause 9.6.19	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having registered the AE with	
	AE-ID attribute set to C-AE-ID-STEM	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to 2 (AE) and To set to TARGE_CSE_RESOURCE_ADDRESS and From set to C-AE-ID-STEM and Content containing AE resource representation }	IUT ← AE
	then { the IUT does not create the AE resource and the IUT sends a valid Response containing Response Status Code set to 4105 (CONFLICT) }	IUT → AE

TP Id	TP/oneM2M/CSE/REG/CRE/024	
Test objective	Check that IUT sends a CSE registration request with attributes multiplicity equa	als to 1
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1, ETSI TS 118 104 [2], clause 7.4.5.2.2	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_MN_CSE or PICS_ASN_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having privileges to perform CREATE operation on the resource CSEBASE_RESOURCE_ADDRESS	
Expected behaviour	} Test events	Direction
	when { the IUT is triggered to send a valid CREATE Request containing To set to CSEBASE_RESOURCE_ADDRESS and Resource Type set to 16 (remoteCSE) and Content containing remoteCSE resource representation }	NA
	then { the IUT sends a valid CREATE Request containing To set to CSEBASE_RESOURCE_ADDRESS and From set to CSE_ID and Resource Type set to 16 (remoteCSE) and Content containing remoteCSE resource representation }	IUT → CSE

	T	
TP Id	TP/oneM2M/CSE/REG/CRE/025	
Test objective	Check that IUT accepts a CSE registration request with attributes multiplicity equals to 1	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1, ETSI TS 118 104 [2], clause 7.4.5.2.2	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having privileges to perform CREATE operation on the resource	
	CSEBASE_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request containing To set to CSEBASE_RESOURCE_ADDRESS and From set to CSE_ID and Resource Type set to 16 (remoteCSE) and Content containing remoteCSE resource representation }	IUT ← CSE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing remoteCSE resource representation and the IUT creates the <remotecse> resource }</remotecse>	IUT → CSE

TP Id	TP/oneM2M/CSE/REG/CRE/026	
Test objective	Check that IUT sends a CSE registration request with OPTIONAL_ATTRIBUTE	attribute
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1, ETSI TS 118 104 [2], clause 7.4.5.2.2	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_MN_CSE or PICS_ASN_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having privileges to perform CREATE operation on the resource CSEBASE_RESOURCE_ADDRESS }</pre>	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid CREATE Request containing To set to CSEBASE_RESOURCE_ADDRESS and Content containing remoteCSE resource containing cseType attribute set to 2 (MN_CSE) and valid attribute OPTIONAL_ATTRIBUTE }	NA
	then { the IUT sends a valid CREATE Request containing To set to CSEBASE_RESOURCE_ADDRESS and From set to CSE_ID and Resource Type set to 16 (remoteCSE) and Content containing remoteCSE resource containing cseType attribute set to 2 (MN_CSE) and valid attribute OPTIONAL_ATTRIBUTE }	IUT → CSE

TP ld	PICS Selection	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/CRE/026_RN	PICS_CSR_RN	ETSI TS 118 101 [1], table 9.6.4-2	resourceName
TP/oneM2M/CSE/REG/CRE/026_ET	PICS_CSR_ET	ETSI TS 118 101 [1], table 9.6.4-2	expirationTime
TP/oneM2M/CSE/REG/CRE/026_LBL	PICS_CSR_LBL	ETSI TS 118 101 [1], table 9.6.4-2	labels
TP/oneM2M/CSE/REG/CRE/026_POA	PICS_CSR_POA	ETSI TS 118 101 [1], table 9.6.4-2	pointOfAccess
TP/oneM2M/CSE/REG/CRE/026_NL	PICS_CSR_NL	ETSI TS 118 101 [1], table 9.6.4-2	nodeLink
TP/oneM2M/CSE/REG/CRE/026_CST	PICS_CSR_CST	ETSI TS 118 101 [1], table 9.6.4-2	cseType

TP Id	TP/oneM2M/CSE/REG/CRE/027	
Test objective	Check that IUT accepts a CSE registration request with cseType attribute set to	'MN_CSE'
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1, ETSI TS 118 104 [2], clause 7.4.5.2.2	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having privileges to perform CREATE operation on the resource	
	CSEBASE_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request containing	
	To set to CSEBASE_RESOURCE_ADDRESS and	
	From set to CSE_ID and	
	Resource Type set to 16 (remoteCSE) and	IUT ← CSE
	Content containing	
	remoteCSE resource containing	
	cseType attribute set to 2 (MN_CSE)	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	
	remoteCSE resource containing	IUT → CSE
	cseType attribute set to 2 (MN_CSE)	
	and the IUT creates a <remotecse> resource</remotecse>	
	}	

TP ld	TP/oneM2M/CSE/REG/CRE/028	
		TE attributa
Test objective	Check that IUT accepts a CSE registration request with OPTIONAL_ATTRIBUT	<i>I E</i> attribute
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.1, ETSI TS 118 104 [2], clause 7.4.5.2.2	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the CSE having privileges to perform CREATE operation on the resource	
	CSEBASE_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request containing	
	To set to CSEBASE_RESOURCE_ADDRESS and	
	From set to CSE_ID and	
	Resource Type set to 16 (remoteCSE) and	IUT ← CSE
	Content containing	101 X 00L
	remoteCSE resource containing	
	cseType attribute set to 2 (MN_CSE) and	
	valid attribute OPTIONAL_ATTRIBUTE	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	
	remoteCSE resource containing	IUT → CSE
	cseType attribute set to 2 (MN_CSE) and	101 7 635
	valid attribute OPTIONAL_ATTRIBUTE	
	and the IUT creates a <remotecse> resource</remotecse>	

TP ld	PICS Selection	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/CRE/028_LBL	PICS_CSR_LBL	ETSI TS 118 101 [1], table 9.6.4-2	labels
TP/oneM2M/CSE/REG/CRE/028_POA	PICS_CSR_POA	ETSI TS 118 101 [1], table 9.6.4-2	pointOfAccess
TP/oneM2M/CSE/REG/CRE/028_NL	PICS_CSR_NL	ETSI TS 118 101 [1], table 9.6.4-2	nodeLink

TP/oneM2M/CSE/REG/CRE/029

TP Id	TP/oneM2M/CSE/REG/CRE/029	
Test objective	Check that the IUT accepts an AE registration (preprovisioned S-AE-ID-STEM p	rovided by AE),
	communication between MN-CSE and IN-CSE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, step 5-8	
Config Id	CF04	
Parent Release	Release 2	
PICS Selection	PICS_IN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from the CSE containing	
	Resource Type set to 10002 (AEAnnc) and	
	From set to SP-RELATIVE-AE-ID and	
	Content containing	IUT← MN-CSE
	AEAnnc resource containing	
	link attribute set to SP-RELATIVE-AE-ID and	
	labels indicating 'Credential-ID:None'	
	}	
	then {	
	the IUT creates the AEANNC_RESOURCE_ADDRESS resource	
	and the IUT sends a valid Response to CSE containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	IUT → MN-CSE
	AEAnnc resource containing	
	link attribute set to SP-RELATIVE-AE-ID and	
	labels indicating 'Credential-ID:None'	
	}	
NOTE: SP-RELATIVE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM}		
S-AE-ID-STEM = Valid AE-ID-Stem starting with "S".		

TP/oneM2M/CSE/REG/CRE/030

TP Id	TP/oneM2M/CSE/REG/CRE/030	
Test objective	Check that the IUT accepts an AE re-registration (allowed M2M-SP-assigned AF	E-ID, S-AE-ID-
	STEM provided by AE), transfer response to the AE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case b, step 8	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having registered the MN-CSE and	
	the AE having sent a registration containing	
	From set to S-AE-ID-STEM and	
	the IUT having sent a valid AEAnnc CREATE Request to IN-CSE	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid Response from IN-CSE containing Response Status Code set to 2001 (CREATED) and Content containing AEAnnc resource containing link attribute set to SP-RELATIVE-AE-ID and labels attribute indicating 'Credential-ID:None' }	IUT ← IN-CSE
	then { the IUT sends a valid Response to the AE containing Response Status Code set to 2001 (CREATED) and Content containing AE resource containing AE-ID attribute set to S-AE-ID-STEM }	IUT → AE
	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM }.	
S-AE-ID-STEM = Value starting with "S" assigned by IN-CSE.		

TP/oneM2M/CSE/REG/CRE/031

TP ld	TP/oneM2M/CSE/REG/CRE/031	
Test objective	Check that the IUT accepts an AE registration (S-AE-ID-STEM not provided by	AE),
•	communication between MN-CSE and IN-CSE	,,
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2 case a, ETSI TS 118 104 [2], clause 7.4.5.2.1	
Config Id	CF04	
Parent Release	Release 2	
PICS Selection	PICS_IN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from MN-CSE containing	
	Resource Type set to 10002 (AEAnnc) and	
	From set to SP-RELATIVE-AE-ID and	
	Content containing	IUT ← MN-CSE
	AEAnnc resource containing	
	link attribute set to SP-RELATIVE-AE-ID and	
	labels indicating 'Credential-ID:None'	
	}	
	then {	
	the IUT creates the AEANNC_RESOURCE_ADDRESS resource	
	and the IUT sends a valid Response to CSE containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	IUT → MN-CSE
	AEAnnc resource containing	
	link attribute set to SP-RELATIVE-AE-ID* and	
	labels indicating 'Credential-ID:None'	
NOTE: SP-RELATI	} /F_AF_ID(CD_DELATIVE_CCE_ID)/(AF_ID_CTEM)	1
	VE-AE-ID = {SP-RELATIVE-CSE-ID}/{AE-ID-STEM} VE-AE-ID* = {SP-RELATIVE-CSE-ID}/{S-AE-ID-STEM}	
AE-ID-STEN		
	n = 3 EM = Valid AE-ID-Stem starting with "S".	
0-AL-10-01	LIM - Valid //L ID Oterii Statung With O.	

TP/oneM2M/CSE/REG/CRE/032

TP Id	TP/oneM2M/CSE/REG/CRE/032	
Test objective	Check that the IUT accepts a create request of <ae> resource with attributes m</ae>	ultiplicity equals
	to 1 with AE-ID-Stem being empty	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2, ETSI TS 118 104 [2], clause 7.4.5.2.1	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection		
Initial conditions	with {	
	the IUT being in the "initial state"	
	 }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing From set to empty and Resource Type set to 2(AE) and Content containing AE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing AE resource representation }	IUT → AE

7.2.2.2.3 DELETE Operation

TP/oneM2M/CSE/REG/DEL/001

TDII	TD/ MON/OOF/DEC/DEL/OOA	1
TP Id	TP/oneM2M/CSE/REG/DEL/001	
Test objective	Check that the IUT rejects the delete request of <csebase> resource.</csebase>	
Reference	ETSI TS 118 101 [1], clause 10.2.3.4 and clause 9.6.3, ETSI TS 118 104 [2], clause 7.4.3.2.4	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	tina the for having registered the AL	
Expected behaviour	Test events	Direction
-	when { the IUT receives a valid DELETE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED) }	IUT → AE

TP/oneM2M/CSE/REG/DEL/002

TP ld	TP/oneM2M/CSE/REG/DEL/002	
Test objective	Check that IUT accepts a <remotecse> delete request on</remotecse>	
	TARGET_REMOTE_CSE_ADDRESS, and deletes the <remotecse> resource</remotecse>	
Reference	ETSI TS 118 101 [1], clause 10.2.2.4 and clause 9.6.4, ETSI TS 118 104 [2], clause	se 7.4.4.2.1
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the CSE	
	and the CSE originator having privileges to perform DELETE operation on the	e remoteCSE
	resource	
	}	
Expected behaviour	Test events	Direction
•	when {	
	the IUT receives a valid DELETE Request from CSE containing	
	To set to REMOTECSE_RESOURCE_ADDRESS and	
	From set to CSE_ID and	IUT ← CSE
	no Content	
)	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2002 (DELETED)	IUT → CSE
	and the IUT deletes the remoteCSE resource	101 / OOL
	t and the ferrious of the ferr	
	l r	

TP/oneM2M/CSE/REG/DEL/003

TP Id	TP/oneM2M/CSE/REG/DEL/003	
Test objective		
	Check that the IUT accepts an AE de-registration.	
Reference	ETSI TS 118 101 [1], clause 10.1.4.2.2	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform DELETE operation on the resource	AE
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT deletes the AE_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) }	IUT → AE

TP/oneM2M/CSE/REG/DEL/004

	T	
TP ld	TP/oneM2M/CSE/REG/DEL/004	
Test objective	Check that IUT sends a <remotecse> delete request on</remotecse>	
	TARGET_REMOTE_CSE_ADDRESS	
Reference	ETSI TS 118 101 [1], clause 10.2.2.4, ETSI TS 118 104 [2], clause 7.4.5.2.5	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having created a resource TARGET_REMOTE_CSE_ADDRESS a	and
	the IUT having privileges to perform DELETE operation on the resource	
	TARGET REMOTE CSE ADDRESS	
	TARGET_REMOTE_CSE_ADDRESS }	
Expected behaviour	} Test events	Direction
Expected behaviour	}	Direction
Expected behaviour	Test events when {	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing	Direction NA
Expected behaviour	Test events when {	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS }	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS } then {	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS } then { the IUT sends a valid DELETE Request containing	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS } then { the IUT sends a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and	
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS } then { the IUT sends a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and From set to CSE_ID and	NA
Expected behaviour	Test events when { the IUT is triggered to send a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESSS } then { the IUT sends a valid DELETE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and	NA

TP/oneM2M/CSE/REG/DEL/005

TP Id	TP/oneM2M/CSE/REG/DEL/005	
Test objective	11 1 11 11 11 11 11 11 11 11 11 11 11 1	11
	Check that the IUT accepts an AE de-registration when AE-ID is starting with "S	
Reference	ETSI TS 118 101 [1], clause 10.1.4.2.2	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_IN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	From set to "S"	
	and the AE having privileges to perform DELETE operation on the resource	ΑF
	and the AE naving physiogen to pendim BELETE operation on the recourse	/\L
Expected behaviour	Test events	Direction
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content }	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content } then {	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT deletes the AE_RESOURCE_ADDRESS resource	IUT ← AE
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT deletes the AE_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT deletes the AE_RESOURCE_ADDRESS resource	IUT ← AE

TP/oneM2M/CSE/REG/DEL/006

TP Id	TP/oneM2M/CSE/REG/DEL/006	
Test objective	Check that the IUT accepts an AE de-registration when AE-ID is starting with "S"	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE containing From set to "S" and the AE having privileges to perform DELETE operation on the resource }</pre>	AE
Expected behaviour	Test events	Direction
	when { the IUT receives a valid DELETE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid UPDATE Request containing Content containing AEANNC_RESOURCE_ADDRESS resource containing link attribute set to "INACTIVE" }	IUT → IN-CSE

TP/oneM2M/CSE/REG/DEL/007

TP Id	TP/oneM2M/CSE/REG/DEL/007	
Test objective	Check that the IUT accepts the response from IN-CSE for the AE de-registration	when AE-ID is
-	starting with "S"	
Reference	ETSI TS 118 101 [1], clause 10.1.1.2.2	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	From set to "S"	
	and the AE having privileges to perform DELETE operation on the resource	
	and the AE having sent a valid DELETE Request at AE_RESOURCE_ADD	DRESS resource
	and the IUT having sent a valid UPDATE Request to IN-CSE containing	
	Content containing	
	AEANNC_RESOURCE_ADDRESS resource containing	
	link attribute set to empty	
	<u> </u>	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid Response from IN-CSE containing	IUT ← IN-CSE
	Response Status Code set to 2004 (UPDATED)	IOI CIN-CSE
)	
	then {	
	the IUT deletes the AE_RESOURCE_ADDRESS resource	
	and the IUT sends a valid Response containing	$IUT \rightarrow AE$
	Response Status Code set to 2002 (DELETED)	
	}	

7.2.2.2.4 UPDATE Operation

TP Id	TP/oneM2M/CSE/REG/UPD/001	
Test objective	Check that the IUT rejects the update request of <csebase> resource.</csebase>	
Reference	ETSI TS 118 101 [1], clause 10.2.3.3 and clause 9.6.3, ETSI TS 118 104 [2], clause 7.4.3.2.3	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE Request from AE containing To set to CSEBASE_RESOURCE_ADDRESS and From set to AE_ID and Content containing CSEBase resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED)	IUT → AE

TP ld	TP/oneM2M/CSE/REG/UPD/002	
Test objective	Check that IUT accepts a <remotecse> update request with OPTIONAL_ATTR</remotecse>	VIRLITE attribute
Reference	ETSI TS 118 101 [1], clause 10.2.2.3, ETSI TS 118 104 [2], clause 7.4.5.2.4	IDO I L attribute
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having created a resource TARGET_REMOTE_CSE_ADDRESS c	ontaining
	a RW OPTIONAL_ATTRIBUTE attribute set to VALUE_1 and	
	the CSE having privileges to perform UPDATE operation on the resource	
	TARGET_REMOTE_CSE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request containing	
	To set to TARGET_REMOTE_CSE_ADDRESS and	
	From set to CSE_ID and	IUT ← CSE
	Content containing	101 CSE
	remoteCSE resource containing	
	OPTIONAL_ATTRIBUTE attribute set to VALUE_2	
	then {	
1		
	the IUT sends a valid Response containing	
	the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and	IUT → CSE
	the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing	IUT → CSE
	the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and	IUT → CSE

TP Id	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/UPD/002_LBL	ETSI TS 118 101 [1], table 9.6.4-2	labels
TP/oneM2M/CSE/REG/UPD/002_POA	ETSI TS 118 101 [1], table 9.6.4-2	pointOfAccess
TP/oneM2M/CSE/REG/UPD/002_NL	ETSI TS 118 101 [1], table 9.6.4-2	nodeLink

TP Id	TP/oneM2M/CSE/REG/UPD/003	
Test objective	Check that IUT sends a <remotecse> update request with OPTIONAL_ATTRIE</remotecse>	BUTE attribute
Reference	ETSI TS 118 101 [1], clause 10.2.2.3, ETSI TS 118 104 [2], clause 7.4.5.2.4	
Config Id	CF04	
Parent Release	Release 1	
PICS Selection	PICS_MN_CSE	
Initial conditions	with {	
	the IUT being in the "initial state" and	
	the IUT having created a resource TARGET_REMOTE_CSE_ADDRE	SS containing
	a RW OPTIONAL_ATTRIBUTE attribute set to VALUE_1 and	
	the IUT having privileges to perform UPDATE operation on the resource	ce
	TARGET_REMOTE_CSE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT is triggered to send a valid UPDATE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and Content containing remoteCSE resource containing attribute OPTIONAL_ATTRIBUTE set to VALUE_2 }	NA
	then { the IUT sends a valid UPDATE Request containing To set to TARGET_REMOTE_CSE_ADDRESS and From set to CSE_ID and Content containing remoteCSE resource containing attribute OPTIONAL_ATTRIBUTE set to VALUE_2 }	IUT → CSE

TP ld	PICS Selection	Reference	OPTIONAL_ATTRIBUTE
TP/oneM2M/CSE/REG/UPD/003_ET	PICS_CSR_ET	ETSI TS 118 101 [1], table 9.6.4-2	expirationTime
TP/oneM2M/CSE/REG/UPD/003_LBL	PICS_CSR_LBL	ETSI TS 118 101 [1], table 9.6.4-2	labels
TP/oneM2M/CSE/REG/UPD/003_POA	PICS_CSR_POA	ETSI TS 118 101 [1], table 9.6.4-2	pointOfAccess
TP/oneM2M/CSE/REG/UPD/003_NL	PICS_CSR_NL	ETSI TS 118 101 [1], table 9.6.4-2	nodeLink
TP/oneM2M/CSE/REG/UPD/003_RR	PICS_CSR_RR	ETSI TS 118 101 [1], table 9.6.4-2	requestReachability

7.2.2.3 Data Management and Repository Function (DMR)

7.2.2.3.1 RETRIEVE Operation

TP Id	TP/oneM2M/CSE/DMR/RET/001	
Test objective	Check that the IUT returns successfully the TARGET_RESOURCE_ADDRESS	resource
Reference	ETSI TS 118 101 [1], clause 10.1.2	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the IUT having created a resource TARGET_RESOURCE_ADDRESS RESOURCE_TYPE under the AE resource and the AE having privileges to perform RETRIEVE operation on the resour TARGET_RESOURCE_ADDRESS }</pre>	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT → AE

TP Id	PARENT_RE	Reference	RESOURCE_TYPE
	LEASE		
TP/oneM2M/CSE/DMR/RET/001_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/001_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/001_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/001_CIN	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	4 (contentInstance)
TP/oneM2M/CSE/DMR/RET/001_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/001_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/001_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.3	15 (pollingChannel)
TP/oneM2M/CSE/DMR/RET/001_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id	TP/oneM2M/CSE/DMR/RET/002	
Test objective	Check that the IUT responds with an error when the AE tries to retrieve the reso	urce
	TARGET_RESOURCE_ADDRESS which does not exist	
Reference	ETSI TS 118 101 [1], clause 10.1.2 item 1)	
Config Id	CF01	
Parent Release	Release 1	
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 not yet created a resource TARGET_RESOURCE_AD	DRESS
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP Id	TP/oneM2M/CSE/DMR/RET/003	
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a resour	ce
1001 010,000.110	TARGET_RESOURCE_ADDRESS under AE without having privileges for the R	
	operation	
Reference	ETSI TS 118 101 [1], clause 10.1.2 item 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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the AE resource	
	and the AE having no privileges to perform RETRIEVE operation on the res	ource
	TARGET_RESOURCE_ADDRESS	
]	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	U.T. / A.F.
	From set to AE_ID and	IUT ← AE
	no Content	
	}	
	then {	
	the IUT sends a Response containing	\ A.E.
	Response Status Code set to 4103 (ACCESS_DENIED)	IUT → AE
	 }	

TP Id	PARENT_	Reference	RESOURCE_TYPE
	RELEASE		
TP/oneM2M/CSE/DMR/RET/003_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/003_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/003_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/003_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/003_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/003_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id	TP/oneM2M/CSE/DMR/RET/004	
Test objective	Check that the IUT returns successfully the ATTRIBUTE of TARGET_RESOUR	CE ADDRESS
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	resource ("To" option)	
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the AE resource	
	and the AE having privileges to perform RETRIEVE operation on the resour	ce
	TARGET_RESOURCE_ADDRESS	
Evenested behaviour	Test events	Direction
Expected behaviour	1333333111	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_ATTRIBUTE_ADDRESS and	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then {	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and	
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing	
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and no other attribute }	IUT → AE
	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT → AE
where '#' is	To set to TARGET_ATTRIBUTE_ADDRESS and From set to AE_ID and no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and no other attribute }	IUT → AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/004_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/004_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/004_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/004_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/004_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/004_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.3	15 (pollingChannel)
TP/oneM2M/CSE/DMR/RET/004_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id	TP/oneM2M/CSE/DMR/RET/005	
Test objective	Check that the IUT returns successfully the ATTRIBUTE of TARGET_RESOUR	CE ADDRESS
	resource ("Content" option)	
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the AE resource	
	and the AE having privileges to perform RETRIEVE operation on the resour	ce
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
Expedica beliavious	100000000	Direction
	when {	
	when { the IUT receives a valid RETRIEVE Request from AE containing	
	the IUT receives a valid RETRIEVE Request from AE containing	
	l •	W.T. 4. A.E.
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name }	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then {	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing	
NOTE: ATTRIBUTE	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and	IUT → AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/005_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/005_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/005_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/005_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/005_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/005_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.3	15 (pollingChannel)
TP/oneM2M/CSE/DMR/RET/005_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id TP/oneM2M/CSE/DMR/RET/006 Test objective Check that the IUT returns successfully multiple attributes of TARGET_RESOURCE_ADDRESS resource Reference ETSI TS 118 101 [1], clause 10.1.2 Config Id CF01			
TARGET_RESOURCE_ADDRESS resource Reference ETSI TS 118 101 [1], clause 10.1.2			
Reference ETSI TS 118 101 [1], clause 10.1.2			
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 created a resource TARGET_RESOURCE_ADDRESS of type			
RESOURCE_TYPE under the AE resource			
and the AE having privileges to perform RETRIEVE operation on the resource			
TARGET_RESOURCE_ADDRESS			
}			
Expected behaviour Test events Direction	1		
when {			
the IUT receives a valid RETRIEVE Request from AE containing			
To set to TARGET_RESOURCE_ADDRESS and			
From set to AE_ID and			
Content containing IUT ← A	<u> </u>		
attributeList element containin			
ATTRIBUTE_1 name and			
ATTRIBUTE_2 name			
then {			
the IUT sends a valid Response containing			
Response Status Code set to 2000 (OK) and			
Content containing			
RESOURCE TYPE resource containing IUT → A	<u> </u>		
valid ATTRIBUTE_1 attribute and			
valid ATTRIBUTE_2 attribute and			
no other attribute			
NOTE: ATTRIBUTE_1 indicates common attribute for all RESOURCE_TYPE resources listed in the table below.			
ATTRIBUTE_2 indicates common attribute for all RESOURCE_TYPE resources listed in the table below			

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/006_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/006_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/006_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/006_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/006_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/006_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.3	15 (pollingChannel)
TP/oneM2M/CSE/DMR/RET/006 TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id	TP/oneM2M/CSE/DMR/RET/007	
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a non-ex-	xisting attribute
_	of the TARGET_RESOURCE_ADDRESS resource ("single" attribute case)	
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the AE resource containing	
	no attribute ATTRIBUTE	
	and the AE having privileges to perform RETRIEVE operation on the resour	rce
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
•		
	when {	
	when { the IUT receives a valid RETRIEVE Request from AE containing	
	the IUT receives a valid RETRIEVE Request from AE containing	11 IT & AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name }	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then {	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then {	
NOTE: Johals attrib	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE
NOTE: labels attrib	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) } ute was chosen, since it is a common attribute for all types of resource. It can be	IUT → AE

TP Id	PARENT_	Reference	RESOURCE_TYPE	ATTRIBUTE
	RELEASE			
TP/oneM2M/CSE/DMR/RET/007_CNT/LBL	Release 1	ETSI TS 118 101 [1],	3 (container)	labels
		clause 10.2.4.2		
TP/oneM2M/CSE/DMR/RET/007_ACP/LBL	Release 1	ETSI TS 118 101 [1],	1 (accessControlPolicy)	labels
		clause 10.2.21.2		
TP/oneM2M/CSE/DMR/RET/007_SUB/LBL	Release 1	ETSI TS 118 101 [1],	23 (subscription)	labels
		clause 10.2.11.3		
TP/oneM2M/CSE/DMR/RET/007_GRP/LBL	Release 1	ETSI TS 118 101 [1],	9 (group)	labels
		clause 10.2.7.3		
TP/oneM2M/CSE/DMR/RET/007_SCH/LBL	Release 2	ETSI TS 118 101 [1],	18 (schedule)	labels
		clause 10.2.40.2		
TP/oneM2M/CSE/DMR/RET/007_PCH/LBL	Release 2	ETSI TS 118 101 [1],	15 (pollingChallenge)	labels
		clause 10.2.13.3		
TP/oneM2M/CSE/DMR/RET/007_TS/LBL	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)	labels
		clause 10.2.30.2		

TP Id	TP/oneM2M/CSE/DMR/RET/008	
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a non-e	victing attributes
lest objective	of the TARGET_RESOURCE_ADDRESS resource ("multiple" attributes case)	xisting attributes
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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	- f t
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS	or type
	RESOURCE_TYPE under the AE resource containing	
	no ATTRIBUTE_1 attribute and	
	no ATTRIBUTE_2 attribute	
	and the AE having privileges to perform RETRIEVE operation on the resou	rce
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
Expedica bellaviour	when {	Direction
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE ID and	
	Content containing	IUT ← AE
	attributeList element containing	IOI V AL
	ATTRIBUTE_1 name and	
	ATTRIBUTE_2 name	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
	then {	
		1
	•	
	the IUT sends a valid Response containing	IUT → AE
	•	IUT → AE

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE	ATTRI BUTE _1	ATTRIBU TE_2
TP/oneM2M/CSE/DMR/RET/008 _CNT/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)	labels	announce To
TP/oneM2M/CSE/DMR/RET/008 _SUB/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)	labels	announce To
TP/oneM2M/CSE/DMR/RET/008 _ACP/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)	labels	announce To
TP/oneM2M/CSE/DMR/RET/008 _GRP/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)	labels	announce To
TP/oneM2M/CSE/DMR/RET/008 _SCH/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels	announce To
TP/oneM2M/CSE/DMR/RET/008 _PCH/LBL/PI	Release 2	ETSI TS 118 101 [1], clause 10.2.13.3	15 (pollingChannel)	labels	parentID
TP/oneM2M/CSE/DMR/RET/008 TS/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)	labels	announce To

TP Id	TP/oneM2M/CSE/DMR/RET/009	
Test objective	Check that the IUT rejects the RETRIEVE Request of a latest resource target resource that has no direct child contentInstance resources.	et to a container
Reference	ETSI TS 118 101 [1], clause 10.2.22.1, ETSI TS 118 104 [2], clause 7.4.28.2.3	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing no direct child contentInstance resources }	
Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }</pre>	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/RET/010	
Test objective	Check that the IUT accepts the RETRIEVE Request of the oldest contentInstacontainer> resource	ance target to a
Reference	ETSI TS 118 101 [1], clause 10.2.23.1, ETSI TS 118 104 [2], clause 7.4.29.2.3	
Config Id	CF01	
Parent Release	Release 1	
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 created a container resource containing CONTENT_INSTANCE_1 contentInstance resource and CONTENT_INSTANCE_2 contentInstance resource and the AE having privileges to perform RETRIEVE operation on the container and creationTime attribute of CONTENT_INSTANCE_1 < creationTime attribute CONTENT_INSTANCE_2	e of
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/ol and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing contentInstance resource containing resourceName attribute set to CONTENT_INSTANCE_1 }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/RET/011	
Test objective	Check that the IUT rejects the RETRIEVE Request of an oldest resource targ resource that has no direct child contentInstance resources.	et to a container
Reference	ETSI TS 118 101 [1], clause 10.2.23.1, ETSI TS 118 104 [2], clause 7.4.29.2.3	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing no direct child contentInstance resources }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/ol and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/RET/012		
Test objective	Check that the IUT accepts the RETRIEVE Request of the latest contentInstance target to a		
rest objective	<container> resource</container>		
Reference	ETSI TS 118 101 [1], clause 10.2.22.1, ETSI TS 118 104 [2], clause 7.4.28.2.3		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing and the IUT having created a container resource containing CONTENT_INSTANCE_1 contentInstance resource and CONTENT_INSTANCE_2 contentInstance resource and the AE having privileges to perform RETRIEVE operation on the contain and creationTime attribute of CONTENT_INSTANCE_1 < creationTime attribute CONTENT_INSTANCE_2 }		
	Test events	Direction	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/la and From set to AE_ID and no Content }	IUT ← AE	
Expected behaviour	then { the IUT sends a Response containing Response Status Code set to 2000 (OK) and Content containing contentInstance resource containing resourceName attribute set to CONTENT_INSTANCE_2 }	IUT → AE	

TDII	TD/ MOM/OOF/DMD/DET/040	
TP Id	TP/oneM2M/CSE/DMR/RET/013	
Test objective	Check that the IUT returns successfully the TARGET_RESOURCE_ADDRESS	resource under
	CSEBase	
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the CSEBase resource	71
	and the AE having privileges to perform RETRIEVE operation on the resour	.ce
	TARGET_RESOURCE_ADDRESS	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	From set to AE ID	IOI \ AL
	rioni set to AE_iD	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2000 (OK) and	IUT → AE
	Content containing	
	RESOURCE_TYPE resource representation	
)	

TP Id	PARENT_	Reference	RESOURCE TYPE
	RELEASE		_
TP/oneM2M/CSE/DMR/RET/013_ACP	Release 1	ETSI TS 118 101 [1],	1 (accessControlPolicy)
		clause 10.2.21.2	
TP/oneM2M/CSE/DMR/RET/013_AE	Release 1	ETSI TS 118 101 [1],	2 (AE)
		clause 10.2.1.2	
TP/oneM2M/CSE/DMR/RET/013_CNT	Release 1	ETSI TS 118 101 [1],	3 (container)
		clause 10.2.4.2	
TP/oneM2M/CSE/DMR/RET/013_CSR	Release 1	ETSI TS 118 101 [1],	16 (remoteCSE)
		clause 10.2.2.2	
TP/oneM2M/CSE/DMR/RET/013_SUB	Release 1	ETSI TS 118 101 [1],	23 (subscription)
		clause 10.2.11.3	
TP/oneM2M/CSE/DMR/RET/013_GRP	Release 1	ETSI TS 118 101 [1],	9 (group)
		clause 10.2.7.3	
TP/oneM2M/CSE/DMR/RET/013_DLV	Release 2	ETSI TS 118 101 [1],	6 (delivery)
		clause 10.2.5.3	
TP/oneM2M/CSE/DMR/RET/013_LCP	Release 2	ETSI TS 118 101 [1],	10 (locationPolicy)
		clause 10.2.10.1.2	
TP/oneM2M/CSE/DMR/RET/013_MGC	Release 2	ETSI TS 118 101 [1],	12 (mgmtCmd)
		clause 10.2.8.3	
TP/oneM2M/CSE/DMR/RET/013_NOD	Release 2	ETSI TS 118 101 [1],	14 (node)
		clause 10.2.14.2	
TP/oneM2M/CSE/DMR/RET/013_REQ	Release 2	ETSI TS 118 101 [1],	17 (request)
		clause 10.2.20.2	
TP/oneM2M/CSE/DMR/RET/013_SCH	Release 2	ETSI TS 118 101 [1],	18 (schedule)
		clause 10.2.40.2	
TP/oneM2M/CSE/DMR/RET/013_STCL	Release 2	ETSI TS 118 101 [1],	21 (statsCollect)
		clause 10.2.15.11	
TP/oneM2M/CSE/DMR/RET/013_STCG	Release 2	ETSI TS 118 101 [1],	22 (statsConfig)
		clause 10.2.15.3	
TP/oneM2M/CSE/DMR/RET/013_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.2	

TP ld	TP/oneM2M/CSE/DMR/RET/014			
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a resour			
	TARGET_RESOURCE_ADDRESS under CSEBase without having privileges for	or the		
	RETRIEVE operation			
Reference	ETSI TS 118 101 [1], clause 10.1.2 item 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 created a resource TARGET_RESOURCE_ADDRESS of type			
	RESOURCE_TYPE under the CSEBase resource			
	and the AE having no privileges to perform RETRIEVE operation on the resource			
	TARGET_RESOURCE_ADDRESS			
	}			
Expected behaviour	Test events	Direction		
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE		
	then {			
	the IUT sends a Response containing Response Status Code set to 4103 (ACCESS_DENIED) }	IUT → AE		

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/014_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/014_AE	Release 1	ETSI TS 118 101 [1], clause 10.2.1.2	2 (AE)
TP/oneM2M/CSE/DMR/RET/014_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/014_CSR	Release 1	ETSI TS 118 101 [1], clause 10.2.2.2	16 (remoteCSE)
TP/oneM2M/CSE/DMR/RET/014_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/014_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/014_DLV	Release 2	ETSI TS 118 101 [1], clause 10.2.5.3	6 (delivery)
TP/oneM2M/CSE/DMR/RET/014_LCP	Release 2	ETSI TS 118 101 [1], clause 10.2.10.1.2	10 (locationPolicy)
TP/oneM2M/CSE/DMR/RET/014_MGC	Release 2	ETSI TS 118 101 [1], clause 10.2.8.3	12 (mgmtCmd)
TP/oneM2M/CSE/DMR/RET/014_NOD	Release 2	ETSI TS 118 101 [1], clause 10.2.14.2	14 (node)
TP/oneM2M/CSE/DMR/RET/014_REQ	Release 2	ETSI TS 118 101 [1], clause 10.2.20.2	17 (request)
TP/oneM2M/CSE/DMR/RET/014_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/014_STCL	Release 2	ETSI TS 118 101 [1], clause 10.2.15.11	21 (statsCollect)
TP/oneM2M/CSE/DMR/RET/014_STCG	Release 2	ETSI TS 118 101 [1], clause 10.2.15.3	22 (statsConfig)
TP/oneM2M/CSE/DMR/RET/014_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP Id	TP/oneM2M/CSE/DMR/RET/015			
Test objective	Check that the IUT returns successfully the ATTRIBUTE of TARGET_RESOURCE.	CE ADDRESS		
	resource ("To" option) under CSEBase	_		
Reference	ETSI TS 118 101 [1], clause 10.1.2			
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 created a resource TARGET_RESOURCE_ADDRESS	of type		
	RESOURCE_TYPE under the CSEBase resource			
	and the AE having privileges to perform RETRIEVE operation on the resour	ce		
	TARGET_RESOURCE_ADDRESS			
Formanta dibahasi asa	Tool counts	Dissettes		
Expected behaviour	Test events	Direction		
	when {			
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_ATTRIBUTE_ADDRESS and			
	From set to AE_ID and	$IUT \leftarrow AE$		
	no Content			
	3			
	then {			
	the IUT sends a valid Response containing			
	Response Status Code set to 2000 (OK) and			
	Content containing	\ A.E.		
	RESOURCE_TYPE resource containing	$IUT \rightarrow AE$		
	valid ATTRIBUTE attribute and			
	no other attribute			
	}			
NOTE: TARGET_ATTRIBUTE_ADDRESS is represented as TARGET_RESOURCE_ADDRESS # ATTRIBUTE.				
	indicates common attribute for all RESOURCE_TYPE resources listed in the tab			

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/015_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/015_AE	Release 1	ETSI TS 118 101 [1], clause 10.2.1.2	2 (AE)
TP/oneM2M/CSE/DMR/RET/015_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/015_CSR	Release 1	ETSI TS 118 101 [1], clause 10.2.2.2	16 (remoteCSE)
TP/oneM2M/CSE/DMR/RET/015_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/015_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/015_DLV	Release 2	ETSI TS 118 101 [1], clause 10.2.5.3	6 (delivery)
TP/oneM2M/CSE/DMR/RET/015_LCP	Release 2	ETSI TS 118 101 [1], clause 10.2.10.1.2	10 (locationPolicy)
TP/oneM2M/CSE/DMR/RET/015_MGC	Release 2	ETSI TS 118 101 [1], clause 10.2.8.3	12 (mgmtCmd)
TP/oneM2M/CSE/DMR/RET/015_NOD	Release 2	ETSI TS 118 101 [1], clause 10.2.14.2	14 (node)
TP/oneM2M/CSE/DMR/RET/015_REQ	Release 2	ETSI TS 118 101 [1], clause 10.2.20.2	17 (request)
TP/oneM2M/CSE/DMR/RET/015_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/015_STCL	Release 2	ETSI TS 118 101 [1], clause 10.2.15.11	21 (statsCollect)
TP/oneM2M/CSE/DMR/RET/015_STCG	Release 2	ETSI TS 118 101 [1], clause 10.2.15.3	22 (statsConfig)

TP/oneM2M/CSE/DMR/RET/015_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.2	

TDII	TD/ MONAGOS/DMD/DST/040	
TP Id	TP/oneM2M/CSE/DMR/RET/016	
Test objective	Check that the IUT returns successfully the ATTRIBUTE of TARGET_RESOUR	CE_ADDRESS
	resource ("Content" option) under CSEBase	
Reference	ETSI TS 118 101 [1], clause 10.1.2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the CSEBase resource	
	and the AE having privileges to perform RETRIEVE operation on the resour	rce
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
		IUT ← AE
	From set to AE_ID and	IUT ← AE
	From set to AE_ID and Content containing	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name }	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then {	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing	
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing	
	From set to AE_ID and Content containing attributeList element containing ATTRIBUTE name } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute and	

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/016_ACP	Release 1	ETSI TS 118 101 [1],	1 (accessControlPolicy)
		clause 10.2.21.2	
TP/oneM2M/CSE/DMR/RET/016_AE	Release 1	ETSI TS 118 101 [1],	2 (AE)
		clause 10.2.1.2	
TP/oneM2M/CSE/DMR/RET/016_CNT	Release 1	ETSI TS 118 101 [1],	3 (container)
		clause 10.2.4.2	
TP/oneM2M/CSE/DMR/RET/016_CSR	Release 1	ETSI TS 118 101 [1],	16 (remoteCSE)
		clause 10.2.2.2	
TP/oneM2M/CSE/DMR/RET/016_SUB	Release 1	ETSI TS 118 101 [1],	23 (subscription)
		clause 10.2.11.3	
TP/oneM2M/CSE/DMR/RET/016_GRP	Release 1	ETSI TS 118 101 [1],	9 (group)
		clause 10.2.7.3	
TP/oneM2M/CSE/DMR/RET/016_DLV	Release 2	ETSI TS 118 101 [1],	6 (delivery)
		clause 10.2.5.3	
TP/oneM2M/CSE/DMR/RET/016_LCP	Release 2	ETSI TS 118 101 [1],	10 (locationPolicy)
		clause 10.2.10.1.2	
TP/oneM2M/CSE/DMR/RET/016_MGC	Release 2	ETSI TS 118 101 [1],	12 (mgmtCmd)
		clause 10.2.8.3	
TP/oneM2M/CSE/DMR/RET/016_NOD	Release 2	ETSI TS 118 101 [1],	14 (node)
		clause 10.2.14.2	
TP/oneM2M/CSE/DMR/RET/016_REQ	Release 2	ETSI TS 118 101 [1],	17 (request)
		clause 10.2.20.2	
TP/oneM2M/CSE/DMR/RET/016_SCH	Release 2	ETSI TS 118 101 [1],	18 (schedule)
		clause 10.2.40.2	

TP/oneM2M/CSE/DMR/RET/016_STCL	Release 2	ETSI TS 118 101 [1],	21 (statsCollect)
		clause 10.2.15.11	
TP/oneM2M/CSE/DMR/RET/016_STCG	Release 2	ETSI TS 118 101 [1],	22 (statsConfig)
		clause 10.2.15.3	
TP/oneM2M/CSE/DMR/RET/016_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.2	

TP Id	TP/oneM2M/CSE/DMR/RET/017			
	Check that the IUT returns successfully multiple attributes of			
Test objective				
Deference	TARGET_RESOURCE_ADDRESS resource under CSEBase			
Reference	ETSI TS 118 101 [1], clause 10.1.2			
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 created a resource TARGET_RESOURCE_ADDRESS	of type		
	RESOURCE_TYPE under the CSEBase resource			
	and the AE having privileges to perform RETRIEVE operation on the resour	ce		
	TARGET_RESOURCE_ADDRESS			
	}			
Expected behaviour	Test events	Direction		
	when {			
	the IUT receives a valid RETRIEVE Request from AE containing			
	To set to TARGET_RESOURCE_ADDRESS and			
	From set to AE_ID and			
	Content containing IUT ← AE			
	attributeList element containing			
	ATTRIBUTE_1 name			
	and ATTRIBUTE_2 name			
	-			
	then {			
	the IUT sends a valid Response containing			
	Response Status Code set to 2000 (OK) and			
	Content containing			
	RESOURCE_TYPE resource containing	IUT → AE		
	valid ATTRIBUTE_1 attribute and	.0. //		
	valid ATTRIBUTE_2 attribute and			
	no other attribute			
	}			
NOTE: ATTRIBUTE	1 indicates common attribute for all RESOURCE_TYPE resources listed in the	table below.		
_	E_2 indicates common attribute for all RESOURCE_TYPE resources listed in the			
	= maioatos common attributo for an ALOGO AGE_7 // E 1000a1000 hotea in the	COLUMN.		

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/017_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/RET/017_AE	Release 1	ETSI TS 118 101 [1], clause 10.2.1.2	2 (AE)
TP/oneM2M/CSE/DMR/RET/017_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)
TP/oneM2M/CSE/DMR/RET/017_CSR	Release 1	ETSI TS 118 101 [1], clause 10.2.2.2	16 (remoteCSE)
TP/oneM2M/CSE/DMR/RET/017_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)
TP/oneM2M/CSE/DMR/RET/017_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)
TP/oneM2M/CSE/DMR/RET/017_DLV	Release 2	ETSI TS 118 101 [1], clause 10.2.5.3	6 (delivery)
TP/oneM2M/CSE/DMR/RET/017_LCP	Release 2	ETSI TS 118 101 [1], clause 10.2.10.1.2	10 (locationPolicy)

TP/oneM2M/CSE/DMR/RET/017_MGC	Release 2	ETSI TS 118 101 [1], clause 10.2.8.3	12 (mgmtCmd)
TP/oneM2M/CSE/DMR/RET/017_NOD	Release 2	ETSI TS 118 101 [1], clause 10.2.14.2	14 (node)
TP/oneM2M/CSE/DMR/RET/017_REQ	Release 2	ETSI TS 118 101 [1], clause 10.2.20.2	17 (request)
TP/oneM2M/CSE/DMR/RET/017_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/RET/017_STCL	Release 2	ETSI TS 118 101 [1], clause 10.2.15.11	21 (statsCollect)
TP/oneM2M/CSE/DMR/RET/017_STCG	Release 2	ETSI TS 118 101 [1], clause 10.2.15.3	22 (statsConfig)
TP/oneM2M/CSE/DMR/RET/017_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)

TP ld	TP/oneM2M/CSE/DMR/RET/018			
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a non-ex			
	of the TARGET_RESOURCE_ADDRESS resource ("single" attribute case) under	er CSEBase		
Reference	ETSI TS 118 101 [1], clause 10.1.2			
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 created a resource TARGET_RESOURCE_ADDRESS	of type		
	RESOURCE_TYPE under the CSEBase resource containing	·		
	no attribute <i>ATTRIBUTE</i>			
	and the AE having privileges to perform RETRIEVE operation on the resource			
	TARGET_RESOURCE_ADDRESS			
	}			
Expected behaviour	Test events	Direction		
	when {			
	the IUT receives a valid RETRIEVE Request from AE containing			
	To set to TARGET_RESOURCE_ADDRESS and			
	From set to AE_ID and	IUT ← AF		
	Content containing	IOI V AL		
	attributeList element containing			
	ATTRIBUTE name			
	}			
	then {			
	the IUT sends a valid Response containing	IUT → AF		
	Response Status Code set to 4004 (NOT_FOUND)	IUI 7 AE		
	}			

TP Id	PARENT_	Reference	RESOURCE_TYPE	ATTRI
	RELEASE			BUTE
TP/oneM2M/CSE/DMR/RET/018_ACP/LBL	Release 1	ETSI TS 118 101 [1],	1 (accessControlPolicy)	labels
		clause 10.2.21.2		
TP/oneM2M/CSE/DMR/RET/018_AE/LBL	Release 1	ETSI TS 118 101 [1],	2 (AE)	labels
		clause 10.2.1.2		
TP/oneM2M/CSE/DMR/RET/018_CNT/LBL	Release 1	ETSI TS 118 101 [1],	3 (container)	labels
		clause 10.2.4.2		
TP/oneM2M/CSE/DMR/RET/018_CSR/LBL	Release 1	ETSI TS 118 101 [1],	16 (remoteCSE)	labels
		clause 10.2.2.2		
TP/oneM2M/CSE/DMR/RET/018_SUB/LBL	Release 1	ETSI TS 118 101 [1],	23 (subscription)	labels
		clause 10.2.11.3		
TP/oneM2M/CSE/DMR/RET/018_GRP/LBL	Release 1	ETSI TS 118 101 [1],	9 (group)	labels
		clause 10.2.7.3		
TP/oneM2M/CSE/DMR/RET/018_DLV/LBL	Release 2	ETSI TS 118 101 [1],	6 (delivery)	labels
		clause 10.2.5.3		
TP/oneM2M/CSE/DMR/RET/018_LCP/LBL	Release 2	ETSI TS 118 101 [1],	10 (locationPolicy)	labels
		clause 10.2.10.1.2		

TP/oneM2M/CSE/DMR/RET/018_MGC/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.8.3	12 (mgmtCmd)	labels
TP/oneM2M/CSE/DMR/RET/018_NOD/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.14.2	14 (node)	labels
TP/oneM2M/CSE/DMR/RET/018_REQ/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.20.2	17 (request)	labels
TP/oneM2M/CSE/DMR/RET/018_SCH/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels
TP/oneM2M/CSE/DMR/RET/018_STCL/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.15.11	21 (statsCollect)	labels
TP/oneM2M/CSE/DMR/RET/018_STCG/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.15.3	22 (statsConfig)	labels
TP/oneM2M/CSE/DMR/RET/018_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)	labels

TP Id	TP/oneM2M/CSE/DMR/RET/019		
Test objective	Check that the IUT responds with an error when the AE tries to retrieve a non-ex	isting attribute of	
	the TARGET_RESOURCE_ADDRESS resource ("multiple" attributes case) under	er CSEBase	
Reference	ETSI TS 118 101 [1], clause 10.1.2		
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 created a resource TARGET_RESOURCE_ADDRESS	of type	
	RESOURCE_TYPE under the <csebase> resource containing</csebase>		
	no ATTRIBUTE_1 attribute and		
	no ATTRIBUTE_2 attribute		
	and the AE having privileges to perform RETRIEVE operation on the resource	and the AE having privileges to perform RETRIEVE operation on the resource	
	TARGET_RESOURCE_ADDRESS	• • • • • • • • • • • • • • • • • • • •	
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid RETRIEVE Request from AE containing		
	To set to TARGET_RESOURCE_ADDRESS and		
	From set to AE_ID and		
	Content containing	IUT ← AE	
	attributeList element containing		
	ATTRIBUTE_1 name		
	and ATTRIBUTE_2 name		
	}		
	then {		
	the IUT sends a valid Response containing	IUT → AE	
	Response Status Code set to 4004 (NOT_FOUND)	.51 / //.	
	 }		

TP Id	PARENT_ RELEASE	Reference	RESOURCE_ TYPE	ATTRI BUTE _1	ATTRIBUTE_ 2
TP/oneM2M/CSE/DMR/RET/019_ACP/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.21.2	1 (accessContro IPolicy)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_AE/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.1.2	2 (AE)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_CNT/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.2	3 (container)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_CSR/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.2.2	16 (remoteCSE)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_SUB/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.11.3	23 (subscription)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_GRP/LBL/AT	Release 1	ETSI TS 118 101 [1], clause 10.2.7.3	9 (group)	labels	announceTo

TP/oneM2M/CSE/DMR/RET/019_DLV/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.5.3	6 (delivery)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_LCP/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.10.1.2	10 (locationPolicy	labels	announceTo
TD/MON/OOF/DMD/DET/040, MOO// DL/AT	D-10)	1-11-	
TP/oneM2M/CSE/DMR/RET/019_MGC/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.8.3	(mgmtCmd)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_NOD/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.14.2	14 (node)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_REQ/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.20.2	17 (request)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_SCH/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_STCL/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.15.11	21 (statsCollect)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_STCG/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.15.3	22 (statsConfig)	labels	announceTo
TP/oneM2M/CSE/DMR/RET/019_TS/LBL/AT	Release 2	ETSI TS 118 101 [1], clause 10.2.30.2	29 (timeSeries)	labels	announceTo

TP Id	TP/oneM2M/CSE/DMR/RET/020		
Test objective	Check that the IUT rejects a RETRIEVE Request target to TARGET_RESOURCE.	CE_ADDRESS	
	resource when the Result Content set to RESULT_CONTENT		
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 7.3.2.1		
Config Id	CF01		
Parent Release	Release 2		
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 created a resource TARGET_RESOURCE_ADDRESS	of type	
	RESOURCE_TYPE		
	and the AE having privileges to perform RETRIEVE operation on the resour	rce	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	} Test events	Direction	
Expected behaviour	} Test events when {	Direction	
Expected behaviour	10010100	Direction	
Expected behaviour	when {	Direction	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	Direction IUT ← AE	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to RESULT_CONTENT }		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to RESULT_CONTENT } then { the IUT sends a valid Response containing		
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to RESULT_CONTENT } then {	IUT ← AE	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to RESULT_CONTENT } then { the IUT sends a valid Response containing Response Status Code set to 4000 (BAD_REQUEST) and	IUT ← AE	

TP ld	Reference	RESULT_CONTENT
TP/oneM2M/CSE/DMR/RET/020_RCN/0		0 (Nothing)
TP/oneM2M/CSE/DMR/RET/020_RCN/2	ETSI TS 118 104 [2],	2 (hierarchical address)
TP/oneM2M/CSE/DMR/RET/020_RCN/3	clause 6.3.4.2.7	3 (attributes and hierarchichal address)
TP/oneM2M/CSE/DMR/RET/020 RCN/9		9 (modified attributes)

TP Id	TP/oneM2M/CSE/DMR/RET/021			
Test objective	Check that the IUT returns successfully only attributes of TARGET_RESOUR	CE ADDRESS		
lest objective	resource when the Result Content is set to 1 (attributes)	CC_ADDICESS		
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7			
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 created a resource TARGET_RESOURCE_ADDRES	SS of type		
	RESOURCE_TYPE containing			
	a child resource			
	and the AE having privileges to perform RETRIEVE operation on the resource			
	TARGET_RESOURCE_ADDRESS	TARGET_RESOURCE_ADDRESS		
	}	T = -		
Expected behaviour	Test events	Direction		
	when {			
	the IUT receives a valid RETRIEVE Request from AE containing			
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	IIIT (AF		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) }	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then {	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing			
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE		
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing			
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and			
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 1 (attributes) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and			

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/021_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/RET/021_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/RET/021_ACP	Release 2	1 (accessControlPolicy)

TP ld	TP/oneM2M/CSE/DMR/RET/022		
Test objective			
rest objective	Check that the IUT returns successfully only attributes and child resources of	1 (attributes and	
	TARGET_RESOURCE_ADDRESS resource when the Result Content is set to 4	4 (altributes and	
Defenses	child resources)		
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7		
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 created a resource TARGET_RESOURCE_ADDRESS	of type	
	RESOURCE_TYPE containing		
	a child resource		
	and the AE having privileges to perform RETRIEVE operation on the resour	ce	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid RETRIEVE Request from AE containing		
	the for receives a valid KETKIEVE Request from AE containing		
	To set to TARGET_RESOURCE_ADDRESS and		
		IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) } then {	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) } then { the IUT sends a valid Response containing	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing		
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing		
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and		
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and		
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 4 (attributes and child resources) then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and child resources and		

TP Id	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/022_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/RET/022_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/RET/022_ACP	Release 2	1 (accessControlPolicy)

TDU	TD/ MOM/OOF/DMD/DET/000	
TP Id	TP/oneM2M/CSE/DMR/RET/023	
Test objective	Check that the IUT returns successfully only attributes and child resource refere	
	TARGET_RESOURCE_ADDRESS resource when the Result Content is set to	5 (attributes and
	child resource references)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a child resource	
	and the AE having privileges to perform RETRIEVE operation on the resour	ce
	TARGET_RESOURCE_ADDRESS	
	<u> </u>	
Expected behaviour	Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	10010100	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then {	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 5 (attributes and child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and no child resources and	IUT ← AE

TP Id	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/023_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/RET/023_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/RET/023_ACP	Release 2	1 (accessControlPolicy)

TP Id	TP/oneM2M/CSE/DMR/RET/024				
Test objective	Check that the IUT returns successfully only child resource references of				
lest objective	TARGET_RESOURCE_ADDRESS resource when Result Content is set to 6 (cl	hild recourse			
	references)				
Reference					
	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7				
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 created a resource TARGET_RESOURCE_ADDRESS	of type			
	RESOURCE_TYPE containing				
	a child resource				
	and the AE having privileges to perform RETRIEVE operation on the resour	ce			
	TARGET_RESOURCE ADDRESS				
	TANGET_NEGOCINGE_ADDINEGG				
	}				
Expected behaviour	TAKGET_KESOURCE_ADDIKEGS } Test events	Direction			
Expected behaviour	}	Direction			
Expected behaviour	} Test events	Direction			
Expected behaviour	} Test events when {	Direction			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing	Direction IUT ← AE			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) }				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) } then {				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 6 (child resource references) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE			

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/024_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/RET/024_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/RET/024_ACP	Release 2	1 (accessControlPolicy)

TP Id	TP/oneM2M/CSE/DMR/RET/025				
Test objective	Check that the IUT returns successfully only child resources of				
	TARGET_RESOURCE_ADDRESS resource when Result Content is set to 8 (cl	hild resources)			
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7				
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 created a resource TARGET_RESOURCE_ADDRESS	of type			
	RESOURCE_TYPE containing				
	a child resource				
	and the AE having privileges to perform RETRIEVE operation on the resour	ce			
	TARGET_RESOURCE_ADDRESS				
	TARGET_RESOURCE_ADDRESS				
	TARGET_RESOURCE_ADDRESS }				
Expected behaviour	TARGET_RESOURCE_ADDRESS } Test events	Direction			
Expected behaviour	}	Direction			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing	Direction			
Expected behaviour	Test events when {	Direction			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing	Direction IUT ← AE			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) }				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) } then {				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) } then { the IUT sends a valid Response containing				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) } then {	IUT ← AE			
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) } then { the IUT sends a valid Response containing				
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content and Result Content set to 8 (child resources) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE			

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/RET/025_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/RET/025_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/RET/025_ACP	Release 2	1 (accessControlPolicy)

7.2.2.3.2 UPDATE Operation

TP Id	TP/oneM2M/CSE/DMR/UPD/001	
Test objective	Check that the IUT updates successfully the value of the attribute <i>ATTRIBUTE</i>	NAME of the
rest objective	TARGET_RESOURCE_ADDRESS resource	NAME OF THE
Reference		
	ETSI TS 118 101 [1], clause 10.1.3	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a RW ATTRIBUTE_NAME attribute set to VALUE_1	
	and the AE having privileges to perform UPDATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
Expected benaviour	when {	Direction
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	Direction IUT ← AE
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME attribute set to VALUE_2 }	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
Expected benaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE	ATTRIBUTE_ NAME
TP/oneM2M/CSE/DMR/UPD/001_CNT/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	labels
TP/oneM2M/CSE/DMR/UPD/001_ACP/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessControlPolicy)	labels
TP/oneM2M/CSE/DMR/UPD/001_SUB/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscription)	labels
TP/oneM2M/CSE/DMR/UPD/001_GRP/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	labels
TP/oneM2M/CSE/DMR/UPD/001_SCH/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels
TP/oneM2M/CSE/DMR/UPD/001_PCH/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollingChannel)	labels
TP/oneM2M/CSE/DMR/UPD/001_TS/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.13.4	29 (timeSeries)	labels

TP ld	TP/oneM2M/CSE/DMR/UPD/002	
Test objective	Check that the IUT adds successfully the attribute ATTRIBUTE_NAME to the	
	TARGET_RESOURCE_ADDRESS resource	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	no optional RW <i>ATTRIBUTE_NAME</i> attribute	
	and the AE having privileges to perform UPDATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	}	.
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_ID and	$IUT \leftarrow AE$
	Content containing RESOURCE TYPE resource containing	
	ATTRIBUTE_NAME attribute set to VALUE_1	
	ATTAIDOTE_IVAIME attribute set to VALUE_I	
	then {	
	the IUT updates the TARGET_RESOURCE_ADDRESS resource	
	and the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED) and	
	Content containing	$IUT \rightarrow AE$
	RESOURCE_TYPE resource containing	
	ATTRIBUTE NAME attribute set to VALUE 1	
	ATTRIBUTE_NAME attribute set to VALUE_1 }	

TP ld	PARENT_ RELEASE	PICS Selection	Reference	RESOURCE_T YPE	ATTRIB UTE_NA ME
TP/oneM2M/CSE/DMR/UPD/002_CNT/LBL	Release 1	PICS_CNT_LBL	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	labels
TP/oneM2M/CSE/DMR/UPD/002_ACP/LBL	Release 1	PICS_ACP_LBL	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessControl Policy)	labels
TP/oneM2M/CSE/DMR/UPD/002_SUB/LBL	Release 1	PICS_SUB_LBL	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscription)	labels
TP/oneM2M/CSE/DMR/UPD/002_GRP/LBL	Release 1	PICS_GRP_LBL	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	labels
TP/oneM2M/CSE/DMR/UPD/002_SCH/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels
TP/oneM2M/CSE/DMR/UPD/002_PCH/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollingChannel	labels
TP/oneM2M/CSE/DMR/UPD/002_TS/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.30.3	29 (timeSeries)	labels

TP Id	TP/oneM2M/CSE/DMR/UPD/003	
Test objective	Check that the IUT deletes successfully the attribute ATTRIBUTE_NAME from t	ho
rest objective	TARGET_RESOURCE_ADDRESS resource	i i c
Reference	ETSI TS 118 101 [1], clause 10.1.3	
Config Id	CF01	
Parent Release	PARENT_RELEASE	
PICS Selection	PICS CSE	
Initial conditions	_	
initial conditions	with { the ULT being in the "initial state"	
	the IUT being in the "initial state" and the IUT having registered the AE	
	and the IUT having registered the AL and the IUT having created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	or type
	an optional RW ATTRIBUTE_NAME attribute	
	and the AE having privileges to perform UPDATE operation on the resource	1
	TARGET_RESOURCE_ADDRESS	•
	}	
	,	
Expected behaviour	Test events	Direction
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE

TP Id	PARENT_ RELEASE	PICS Selection	Reference	RESOURC E_TYPE	ATTRIBUT E_NAME
TP/oneM2M/CSE/DMR/UPD/003_CNT/LBL	Release 1	PICS_CNT_LBL	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	labels
TP/oneM2M/CSE/DMR/UPD/003_ACP/LBL	Release 1	PICS_ACP_LBL	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessCon trolPolicy)	labels
TP/oneM2M/CSE/DMR/UPD/003_SUB/LBL	Release 1	PICS_SUB_LBL	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscriptio n)	labels
TP/oneM2M/CSE/DMR/UPD/003_GRP/LBL	Release 1	PICS_GRP_LBL	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	labels
TP/oneM2M/CSE/DMR/UPD/003_SCH/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels
TP/oneM2M/CSE/DMR/UPD/003_PCH/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollingCha nnel)	labels
TP/oneM2M/CSE/DMR/UPD/003_TS/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.30.3	29 (timeSeries)	labels

TP ld	TP/oneM2M/CSE/DMR/UPD/004						
Test objective	Check that the IUT updates the value of the attribute ATTRIBUTE_NAME_1, and creates the						
,	ATTRIBUTE_NAME_2 and deletes the ATTRIBUTE_NAME_3 of the						
	TARGET_RESOURCE_ADDRESS resource						
Reference	ETSI TS 118 101 [1], clause 10.1.3						
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 created a resource TARGET_RESOURCE_ADDRESS of type						
	RESOURCE_TYPE containing						
	a RW ATTRIBUTE_NAME_1 attribute set to VALUE_1 and						
	no optional RW ATTRIBUTE_NAME_2 attribute and						
	an optional RW ATTRIBUTE_NAME_3 attribute						
	and the AE having privileges to perform UPDATE operation on the resource						
	TARGET_RESOURCE_ADDRESS						
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_ID and						
	Content containing	IUT ← AE					
	RESOURCE_TYPE resource containing	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attibute set to VALUE_2 and	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attibute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attibute set to VALUE_2 and	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attibute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL }	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then {	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and						
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing	IUT ← AE					
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing RESOURCE_TYPE resource containing						
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and						
	RESOURCE_TYPE resource containing ATTRIBUTE_NAME_1 attribute set to VALUE_2 and ATTRIBUTE_NAME_2 attribute set to VALUE_3 and ATTRIBUTE_NAME_3 attribute set to NULL } then { the IUT updates the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing RESOURCE_TYPE resource containing						

TP Id	PARENT_ RELEASE	PICS Selection	Reference	RESO URCE _TYPE	ATTRI BUTE_ NAME _1	ATTRI BUTE_ NAME_ 2	ATTRI BUTE_ NAME_ 3
TP/oneM2M/CSE/DMR/UPD/004 _CNT/ET/MNI/LBL	Release 1	PICS_CN T_MNI and PICS_CN T_LBL	ETSI TS 118 101 [1], clause 10.2.4.3	3 (contai ner)	expirati onTime	maxNr OfInsta nces	labels
TP/oneM2M/CSE/DMR/UPD/004 _ACP/PVS/PV/LBL	Release 1	PICS_AC P_LBL	ETSI TS 118 101 [1], clause 10.2.21.3	1 (acces sContr olPolic y)	selfPriv ileges	privileg es	labels
TP/oneM2M/CSE/DMR/UPD/004 _ACP/PV/AT/LBL	Release 1	PICS_AC P_AT and PICS_AC P_LBL	ETSI TS 118 101 [1], clause 10.2.21.3	1 (acces sContr olPolic y)	privileg es	announ ceTo	labels
TP/oneM2M/CSE/DMR/UPD/004 _SUB/ET/LBL/EXC	Release 1	PICS_SU B_LBL and PICS_SU B_EXC	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subsc ription)	expirati onTime	labels	expirati onCoun ter
TP/oneM2M/CSE/DMR/UPD/004 _GRP/ET/GN/LBL	Release 1	PICS_GR P_GN and PICS_GR P_LBL	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	expirati onTime	groupN ame	labels
TP/oneM2M/CSE/DMR/UPD/004 _SCH/SE/AT/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.40.2	18 (sched ule)	schedul eEleme nt	announ ceTo	labels
TP/oneM2M/CSE/DMR/UPD/004 _TS/ET/MNI/LBL	Release 2		ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollin gChan nel)	expirati onTime	maxNr OfInsta nces	labels

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TP ld	TP/oneM2M/CSE/DMR/UPD/005			
Test objective	Check that the IUT responds with an error when the AE tries to update an attrib	ute of a		
	TARGET_RESOURCE_ADDRESS resource when the resource does not exist			
Reference	ETSI TS 118 101 [1], clause 10.1.3			
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 not having created a resource TARGET_RESOURCE_ADDRI	ESS		
	}			
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_ID and Content containing valid representation resource containing valid attribute }	IUT ← AE		
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE		

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TP ld	TP/oneM2M/CSE/DMR/UPD/006	
Test objective	Check that the IUT responds with an error when the AE tries to update the attrib	
	ATTRIBUTE_NAME of a TARGET_RESOURCE_ADDRESS resource without h	aving privileges
	for the UPDATE operation	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a RW ATTRIBUTE_NAME attribute set to VALUE_1	
	and the AE having no privileges to perform UPDATE operation on the resou	ırce
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME set to VALUE_2 }	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME set to VALUE_2 } then { the IUT does not update the TARGET_RESOURCE_ADDRESS resource	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME set to VALUE_2 } then { the IUT does not update the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE resource containing ATTRIBUTE_NAME set to VALUE_2 } then { the IUT does not update the TARGET_RESOURCE_ADDRESS resource	IUT ← AE

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TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE	ATTRIBUTE_ NAME
TP/oneM2M/CSE/DMR/UPD/006_CNT/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	labels
TP/oneM2M/CSE/DMR/UPD/006_ACP/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessControlPolicy)	labels
TP/oneM2M/CSE/DMR/UPD/006_SUB/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscription)	labels
TP/oneM2M/CSE/DMR/UPD/006_GRP/LBL	Release 1	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	labels
TP/oneM2M/CSE/DMR/UPD/006_SCH/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	labels
TP/oneM2M/CSE/DMR/UPD/005_TS/LBL	Release 2	ETSI TS 118 101 [1], clause 10.2.30.3	29 (timeSeries)	labels

TP ld	TP/oneM2M/CSE/DMR/UPD/007		
Test objective	Check that the IUT responds with an error when the AE tries to update a non-RW attribute		
	ATTRIBUTE_NAME of a TARGET_RESOURCE_ADDRESS resource		
Reference	ETSI TS 118 101 [1], clause 10.1.3		
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 created a resource TARGET_RESOURCE_ADDRESS RESOURCE_TYPE containing a non-RW ATTRIBUTE_NAME attribute and the AE having privileges to perform UPDATE operation on the resource TARGET_RESOURCE_ADDRESS }	,.	
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_ID and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE_NAME attribute }	IUT ← AE	

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TY PE	ATTRIBUTE_ NAME
TP/oneM2M/CSE/DMR/UPD/007_CNT/CT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_ACP/CT	Release 1	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessControlPo licy)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_SUB/CT	Release 1	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscription)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_GRP/CT	Release 1	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_SCH/CT	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_PCH/CT	Release 2	ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollingChannel)	creationTime
TP/oneM2M/CSE/DMR/UPD/007_TS/CT	Release 2	ETSI TS 118 101 [1], clause 10.2.30.3	29 (timeSeries)	creationTime

TP ld	TP/oneM2M/CSE/DMR/UPD/008	
Test objective	Check that the IUT responds with an error when the AE tries to delete a mandat	ory RW attribute
	ATTRIBUTE_NAME of a TARGET_RESOURCE_ADDRESS resource	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a mandatory RW ATTRIBUTE_NAME attribute	
	and the AE having privileges to perform UPDATE operation on the resource	;
	TARGET_RESOURCE_ADDRESS	
	}	
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_ID and	IUT ← AE
	Content containing	IOI (//L
	RESOURCE_TYPE resource containing	
	ATTRIBUTE_NAME attribute set to NULL	
	}	
	then {	
	the IUT does not update the TARGET_RESOURCE_ADDRESS resource	
	and the IUT sends a valid Response containing	$IUT \rightarrow AE$
	Response Status Code set to 4000 (BAD_REQUEST)	
	in .	

TP Id	PARENT_	Reference	RESOURCE_TY	ATTRIBUTE_NAME
	RELEASE		PE	
TP/oneM2M/CSE/DMR/UPD/008_ACP/PVS	Release 1	ETSI TS 118 101 [1],	1	selfPrivileges
		clause 10.2.21.3	(accessControlPo	
			licy)	
TP/oneM2M/CSE/DMR/UPD/008_SUB/NU	Release 1	ETSI TS 118 101 [1],	23 (subscription)	notificationURI
		clause 10.2.11.4		
TP/oneM2M/CSE/DMR/UPD/008_GRP/MNI	Release 1	ETSI TS 118 101 [1],	9 (group)	maxNrOfInstances
		clause 10.2.7.4		

TP Id	TP/oneM2M/CSE/DMR/UPD/009	
Test objective	Check that the IUT responds with an error when the AE tries to update a RW att ATTRIBUTE_NAME of the TARGET_RESOURCE_ADDRESS resource with an	
	UNACCEPTABLE_VALUE	
Reference	ETSI TS 118 101 [1], clause 10.1.3 item 3)	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a valid RW ATTRIBUTE_NAME attribute	
	and the AE having privileges to perform UPDATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
Formanta dibahasi asa	Tool monte	Dissettes
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_ID and Content containing	IUT ← AE
	then { the IUT does not update the TARGET_RESOURCE_ADDRESS resource and the IUT sends a Response containing	IUT → AF

TP Id	PARENT_ RELEASE	Reference	RESOURCE_T YPE	ATTRIBUTE_NAME
TP/oneM2M/CSE/DMR/UPD/009_CNT/EXC	Release 1	ETSI TS 118 101 [1], clause 10.2.4.3	3 (container)	expirationCounter
TP/oneM2M/CSE/DMR/UPD/009_ACP/EXC	Release 1	ETSI TS 118 101 [1], clause 10.2.21.3	1 (accessControlP olicy)	expirationCounter
TP/oneM2M/CSE/DMR/UPD/009_SUB/MNI	Release 1	ETSI TS 118 101 [1], clause 10.2.11.4	23 (subscription)	maxNrOfInstances
TP/oneM2M/CSE/DMR/UPD/009_GRP/EXC	Release 1	ETSI TS 118 101 [1], clause 10.2.7.4	9 (group)	expirationCounter
TP/oneM2M/CSE/DMR/UPD/009_SCH/EXC	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)	expirationCounter
TP/oneM2M/CSE/DMR/UPD/009_PCH/EXC	Release 2	ETSI TS 118 101 [1], clause 10.2.13.4	15 (pollingChannel)	expirationCounter
TP/oneM2M/CSE/DMR/UPD/009_TS/EXC	Release 2	ETSI TS 118 101 [1], clause 10.2.30.3	29 (timeSeries)	expirationCounter

TP ld	TP/oneM2M/CSE/DMR/UPD/010	
Test objective	Check that the stateTag attribute of a RESOURCE_TYPE resource is increased	when an
	update operation has been performed on its child resource	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
Config Id	CF01	
Parent Release	Release 1	
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 created a RESOURCE_TYPE resource containing	
	CHILD_RESOURCE_TYPE resource containing	
	ATTRIBUTE_NAME attribute set to VALUE_1	
	and the AE having privileges to perform UPDATE operation on the	
	TARGET_CHILD_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE containing	
	To set to TARGET_CHILD_RESOURCE_ADDRESS and	
	From set to AE_ID	IUT ← AE
	Content containing	IUI C AL
	CHILD_RESOURCE_TYPE resource containing	
	ATTRIBUTE_NAME attribute set to VALUE_2	
	}	
	then {	
	the IUT increments the stateTag attribute of RESOURCE_TYPE resource	
	and the IUT sends a valid Response containing	$IUT \rightarrow AE$
	Response Status Code set to 2004 (UPDATED)	
	}	

TP ld	PARENT_RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/UPD/010_CNT		L J/	3 (container)
		clause 10.2.4.3	

TP ld	TP/oneM2M/CSE/DMR/UPD/011		
Test objective	Check that the IUT rejects the UPDATE Request of an existing RESOURCE_TYPE resource with error "OPERATION_NOT_ALLOWED"		
Reference	ETSI TS 118 101 [1], clause 10.2.19.4, ETSI TS 118 104 [2], clause 7.3.2.1 and	clause 7.4.8.2.3	
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a PARENT_RESOURCE_TYPE resource containing a RESOURCE_TYPE resource TARGET_RESOURCE_ADDRESS }	S	
Expected behaviour	Test events	Expected behaviour	
	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing RESOURCE_TYPE representation }		
	then { the IUT does not update the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED)		

TP ld	PARENT_	Reference	_	PARENT_RESOURCE
	RELEASE		TYPE	_TYPE
TP/oneM2M/CSE/DMR/UPD/011_CNT/	Release 1	ETSI TS 118 101 [1],	4	3 (container)
CIN		clause 10.2.4.3	(contentInstan	
			ce)	
TP/oneM2M/CSE/DMR/UPD/011_TS/TS	Release 2	ETSI TS 118 101 [1],	30	29 (timeSeries)
I		clause 10.2.31.3	(timeSeriesInst	
			ance)	

TP ld	TP/oneM2M/CSE/DMR/UPD/012		
Test objective	Check that the IUT rejects the UPDATE Request of a latest resource as a direct child of a <container> resource with error "OPERATION_NOT_ALLOWED"</container>		
Reference	ETSI TS 118 101 [1], clause 10.2.22, ETSI TS 118 104 [2], clause 7.4.28.2.4 an	d clause 7.3.2.1	
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing a contentInstance resource containing valid creationTime attribute set to the most recent resource creation } Test events when { the IUT receives an UPDATE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/la and From set to AE_ID and no Content	on time Direction IUT ← AE	
Expected behaviour	then { the IUT does not update the CONTAINER_RESOURCE_ADDRESS/la resource and the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED) }	IUT → AE	

TP ld	TP/oneM2M/CSE/DMR/UPD/013					
Test objective	Check that the IUT rejects the UPDATE Request of an oldest resource as a <container> resource with error "OPERATION_NOT_ALLOWED"</container>	Check that the IUT rejects the UPDATE Request of an oldest resource as a direct child of a <container> resource with error "OPERATION_NOT_ALLOWED"</container>				
Reference	ETSI TS 118 101 [1], clause 10.2.23, ETSI TS 118 104 [2], clause 7.4.29.2.4 an	d clause 7.3.2.1				
Config Id	CF01					
Parent Release	Release 1					
PICS Selection	PICS_CSE					
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing contentInstance resource(s) } Test events	Direction				
	10010101110	Direction				
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/ol and From set to AE_ID and no Content }	IUT ← AE				
	then { the IUT does not update the CONTAINER_RESOURCE_ADDRESS/ol resource and the IUT sends a Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED) }	IUT → AE				

TP ld	TP/oneM2M/CSE/DMR/UPD/014	
Test objective	Check that the IUT updates successfully the value of the optional attribute	
	OPTIONAL_ATTRIBUTE of the RESOURCE_TYPE resource.	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
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 created the RESOURCE_TYPE resource and the AE having privileges to perform UPDATE operation on the resource TARGET_RESOURCE_ADDRESS }	e
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-ID and Content containing RESOURCE_TYPE resource containing OPTIONAL_ATTRIBUTE attribute set to VALUE }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing RESOURCE_TYPE resource containing OPTIONAL_ATTRIBUTE attribute set to VALUE }	IUT → AE

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TP Id	PARENT_ RELEASE	PICS Selection	Reference	RESOURCE_TYPE	OPTIONAL_ ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/014_CNT/ACPI	Release 1	PICS_CNT_ACPI	ETSI TS 118 101 [1], table 9.6.1.3.2-1	container	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/014_CNT/ET	Release 1	PICS_CNT_ET	ETSI TS 118 101 [1], table 9.6.1.3.1-1	container	expirationTim e
TP/oneM2M/CSE/DMR/UPD/014_CNT/LBL	Release 1	PICS_CNT_LBL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	container	labels
TP/oneM2M/CSE/DMR/UPD/014_CNT/MNI	Release 1	PICS_CNT_MNI	ETSI TS 118 101 [1], table 9.6.6-2	container	maxNrOfInst ances
TP/oneM2M/CSE/DMR/UPD/014_CNT/MBS	Release 1	PICS_CNT_MBS	ETSI TS 118 101 [1], table 9.6.6-2	container	maxByteSize
TP/oneM2M/CSE/DMR/UPD/014_CNT/MIA	Release 1	PICS_CNT_MIA	ETSI TS 118 101 [1], table 9.6.6-2	container	maxInstance Age
TP/oneM2M/CSE/DMR/UPD/014_CNT/OR	Release 1	PICS_CNT_OR	ETSI TS 118 101 [1], table 9.6.6-2	container	ontologyRef
TP/oneM2M/CSE/DMR/UPD/014_ACP/ET	Release 1	N/A	ETSI TS 118 101 [1], table 9.6.1.3.1-1	accessControlPolicy	expirationTim e
TP/oneM2M/CSE/DMR/UPD/014_ACP/LBL	Release 1	PICS_ACP_LBL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	accessControlPolicy	labels
TP/oneM2M/CSE/DMR/UPD/014_SUB/ACPI	Release 1	PICS_SUB_ACPI	ETSI TS 118 101 [1], table 9.6.1.3.2-1	subscription	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/014_SUB/ET	Release 1	N/A	ETSI TS 118 101 [1], table 9.6.1.3.1-1	subscription	expirationTim e
TP/oneM2M/CSE/DMR/UPD/014_SUB/LBL	Release 1	PICS_SUB_LBL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	subscription	labels
TP/oneM2M/CSE/DMR/UPD/014_SUB/ENC	Release 1	PICS_SUB_ENC	ETSI TS 118 101 [1], table 9.6.8-2	subscription	eventNotificat ionCriteria
TP/oneM2M/CSE/DMR/UPD/014_SUB/EXC	Release 1	PICS_SUB_EXC	ETSI TS 118 101 [1], table 9.6.8-2	subscription	expirationCo unter
TP/oneM2M/CSE/DMR/UPD/014_SUB/GPI	Release 1	PICS_SUB_GPI	ETSI TS 118 101 [1], table 9.6.8-2	subscription	groupID
TP/oneM2M/CSE/DMR/UPD/014_SUB/NFU	Release 1	PICS_SUB_NFU	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationFo rwardingURI
TP/oneM2M/CSE/DMR/UPD/014_SUB/BN	Release 1	PICS_SUB_BN	ETSI TS 118 101 [1], table 9.6.8-2	subscription	batchNotify
TP/oneM2M/CSE/DMR/UPD/014_SUB/RL	Release 1	PICS_SUB_RL	ETSI TS 118 101 [1], table 9.6.8-2	subscription	rateLimit
TP/oneM2M/CSE/DMR/UPD/014_SUB/PN	Release 1	PICS_SUB_PN	ETSI TS 118 101 [1], table 9.6.8-2	subscription	pendingNotifi cation
TP/oneM2M/CSE/DMR/UPD/014_SUB/NSP	Release 1	PICS_SUB_NSP	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationSt oragePriority
TP/oneM2M/CSE/DMR/UPD/014_SUB/LN	Release 1	PICS_SUB_LN	ETSI TS 118 101 [1], table 9.6.8-2	subscription	latestNotify
TP/oneM2M/CSE/DMR/UPD/014_SUB/NCT	Release 1	PICS_SUB_NCT	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationCo ntentType

TP/oneM2M/CSE/DMR/UPD/014_SUB/NEC	Release 1	PICS_SUB_NEC	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationEv entCat
TP/oneM2M/CSE/DMR/UPD/014_STCG/LBL	Release 2		ETSI TS 118 101 [1], table 9.6.23-2	statsConfig	labels
TP/oneM2M/CSE/DMR/UPD/014_STCG/AC PI	Release 2		ETSI TS 118 101 [1], table 9.6.23-2	statsConfig	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/014_TS/ACPI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/014_TS/LBL	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	labels
TP/oneM2M/CSE/DMR/UPD/014_TS/MNI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maximumNr OfInstances
TP/oneM2M/CSE/DMR/UPD/014_TS/MBS	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maxByteSize
TP/oneM2M/CSE/DMR/UPD/014_TS/MIA	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maxInstance Age
TP/oneM2M/CSE/DMR/UPD/014_TS/PEI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	periodicInterv al
TP/oneM2M/CSE/DMR/UPD/014_TS/MDD	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData Detect
TP/oneM2M/CSE/DMR/UPD/014_TS/MDN	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData MaxNr
TP/oneM2M/CSE/DMR/UPD/014_TS/MDT	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData DetectTimer
TP/oneM2M/CSE/DMR/UPD/014_TS/OR	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	ontologyRef

TP ld	TP/oneM2M/CSE/DMR/UPD/015				
Test objective	Check that the IUT updates successfully the value of the optional attribute				
	OPTIONAL_ATTRIBUTE of the RESOURCE_TYPE resource under CSEBase				
Reference	ETSI TS 118 101 [1], clause 10.1.3				
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 created a resource TARGET_RESOURCE_ADDRESS	of type			
	RESOURCE_TYPE under the CSEBase resource containing				
	no OPTIONAL_ATTRIBUTE attribute				
	and the AE having privileges to perform UPDATE operation on the resource				
	TARGET_RESOURCE_ADDRESS				
	Toot events	Divertion			
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-ID and				
	Content containing	IUT ← AE			
	RESOURCE_TYPE resource containing				
	OPTIONAL ATTRIBUTE attribute set to VALUE				
	}				
	then {				
	the IUT updates the <i>RESOURCE_TYPE</i> resource				
	and the IUT sends a valid Response containing				
	Response Status Code set to 2004 (UPDATED) and	IUT → AF			
	Content containing	IUI 7 AE			
	RESOURCE_TYPE resource containing				
	OPTIONAL_ATTRIBUTE attribute set to VALUE				
	}				

TP ld	PARENT_	PICS	Reference	RESOURCE_TYPE	OPTIONAL_
	RELEASE	Selection			ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/015_CSR/LBL	Release 1	PICS_CSR	ETSI TS 118 101 [1],	remoteCSE	labels
		_LBL	table 9.6.4-2		
TP/oneM2M/CSE/DMR/UPD/015_CSR/POA	Release 1	PICS_CSR	ETSI TS 118 101 [1],	remoteCSE	pointOfAcce
		_POA	table 9.6.4-2		SS
TP/oneM2M/CSE/DMR/UPD/015_CSR/NL	Release 1	PICS_CSR	ETSI TS 118 101 [1],	remoteCSE	nodeLink
		_NL	table 9.6.4-2		
TP/oneM2M/CSE/DMR/UPD/015_AE/LBL	Release 1	PICS_AE_	ETSI TS 118 101 [1],	AE	labels
		LBL	table 9.6.5-2		

TP Id	PARENT	PICS	Reference	RESOURCE_TYPE	OPTIONAL
	RELEASE	Selection			ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/015_AE/ACPI	Release 1	PICS_AE_	ETSI TS 118 101 [1],	AE	accessContr
		ACPI	table 9.6.5-2		olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_AE/APN	Release 1	PICS_AE_	ETSI TS 118 101 [1],	AE	AppName
		APN	table 9.6.5-2		
TP/oneM2M/CSE/DMR/UPD/015_AE/POA	Release 1	PICS_AE_	ETSI TS 118 101 [1],	AE	pointOfAcce
		POA	table 9.6.5-2		SS
TP/oneM2M/CSE/DMR/UPD/015_AE/OR	Release 1	PICS_AE_	ETSI TS 118 101 [1],	AE	ontologyRef
		OR	table 9.6.5-2		
TP/oneM2M/CSE/DMR/UPD/015_CNT/LBL	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	labels
		_LBL	table 9.6.6-2		
TP/oneM2M/CSE/DMR/UPD/015_CNT/ACPI	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	accessContr
		_ACPI	table 9.6.6-2		olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_CNT/MNI	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	maxNrOfInst
		_MNI	table 9.6.6-2		ances
TP/oneM2M/CSE/DMR/UPD/015_CNT/MBS	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	maxByteSize
		_MBS	table 9.6.6-2		
TP/oneM2M/CSE/DMR/UPD/015_CNT/MIA	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	maxInstance
		_MIA	table 9.6.6-2		Age
TP/oneM2M/CSE/DMR/UPD/015_CNT/OR	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	ontologyRef
		_OR	table 9.6.6-2		
TP/oneM2M/CSE/DMR/UPD/015_CNT/LI	Release 1	PICS_CNT	ETSI TS 118 101 [1],	container	locationID
		_LI	table 9.6.6-2		
TP/oneM2M/CSE/DMR/UPD/015_ACP/LBL	Release 1	PICS_ACP	ETSI TS 118 101 [1],	accessControlPolicy	labels
		_LBL	table 9.6.2-2		_
TP/oneM2M/CSE/DMR/UPD/015_SUB/ACPI	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	accessContr
		_ACPI	table 9.6.8-2	 	olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_SUB/LBL	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	labels
TD/ MONA/OOF/DMD//MDD/OAF OUR/ENG	D	_LBL	table 9.6.8-2	<u> </u>	A1
TP/oneM2M/CSE/DMR/UPD/015_SUB/ENC	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	eventNotifica
TD/ MONA/OOF/DMD/HDD/OAF OHD/EVO	D 1 4	_ENC	table 9.6.8-2	1	tionCriteria
TP/oneM2M/CSE/DMR/UPD/015_SUB/EXC	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	expirationCo
TD/ MONA/OOF/DMD/HDD/OAF OHD/ODI	D 1 4	_EXC	table 9.6.8-2	1	unter
TP/oneM2M/CSE/DMR/UPD/015_SUB/GPI	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	groupID
TP/oneM2M/CSE/DMR/UPD/015_SUB/NFU	Dalassa 4	_GPI PICS_SUB	table 9.6.8-2		notificationF
TP/oneW2W/CSE/DMR/UPD/015_SUB/NFU	Release 1		ETSI TS 118 101 [1],	subscription	
		_NFU	table 9.6.8-2		orwardingUR
TP/oneM2M/CSE/DMR/UPD/015_SUB/BN	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	batchNotify
I F/OHEIMZIVI/COE/DIVIR/OPD/010_SUB/BIN	Release 1	_BN	table 9.6.8-2	SUDSCRIPTION	Datchinothy
TP/oneM2M/CSE/DMR/UPD/015_SUB/RL	Release 1	PICS_SUB	ETSI TS 118 101 [1],	subscription	rateLimit
TF/OHEIWIZIVI/COE/DIVIR/OFD/UTO_SUB/RL	Indicase I	_RL	table 9.6.8-2	Supscribtion	ialeLiiiiil
		_RL	table 9.0.0-2		

TP Id	PARENT_ RELEASE	PICS Selection	Reference	RESOURCE_TYPE	OPTIONAL_ ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/015_SUB/PN	Release 1	PICS_SUB _PN	ETSI TS 118 101 [1], table 9.6.8-2	subscription	pendingNotifi cation
TP/oneM2M/CSE/DMR/UPD/015_SUB/NSP	Release 1	PICS_SUB _NSP	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationSt oragePriority
TP/oneM2M/CSE/DMR/UPD/015_SUB/LN	Release 1	PICS_SUB LN	ETSI TS 118 101 [1], table 9.6.8-2	subscription	latestNotify
TP/oneM2M/CSE/DMR/UPD/015_SUB/NEC	Release 1	PICS_SUB _NEC	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationE ventCat
TP/oneM2M/CSE/DMR/UPD/015_GRP/LBL	Release 1	PICS_GRP _LBL	ETSI TS 118 101 [1], table 9.6.13-2	group	labels
TP/oneM2M/CSE/DMR/UPD/015_GRP/ACPI	Release 1	PICS_GRP ACPI	ETSI TS 118 101 [1], table 9.6.13-2	group	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_GRP/MACP	Release 1	PICS_GRP _MACP	ETSI TS 118 101 [1], table 9.6.13-2	group	membersAcc essControlP olicyIDs
TP/oneM2M/CSE/DMR/UPD/015_GRP/GN	Release 1	PICS_GRP _GN	ETSI TS 118 101 [1], table 9.6.13-2	group	groupName
TP/oneM2M/CSE/DMR/UPD/015_NOD/LBL	Release 2		ETSI TS 118 101 [1], table 9.6.18-2	node	labels
TP/oneM2M/CSE/DMR/UPD/015_NOD/ACPI	Release 2		ETSI TS 118 101 [1], table 9.6.18-2	node	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_NOD/HCL	Release 2		ETSI TS 118 101 [1], table 9.6.18-2	node	hostedCSELi nk
TP/oneM2M/CSE/DMR/UPD/015_TS/ACPI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/UPD/015_TS/LBL	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	labels
TP/oneM2M/CSE/DMR/UPD/015_TS/MNI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maximumNr OfInstances
TP/oneM2M/CSE/DMR/UPD/015_TS/MBS	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maxByteSize
TP/oneM2M/CSE/DMR/UPD/015_TS/MIA	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	maxInstance Age
TP/oneM2M/CSE/DMR/UPD/015_TS/PEI	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	periodicInter val
TP/oneM2M/CSE/DMR/UPD/015_TS/MDD	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData Detect
TP/oneM2M/CSE/DMR/UPD/015_TS/MDN	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData MaxNr
TP/oneM2M/CSE/DMR/UPD/015_TS/MDT	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	missingData DetectTimer
TP/oneM2M/CSE/DMR/UPD/015_TS/OR	Release 2		ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	ontologyRef

TP Id	TP/oneM2M/CSE/DMR/UPD/016	
Test objective	Check that the IUT updates successfully the value of the attribute MANDATORY	Y_ATTRIBUTE
	of the RESOURCE_TYPE resource under CSEBase	
Reference	ETSI TS 118 101 [1], clause 10.1.3	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE under the CSEBase resource	
	and the AE having privileges to perform UPDATE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE containing	
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE }	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE then {	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE then { the IUT updates the RESOURCE_TYPE resource	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE then { the IUT updates the RESOURCE_TYPE resource and the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE } then { the IUT updates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and	IUT ← AE
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE } then { the IUT updates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing	
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE } then { the IUT updates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing RESOURCE_TYPE resource containing	
	the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing RESOURCE_TYPE resource containing MANDATORY_ATTRIBUTE attribute set to VALUE } then { the IUT updates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing	

TP ld	PARENT_	Reference	RESOURCE_TYPE	MANDATORY_
	RELEASE			ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/016_CSR/ET	Release 1	ETSI TS 118 101 [1],	remoteCSE	expirationTime
		table 9.6.4-2		
TP/oneM2M/CSE/DMR/UPD/016_CSR/RR	Release 1	ETSI TS 118 101 [1],	remoteCSE	requestReacha
		table 9.6.4-2		bility
TP/oneM2M/CSE/DMR/UPD/016_AE/ET	Release 1	ETSI TS 118 101 [1],	AE	expirationTime
		table 9.6.5-2		
TP/oneM2M/CSE/DMR/UPD/016_AE/RR	Release 1	ETSI TS 118 101 [1],	AE	requestReacha
		table 9.6.5-2		bility

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TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE	MANDATORY_ ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/016_CNT/ET	Release 1	ETSI TS 118 101 [1], table 9.6.6-2	container	expirationTime
TP/oneM2M/CSE/DMR/UPD/016_ACP/ET	Release 1	ETSI TS 118 101 [1], table 9.6.2-2	accessControlPolic y	expirationTime
TP/oneM2M/CSE/DMR/UPD/016_ACP/PV	Release 1	ETSI TS 118 101 [1], table 9.6.2-2	accessControlPolic y	privileges
TP/oneM2M/CSE/DMR/UPD/016_ACP/PV S	Release 1	ETSI TS 118 101 [1], table 9.6.2-2	accessControlPolic y	selfPrivileges
TP/oneM2M/CSE/DMR/UPD/016_SUB/ET	Release 1	ETSI TS 118 101 [1], table 9.6.8-2	subscription	expirationTime
TP/oneM2M/CSE/DMR/UPD/016_SUB/NU	Release 1	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationURI
TP/oneM2M/CSE/DMR/UPD/016_SUB/NCT	Release 1	ETSI TS 118 101 [1], table 9.6.8-2	subscription	notificationCont entType
TP/oneM2M/CSE/DMR/UPD/016_GRP/ET	Release 1	ETSI TS 118 101 [1], table 9.6.13-2	group	expirationTime
TP/oneM2M/CSE/DMR/UPD/016_GRP/M NM	Release 1	ETSI TS 118 101 [1], table 9.6.13-2	group	maxNrOfMemb ers
TP/oneM2M/CSE/DMR/UPD/016_GRP/MID	Release 1	ETSI TS 118 101 [1], table 9.6.13-2	group	memberIDs
TP/oneM2M/CSE/DMR/UPD/016_NOD/ET	Release 2	ETSI TS 118 101 [1], table 9.6.18-2	node	expirationTime
TP/oneM2M/CSE/DMR/UPD/016_NOD/NI	Release 2	ETSI TS 118 101 [1], table 9.6.18-2	node	nodeID
TP/oneM2M/CSE/DMR/UPD/016_TS/ET	Release 2	ETSI TS 118 101 [1], table 9.6.36-2	timeSeries	expirationTime

TP Id	TP/oneM2M/CSE/DMR/UPD/017	
Test objective	Check that the IUT updates successfully the value of the announceTo optional attribute of the RESOURCE_TYPE resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.18.4 and table 9.6.1.3.2-1, ETSI TS 118 104 [2], clause	
	7.3.3.10	
Config Id	CF02	
Parent Release	Release 2	
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 created the PARENT_RESOURCE resource containin RESOURCE_TYPE resource containing announceTo attribute set to NULL and the IUT having announced the PARENT_RESOURCE resource and the AE having privileges to perform UPDATE operation on the resource TARGET_RESOURCE_ADDRESS	
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-ID and Content containing	IUT ← AE
	then { the IUT sends a valid CREATE Request containing To set ANNC_TARGET_CSE_ADDRESS and Content containing RESOURCE_TYPE announced variant resource containing MA (mandatory) attributes	IUT → CSE

TP Id	RESOURCE_TYPE	
TP/oneM2M/CSE/DMR/UPD/017_ACP	accesControlPolicy	
TP/oneM2M/CSE/DMR/UPD/017_CNT	container	
TP/oneM2M/CSE/DMR/UPD/017_GRP	group	
TP/oneM2M/CSE/DMR/UPD/017_LCP	locationPolicy	
TP/oneM2M/CSE/DMR/UPD/017_MGO	mgmtObj	
TP/oneM2M/CSE/DMR/UPD/017_NOD	node	
TP/oneM2M/CSE/DMR/UPD/017_SCH	schedule	
TP/oneM2M/CSE/DMR/UPD/017_TS	timeSeries	
TP/oneM2M/CSE/DMR/UPD/017_TSI	timeSeriesInstance	

TP Id	TP/oneM2M/CSE/DMR/UPD/018	
Test objective	Check that the IUT updates successfully the value of the announcedAttribute op of the RESOURCE_TYPE resource.	tional attribute
Reference	ETSI TS 118 101 [1], clause 10.2.18.8 and table 9.6.1.3.2-1, ETSI TS 118 104 [2],
	clause 7.3.3.10	
Parent Release	Release 2	
Config Id	CF02	
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 created a RESOURCE_TYPE resource containing OA_ATTRIBUTE attribute set to VALUE and announceTo attribute set to ANNC_TARGET_CSE_ADDRESS and announcedAttribute attribute set to NULL and the IUT having announced the RESOURCE_TYPE resource to the and target CSE and the AE having privileges to perform UPDATE operation on the resource TARGET_RESOURCE_ADDRESS }	
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-ID and Content containing RESOURCE_TYPE resource containing announcedAttribute attribute set to OA_ATTRIBUTE }	IUT ← AE
	then { The IUT sends a valid UPDATE Request containing To set to ANNC_TARGET_CSE_ADDRESS and Content containing	IUT → CSE

TP ld	RESOURCE_TYPE	OA_ATTRIBUTE
TP/oneM2M/CSE/DMR/UPD/018_CNT/MBS	container	maxByteSize
TP/oneM2M/CSE/DMR/UPD/018_GRP/MT	Group	memberType
TP/oneM2M/CSE/DMR/UPD/018_LCP/LOI	locationPolicy	IocationContainerID
TP/oneM2M/CSE/DMR/UPD/018_MGO/DC	mgmtObj	description
TP/oneM2M/CSE/DMR/UPD/018_NOD/HCL	Node	hostedCSELink
TP/oneM2M/CSE/DMR/UPD/018_SCH/SE	schedule	scheduleElement

TP/oneM2M/CSE/DMR/UPD/018_TS/MBS	timeSeries	maxByteSize

TP Id	TP/oneM2M/CSE/DMR/UPD/019	
Test objective	Check that the IUT rejects a UPDATE Request target to TARGET_RESOURCE	_ADDRESS
·	resource when the Result Content set to RESULT_CONTENT	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 7.3.2.1	
Config Id	CF01	
Parent Release	Release 2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE	
	and the AE having privileges to perform UPDATE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
	 	
Compated balancians	Toot avente	Direction
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and RESOURCE_TYPE resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT Content and RESOURCE_TYPE resource containing	IUT ← AE

TP ld	Reference	RESULT_CONTENT
TP/oneM2M/CSE/DMR/UPD/019_RCN/2		2 (hierarchical address)
TP/oneM2M/CSE/DMR/UPD/019_RCN/3		3 (attributes and hierarchichal address)
TP/oneM2M/CSE/DMR/UPD/019_RCN/4	FTCI TC 440 404 [2]	4 (attributes and child resources)
TP/oneM2M/CSE/DMR/UPD/019_RCN/5	ETSI TS 118 104 [2], clause 6.3.4.2.7	5 (attributes and child resource references)
TP/oneM2M/CSE/DMR/UPD/019_RCN/6	Clause 6.3.4.2.7	6 (child resource references)
TP/oneM2M/CSE/DMR/UPD/019_RCN/7		7 (original resource)
TP/oneM2M/CSE/DMR/UPD/019_RCN/8		8 (child resources)

TP Id	TP/oneM2M/CSE/DMR/UPD/020	
Test objective	Check that the IUT returns nothing of TARGET_RESOURCE_ADDRESS resour	rce when the
	Result Content is set to 0 (nothing)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRESS RESOURCE TYPE containing	or type
	a child resource	
	and the AE having privileges to perform UPDATE operation on the resource	.
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing)	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing valid attribute }	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing valid attribute } then {	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing valid attribute } then { the IUT sends a valid Response containing	
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing valid attribute } then { the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and	IUT ← AE
	To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 0 (nothing) Content and RESOURCE_TYPE resource containing valid attribute } then { the IUT sends a valid Response containing	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/UPD/020_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/UPD/020_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/UPD/020_ACP	Release 2	1 (accessControlPolicy)

TP ld	TP/oneM2M/CSE/DMR/UPD/021	
Test objective	Check that the IUT returns successfully only attributes of TARGET_RESOUR	CE_ADDRESS
	resource when the Result Content is set to 1 (attributes)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRES	SS of type
	RESOURCE_TYPE containing	
	a child resource	
	and the AE having privileges to perform UPDATE operation on the resou	rce
	TARGET_RESOURCE_ADDRESS	
	<u> </u>	
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_ID and	IUT ← AE
	Result Content set to 1 (attributes) Content and	IUI ← AE
	RESOURCE_TYPE resource containing	
	valid attribute	
	valiu attribute	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED) and	
	Content containing	
	RESOURCE_TYPE resource containing	
	attributes and	IUT → AE
	no hierarchichal address and	
	no child resources and	
	no child resource references	
]}	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/UPD/021_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/UPD/021_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/UPD/021_ACP	Release 2	1 (accessControlPolicy)

TP Id	TP/oneM2M/CSE/DMR/UPD/022	
Test objective	Check that the IUT returns successfully only modified attributes of	
	TARGET_RESOURCE_ADDRESS resource when the Result Content is set	to 9 (modified
	attributes)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRES	SS of type
	RESOURCE_TYPE containing	
	a child resource	
	and the AE having privileges to perform UPDATE operation on the resou	rce
	TARGET_RESOURCE_ADDRESS	
]}	
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_ID and	
	Result Content set to 9 (modified attributes)	IUT ← AE
	Content and	
	RESOURCE_TYPE resource containing	
	valid ATTRIBUTE attribute set to VALUE	
	<u>}</u>	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED) and	
	Content containing	
	RESOURCE_TYPE resource containing	
	modified attributes and	IUT → AE
	no ATTRIBUTE attribute and	
	no hierarchichal address and	
	no child resources and	
	no child resource references	
	}	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/UPD/022_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/UPD/022_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/UPD/022_ACP	Release 2	1 (accessControlPolicy)

7.2.2.3.3 CREATE Operation

TP Id	TP/oneM2M/CSE/DMR/CRE/001	
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource on the	
	TARGET_RESOURCE_ADDRESS of type PARENT_RESOURCE_TYPE with resource	e name not
	provided	
Reference	ETSI TS 118 101 [1], clause 10.1.1.1	
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 Originator having privileges to perform CREATE operation on the resource TARGET_RESOURCE_ADDRESS }	3
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	IUT ← AE
	then { the IUT creates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing RESOURCE_TYPE resource containing Valid resourceName attribute }	IUT → AE

TP ld	PARENT_	Reference	RESOURCE_TYPE	PARENT_RESOURCE_
	RELEASE			TYPE
TP/oneM2M/CSE/DMR/CRE/001_CNT/CB	Release 1	ETSI TS 118 101 [1],	3 (container)	5 (CSEBase)
		clause 10.2.4.1		
TP/oneM2M/CSE/DMR/CRE/001_CNT/AE	Release 1	ETSI TS 118 101 [1],	3 (container)	2 (AE)
		clause 10.2.4.1		
TP/oneM2M/CSE/DMR/CRE/001_CNT/CNT	Release 1	ETSI TS 118 101 [1],	3 (container)	3 (container)
		clause 10.2.4.1	·	

TP Id	PARENT_	Reference	RESOURCE_TYPE	PARENT_RESOURCE_
	RELEASE			TYPE
TP/oneM2M/CSE/DMR/CRE/001_ACP/CB	Release 1	ETSI TS 118 101 [1],	1	5 (CSEBase)
		clause 10.2.21.1	(accessControlPolicy)	
TP/oneM2M/CSE/DMR/CRE/001_ACP/AE	Release 1	ETSI TS 118 101 [1],	1	2 (AE)
		clause 10.2.21.1	(accessControlPolicy)	
TP/oneM2M/CSE/DMR/CRE/001_SUB/CB	Release 1	ETSI TS 118 101 [1],	23 (subscription)	5 (CSEBase)
		clause 10.2.11.2		
TP/oneM2M/CSE/DMR/CRE/001_SUB/AE	Release 1	ETSI TS 118 101 [1],	23 (subscription)	2 (AE)
		clause 10.2.11.2		
TP/oneM2M/CSE/DMR/CRE/001_SUB/CNT	Release 1	ETSI TS 118 101 [1],	23 (subscription)	3 (container)
		clause 10.2.11.2		
TP/oneM2M/CSE/DMR/CRE/001_SUB/ACP	Release 1	ETSI TS 118 101 [1],	23 (subscription)	1 (accessControlPolicy)
		clause 10.2.11.2		
TP/oneM2M/CSE/DMR/CRE/001_SUB/CSR	Release 1	ETSI TS 118 101 [1],	23 (subscription)	16 (remoteCSE)
		table 9.6.4-1		
TP/oneM2M/CSE/DMR/CRE/001_CIN/CNT	Release 1	ETSI TS 118 101 [1],	4 (contentInstance)	3 (container)
		clause 10.2.4.1		
TP/oneM2M/CSE/DMR/CRE/001_GRP/CB	Release 1	ETSI TS 118 101 [1],	9 (group)	5 (CSEBase)
		clause 10.2.7.2		
TP/oneM2M/CSE/DMR/CRE/001_GRP/AE	Release 1	ETSI TS 118 101 [1],	9 (group)	2 (AE)
		clause 10.2.7.2		
TP/oneM2M/CSE/DMR/CRE/001_SUB/GR	Release 1	ETSI TS 118 101 [1],	23 (subscription)	9 (group)
P		clause 10.2.11.2	12 (1 1 1)	- (00=5
TP/oneM2M/CSE/DMR/CRE/001_SCH/CB	Release 2	ETSI TS 118 101 [1],	18 (schedule)	5 (CSEBase)
TD/ MON/OOF/DMD/ODE/OO4 OOLI/AE	D 1 0	clause 10.2.40.2	40 (1 1 1)	0 (45)
TP/oneM2M/CSE/DMR/CRE/001_SCH/AE	Release 2	ETSI TS 118 101 [1],	18 (schedule)	2 (AE)
TD/ MON/OOF/DND/ODF/OO4 - OOL/OUD	D-1 0	clause 10.2.40.2	40 (00 (
TP/oneM2M/CSE/DMR/CRE/001_SCH/SUB	Release 2	ETSI TS 118 101 [1],	18 (schedule)	23 (subscription)
TD/MONA/COE/DNAD/ODE/COA. DOLL/AE	D-10	clause 10.2.40.2	45 (0 (45)
TP/oneM2M/CSE/DMR/CRE/001_PCH/AE	Release 2	ETSI TS 118 101 [1],	15 (pollingChannel)	2 (AE)
TD/araMan/CCE/DND/CDE/004_CUD/CCU	Dalassa 0	clause 10.2.13.2	OO (outbookintion)	40 (a ab a dula)
TP/oneM2M/CSE/DMR/CRE/001_SUB/SCH	Release 2	ETSI TS 118 101 [1],	23 (subscription)	18 (schedule)
TD/anaMaM/CCE/DMD/CDE/004_NOD/CD	Dalassa 0	clause 10.2.11.2	4.4 (nondo)	F (CCEDana)
TP/oneM2M/CSE/DMR/CRE/001_NOD/CB	Release 2	ETSI TS 118 101 [1],	14 (node)	5 (CSEBase)
TP/oneM2M/CSE/DMR/CRE/001_MGC/CB	Release 2	table 9.6.3-1 ETSI TS 118 101 [1],	12 (mgmtCmd)	5 (CSEBase)
TP/oneW2W/CSE/DWR/CRE/001_WGC/CB	Release 2		12 (mgmtCma)	5 (CSEBase)
TP/oneM2M/CSE/DMR/CRE/001_LCP/CB	Release 2	table 9.6.3-1 ETSI TS 118 101 [1],	40 (la action Dalies)	5 (CSEBase)
TP/ONeWZW/CSE/DWR/CRE/001_LCP/CB	Release 2	table 9.6.3-1	10 (locationPolicy)	5 (CSEBase)
TP/oneM2M/CSE/DMR/CRE/001_STCG/CB	Dalassa 2	ETSI TS 118 101 [1],	22 (stateConfin)	r (CCFDaga)
TP/oneivizivi/CSE/DiviR/CRE/001_STCG/CB	Release 2		22 (statsConfig)	5 (CSEBase)
TD/or aMOM/CCE/DMD/CDE/OO4 CTCL/CD	Dalassa 2	table 9.6.3-1	O4 (state Callest)	r (CCFDaga)
TP/oneM2M/CSE/DMR/CRE/001_STCL/CB	Release 2	ETSI TS 118 101 [1],	21 (statsCollect)	5 (CSEBase)
TD/opeN2M/CCF/DMD/CDF/004 ACAD/CD	Dologoo O	table 9.6.3-1	10/00mino Cuboorit ad	F (CCEBase)
TP/oneM2M/CSE/DMR/CRE/001_ASAR/CB	Release 2	ETSI TS 118 101 [1],	19(serviceSubscribed	5 (CSEBase)
		table 9.6.3-1	AppRule)	

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE	PARENT_RESOURCE_ TYPE
TP/oneM2M/CSE/DMR/CRE/001_SCH/CS	Release 2	ETSI TS 118 101 [1], table 9.6.4-1	18 (schedule)	16 (remoteCSE)
TP/oneM2M/CSE/DMR/CRE/001_SUB/AEA	Release 2		23 (subscription)	10002 (AEannc)
TP/oneM2M/CSE/DMR/CRE/001_CNT/AEA	Release 2	ETSI TS 118 101 [1], table 9.6.5-1	3 (container)	10002 (AEannc)
TP/oneM2M/CSE/DMR/CRE/001_GRP/AEA	Release 2	ETSI TS 118 101 [1], table 9.6.5-1	9 (group)	10002 (AEannc)
TP/oneM2M/CSE/DMR/CRE/001_ACP/AEA	Release 2	ETSI TS 118 101 [1], table 9.6.5-1	1 (accessControlPolicy)	10002 (AEannc)
TP/oneM2M/CSE/DMR/CRE/001_EVCF/ST CG	Release 2	ETSI TS 118 101 [1], table 9.6.23-1	7 (eventConfig)	22 (statsConfig)
TP/oneM2M/CSE/DMR/CRE/001_SUB/STC G	Release 2	ETSI TS 118 101 [1], table 9.6.23-1	23 (subscription)	22 (statsConfig)
TP/oneM2M/CSE/DMR/CRE/001_TS/CB	Release 2	ETSI TS 118 101 [1], table 9.6.36-1	29 (timeSeries)	5 (CSEBase)
TP/oneM2M/CSE/DMR/CRE/001_TS/AE	Release 2	ETSI TS 118 101 [1], table 9.6.36-1	29 (timeSeries)	2 (AE)
TP/oneM2M/CSE/DMR/CRE/001_TS/CSR	Release 2	ETSI TS 118 101 [1], table 9.6.36-1	29 (timeSeries)	16 (remoteCSE)
TP/oneM2M/CSE/DMR/CRE/001_TS/AEA	Release 2	ETSI TS 118 101 [1], table 9.6.36-1	29 (timeSeries)	10002 (AEAnnc)
TP/oneM2M/CSE/DMR/CRE/001_TSI/TS	Release 2	ETSI TS 118 101 [1], table 9.6.37-1	30 (timeSeriesInstance)	30 (timeSeries)

TP ld	TP/oneM2M/CSE/DMR/CRE/002	
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource with a non-ex-	disting resource
	name provided by AE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.1	
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 privileges to perform CREATE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
	and the AE containing	
	no child resource containing	
	resourceName attribute set to NAME	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	To set to AE_RESOURCE_ADDRESS and	
	Resource Type set to RESOURCE_TYPE and	
	From set to AE-ID and	IUT ← AE
	Content containing	
	RESOURCE_TYPE resource containing	
	resourceName attribute set to NAME	
	<u>}</u>	
	then {	
	the IUT creates the RESOURCE_TYPE resource	
	and the IUT sends a valid Response containing	$IUT \rightarrow AE$
	Response Status Code set to 2001 (CREATED)	, , , , ,

TP Id	PARENT_RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/002_CNT	Release 1	ETSI TS 118 101 [1],	3 (container)
		clause 10.2.4.1	
TP/oneM2M/CSE/DMR/CRE/002_ACP	Release 1	ETSI TS 118 101 [1],	1 (accessControlPolicy)
		clause 10.2.21.1	
TP/oneM2M/CSE/DMR/CRE/002_SUB	Release 1	ETSI TS 118 101 [1],	23 (subscription)
		clause 10.2.11.2	
TP/oneM2M/CSE/DMR/CRE/002_GRP	Release 1	ETSI TS 118 101 [1],	9 (group)
		clause 10.2.7.2	
TP/oneM2M/CSE/DMR/CRE/002_SCH	Release 2	ETSI TS 118 101 [1],	18 (schedule)
		clause 10.2.40.2	

TP/oneM2M/CSE/DMR/CRE/002_PCH	Release 2	ETSI TS 118 101 [1],	15 (pollingChannel)
		clause 10.2.13.2	-
TP/oneM2M/CSE/DMR/CRE/002_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.1	
TP/oneM2M/CSE/DMR/CRE/002_FLXC	Release 2	ETSI TS 118 101 [1],	28 (flexContainer)
		clause 10.2.29.1	

TP Id	TP/oneM2M/CSE/DMR/CRE/003	
Test objective	Check that the IUT rejects the creation of a RESOURCE_TYPE resource with a	n existing
	resource name provided by AE	
Reference	ETSI TS 118 101 [1], clause 10.1.1.1	
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 privileges to perform CREATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	and the AE containing	
	a child resource having	
	resourceName attribute set to NAME	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	To set to AE_RESOURCE_ADDRESS and	
	Resource Type set to RESOURCE_TYPE and	
	From set to AE-ID and	IUT ← AE
	Content containing	
	RESOURCE_TYPE resource containing	
	resourceName attribute set to NAME	
	L. Toobarder tarrie dambate but to the time	
	}	
	} then {	
	then { the IUT sends a valid Response containing	IUT → AF
	} then {	IUT → AE

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/003_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.1	3 (container)
TP/oneM2M/CSE/DMR/CRE/003_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.1	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/003_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.2	23 (subscription)
TP/oneM2M/CSE/DMR/CRE/003_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.2	9 (group)
TP/oneM2M/CSE/DMR/CRE/003_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/CRE/003_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.2	15 (pollingChannel)
TP/oneM2M/CSE/DMR/CRE/003_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.1	29 (timeSeries)

TP ld	TP/oneM2M/CSE/DMR/CRE/004	
Test objective	Check that the IUT rejects the creation of a RESOURCE_TYPE resource when	AE has no
-	privileges	
Reference	ETSI TS 118 101 [1], clause 10.1.1.1	
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 no privileges to perform CREATE operation on the resou	ırce
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing RESOURCE_TYPE resource }	IUT ← AE
	then { the IUT does not create the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 4103 (ACCESS_DENIED) }	IUT → AE

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/004_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.1	3 (container)
TP/oneM2M/CSE/DMR/CRE/004_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.1	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/004_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.2	23 (subscription)
TP/oneM2M/CSE/DMR/CRE/004_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.2	9 (group)
TP/oneM2M/CSE/DMR/CRE/004_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/CRE/004_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.2	15 (pollingChannel)
TP/oneM2M/CSE/DMR/CRE/004_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.1	29 (timeSeries)

TP ld	TP/oneM2M/CSE/DMR/CRE/005		
Test objective	Check that the IUT rejects the CREATE Request of container resource when the RW		
	ATTRIBUTE is provided with an invalid value		
Reference	ETSI TS 118 101 [1], clause 10.2.4.1, ETSI TS 118 104 [2], clause 7.4.7.1		
Config Id	CF01		
Parent Release	Release 1		
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 privileges to perform CREATE operation on the resource		
	AE_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 3 (container) and Content containing an invalid RW ATTRIBUTE attribute }	IUT ← AE	
	then { the IUT does not create the container resource and the IUT sends a valid Response containing Response Status Code set to 4000 (BAD_REQUEST) }	IUT → AE	

TP ld	Reference	ATTRIBUTE	
TP/oneM2M/CSE/DMR/CRE/005_MNI	ETSI TS 118 101 [1], clause 9.6.6,	maxNrOfInstances	
	ETSI TS 118 104 [2], clause 7.4.7.1		
TP/oneM2M/CSE/DMR/CRE/005_MBS	ETSI TS 118 101 [1], clause 9.6.6,	maxByteSize	
	ETSI TS 118 104 [2], clause 7.4.7.1		
TP/oneM2M/CSE/DMR/CRE/005_MIA	ETSI TS 118 101 [1], clause 9.6.6,	maxInstanceAge	
	ETSI TS 118 104 [2], clause 7.4.7.1	_	

TP ld	TP/oneM2M/CSE/DMR/CRE/006		
Test objective	Check that the IUT returns a default value to RW ATTRIBUTE in the response of a		
	RESOURCE_TYPE resource CREATE Request where no a RW ATTRIBUTE is	provided by AE	
Reference	ETSI TS 118 101 [1], clause 10.2.4.1, ETSI TS 118 104 [2], clause 7.4.7.1		
Config Id	CF01		
Parent Release	Release 1		
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 privileges to perform CREATE operation on the resource	!	
	AE_RESOURCE_ADDRESS		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to RESOURCE_TYPE and Content containing RESOURCE_TYPE resource representation }	IUT ← AE	
	then { the IUT creates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing RESOURCE_TYPE resource containing valid ATTRIBUTE attribute }	IUT → AE	

TP Id	Reference	RESOURCE_ TYPE	ATTRIBUTE
TP/oneM2M/CSE/DMR/CRE/006_CNT/MNI	ETSI TS 118 101 [1], clause 9.6.6, ETSI TS 118 104 [2], clause 7.4.7.1	container	maxNrOfInstances
TP/oneM2M/CSE/DMR/CRE/006_CNT/MBS	ETSI TS 118 101 [1], clause 9.6.6, ETSI TS 118 104 [2], clause 7.4.7.1	container	maxByteSize
TP/oneM2M/CSE/DMR/CRE/006_CNT/MIA	ETSI TS 118 101 [1], clause 9.6.6, ETSI TS 118 104 [2], clause 7.4.7.1	container	maxInstanceAge
TP/oneM2M/CSE/DMR/CRE/006_TS/MNI	ETSI TS 118 101 [1], clause 9.6.36, ETSI TS 118 104 [2], clause 7.4.38.1	timeSeries	maxNrOfInstances
TP/oneM2M/CSE/DMR/CRE/006_TS/MBS	ETSI TS 118 101 [1], clause 9.6.36, ETSI TS 118 104 [2], clause 7.4.38.1	timeSeries	maxByteSize

TP/oneM2M/CSE/DMR/CRE/006_TS/MIA	ETSI TS 118 101 [1], clause 9.6.36,	timeSeries	maxInstanceAge
	ETSI TS 118 104 [2], clause 7.4.38.1		

TP Id	TP/oneM2M/CSE/DMR/CRE/007					
Test objective	Checks that the IUT accepts a newly created RESOURCE_TYPE when the					
	currentNrOfInstances exceeds the field value set in maxNrOfInstances in the					
	PARENT_RESOURCE_TYPE resource by removing enough of the oldest RESO	OURCE_TYPE				
	resources to allow the creation of the new RESOURCE_TYPE resource					
Reference	ETSI TS 118 101 [1], clause 10.2.19.2, ETSI TS 118 104 [2], clause 7.4.8.2					
Config Id	CF01					
Parent Release	Release 1					
PICS Selection	PICS_CSE					
Initial conditions	with {					
	the IUT being in the "initial state"					
	and the IUT having registered the AE containing					
	a PARENT_RESOURCE_TYPE resource containing					
	currentNrOfInstances attribute set to MAX_NUMBER_OF_INSTANG					
	and maxNrOfInstances attribute set to MAX_NUMBER_OF_INSTAI					
	and the AE having privileges to perform CREATE operation on the resource)				
	PARENT_RESOURCE_ADDRESS					
]					
Expected behaviour	Test events	Direction				
	when {					
	the IUT receives a valid CREATE Request from AE containing					
	To set to PARENT_RESOURCE_ADDRESS and					
	From set to AE_ID and	IUT ← AF				
	Resource Type set to RESOURCE_TYPE and					
	Content containing					
	RESOURCE_TYPE resource representation					
	then {					
	the IUT creates the RESOURCE_TYPE resource					
	the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest RESOURCE_TYPE resources	IIIT NAF				
	the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest RESOURCE_TYPE resources and the IUT sends a valid Response containing	IUT → AE				
	the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest RESOURCE_TYPE resources	IUT → AE				
	the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest RESOURCE_TYPE resources and the IUT sends a valid Response containing	IUT → AE				

TP Id	PARENT_RESOURCE_TYPE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/007_CNT/CIN	container	contentInstance
TP/oneM2M/CSE/DMR/CRE/007_TS/TSI	timeSeries	timeSeriesInstance

TP Id	TP/oneM2M/CSE/DMR/CRE/008	
Test objective	Checks that the IUT accepts a newly created RESOURCE_TYPE resource	e when the
	currentByteSize exceeds the field value set in maxByteSize in the	
	PARENT_RESOURCE_TYPE resource by removing enough of the oldest	RESOURCE_TYPE
	resources to allow the creation of the new RESOURCE_TYPE resource	
Reference	ETSI TS 118 101 [1], clause 10.2.19.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	a PARENT_RESOURCE_TYPE resource containing	
	maxByteSize attribute set to MAX_BYTE_SIZE_OF_DATA and	
	currentByteSize attribute set to MAX_BYTE_SIZE_OF_DATA	
	and the AE having privileges to perform CREATE operation on the res	source
	PARENT_RESOURCE_ADDRESS	
	<u> </u>	
Expected behaviour	Test events	Expected behaviour
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	To set to PARENT_RESOURCE_ADDRESS and	
	From set to AE_ID and	
	Resource Type set to RESOURCE_TYPE and	IUT ← AE
	Content containing	
	RESOURCE_TYPE resource with size less than	
	MANY DVTE OLZE OF DATA	
	MAX_BYTE_SIZE_OF DATA	
	}	
	} then {	
	then { the IUT creates the RESOURCE_TYPE resource	
	then { the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest contentInstance resources	IUT → AE
	then { the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest contentInstance resources and the IUT sends a valid Response containing	IUT → AE
	then { the IUT creates the RESOURCE_TYPE resource and the IUT removes the oldest contentInstance resources	IUT → AE

TP ld	PARENT_RESOURCE_TYPE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/008_CNT/CIN	container	contentInstance
TP/oneM2M/CSE/DMR/CRE/008_TS/TSI	timeSeries	timeSeriesInstance

TP ld	TP/oneM2M/CSE/DMR/CRE/009	
Test objective	Check that the IUT increaments and then copies the field value of attribute st container resource when contentInstance resource is created as the direct checontainer	
Reference	ETSI TS 118 101 [1], clause 9.6.1.3.2, ETSI TS 118 104 [2], clause 7.4.7.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource CONTAINER_RESOURCE_ADDRESS containing stateTag attribute and the AE having privileges to perform CREATE operation on the resource CONTAINER_RESOURCE_ADDRESS })
	Test events	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 4 (contentInstance) and Content containing contentInstance resource representation }	IUT ← AE
	then { the IUT increments stateTag attribute of CONTAINER_RESOURCE_ADDRESS resource andthe IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) }	IUT → AE

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TP ld	TP/oneM2M/CSE/DMR/CRE/010			
Test objective	Check that the IUT rejects the CREATE Request of a container resource named "la" as a direct child of a container resource			
Reference	ETSI TS 118 101 [1], clause 10.2.22, ETSI TS 118 104 [2], clause 7.4.28.2.2 an	d clause 7.3.2.1		
Config Id	CF01			
Parent Release	Release 1			
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 created a container resource CONTAINER_RESOURC and the IUT having privileges to perform CREATE operation on the resourc CONTAINER_RESOURCE_ADDRESS }	е		
	Test events	Direction		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Content containing Container resource containing resourceName attribute set to "la" }	IUT ← AE		
	then { the IUT does not create the container resource and the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED) }	IUT → AE		

TP ld	TP/oneM2M/CSE/DMR/CRE/011	
Test objective	Check that the IUT rejects the CREATE Request of a container resource name child of a container resource	d "ol" as a direct
Reference	ETSI TS 118 101 [1], clause 10.2.23, ETSI TS 118 104 [2], clause 7.4.29.2.2 an	d clause 7.3.2.1
Config Id	CF01	
Parent Release	Release 1	
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 created a container resource CONTAINER_RESOURCE and the IUT having privileges to perform CREATE operation on the resource CONTAINER_RESOURCE_ADDRESS }	е
	Test events	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Content containing container resource containing resourceName attribute set to "ol" }	IUT ← AE
	then { the IUT does not create the container resource and the IUT sends a valid Response containing Response Status Code set to 4005 (OPERATION_NOT_ALLOWED)	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/CRE/012				
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource with	the optional			
	attribute OPTIONAL_ATTRIBUTE provided				
Reference	ETSI TS 118 101 [1], clause 10.1.1				
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 privileges to perform CREATE operation on the resource)			
	AE_RESOURCE_ADDRESS				
	}				
Expected behaviour	Test events	Direction			
	when {				
	the IUT receives a valid CREATE Request from AE containing				
	To set to AE_RESOURCE_ADDRESS and				
	From set to AE-ID and	IUT ← AF			
	Content containing	IOI V AL			
	RESOURCE_TYPE resource containing				
	valid OPTIONAL_ATTRIBUTE attribute				
	}				
	then {				
	the IUT creates the RESOURCE_TYPE resource				
	and the IUT sends a valid Response containing	$IUT \rightarrow AE$			
	Response Status Code set to 2001 (CREATED)				
	}				

TP ld	PARENT_ RELEASE	PICS Selection	Reference	RESOURCE_TYPE	OPTIONAL_ ATTRIBUTE
TP/oneM2M/CSE/DMR/CRE/012_CNT/ACPI	Release 1	PICS_CNT_ ACPI	ETSI TS 118 101 [1], table 9.6.1.3.2-1	3 (container)	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/CRE/012_CNT/ET	Release 1	PICS_CNT_ ET	ETSI TS 118 101 [1], table 9.6.1.3.1-1	3 (container)	expirationTim e
TP/oneM2M/CSE/DMR/CRE/012_CNT/LBL	Release 1	PICS_CNT_L BL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	3 (container)	labels
TP/oneM2M/CSE/DMR/CRE/012_CNT/MNI	Release 1		ETSI TS 118 101 [1], table 9.6.6-2	3 (container)	maxNrOfInst ances
TP/oneM2M/CSE/DMR/CRE/012_CNT/MBS	Release 1	PICS_CNT_ MBS	ETSI TS 118 101 [1], table 9.6.6-2	3 (container)	maxByteSize

TP Id	PARENT_ RELEASE	PICS Selection	Reference	RESOURCE_TYPE	OPTIONAL_ ATTRIBUTE
TP/oneM2M/CSE/DMR/CRE/012_CNT/MIA	Release 1	PICS_CNT_ MIA	ETSI TS 118 101 [1], table 9.6.6-2	3 (container)	maxInstance Age
TP/oneM2M/CSE/DMR/CRE/012_CNT/OR	Release 1	PICS_CNT_ OR	ETSI TS 118 101 [1], table 9.6.6-2	3 (container)	ontologyRef
TP/oneM2M/CSE/DMR/CRE/012_CNT/CR	Release 1	PICS_CNT_ CR	ETSI TS 118 101 [1], table 9.6.6-2	3 (container)	creator
TP/oneM2M/CSE/DMR/CRE/012_CIN/ET	Release 1	PICS_CIN_E	ETSI TS 118 101 [1], table 9.6.1.3.1-1	4 (contentInstance)	expirationTim e
TP/oneM2M/CSE/DMR/CRE/012_CIN/LBL	Release 1	PICS_CIN_L BL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	4 (contentInstance)	labels
TP/oneM2M/CSE/DMR/CRE/012_CIN/CR	Release 1	PICS_CIN_C	ETSI TS 118 101 [1], table 9.6.7-2	4 (contentInstance)	creator
TP/oneM2M/CSE/DMR/CRE/012_CIN/CNF	Release 1	PICS_CIN_C NF	ETSI TS 118 101 [1], table 9.6.7-2	4 (contentInstance)	contentInfo
TP/oneM2M/CSE/DMR/CRE/012_CIN/OR	Release 1	PICS_CIN_O	ETSI TS 118 101 [1], table 9.6.7-2	4 (contentInstance)	ontologyRef
TP/oneM2M/CSE/DMR/CRE/012_ACP/ET	Release 1	N/A	ETSI TS 118 101 [1], table 9.6.1.3.1-1	1 (accesControlPolicy)	expirationTim
TP/oneM2M/CSE/DMR/CRE/012_ACP/LBL	Release 1	PICS_ACP_L BL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	1 (accesControlPolicy)	labels
TP/oneM2M/CSE/DMR/CRE/012_SUB/ACPI	Release 1	PICS_SUB_ ACPI	ETSI TS 118 101 [1], table 9.6.1.3.2-1	23 (subscription)	accessContr olPolicyIDs
TP/oneM2M/CSE/DMR/CRE/012_SUB/ET	Release 1	N/A	ETSI TS 118 101 [1], table 9.6.1.3.1-1	23 (subscription)	expirationTim e
TP/oneM2M/CSE/DMR/CRE/012_SUB/LBL	Release 1	PICS_SUB_L BL	ETSI TS 118 101 [1], table 9.6.1.3.2-1	23 (subscription)	labels
TP/oneM2M/CSE/DMR/CRE/012_SUB/ENC	Release 1	PICS_SUB_ ENC	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	eventNotificat ionCriteria
TP/oneM2M/CSE/DMR/CRE/012_SUB/EXC	Release 1	PICS_SUB_ EXC	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	expirationCo unter
TP/oneM2M/CSE/DMR/CRE/012_SUB/GPI	Release 1	PICS_SUB_ GPI	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	groupID
TP/oneM2M/CSE/DMR/CRE/012_SUB/NFU	Release 1	PICS_SUB_ NFU	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	notificationFo rwardingURI
TP/oneM2M/CSE/DMR/CRE/012_SUB/BN	Release 1	PICS_SUB_ BN	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	batchNotify
TP/oneM2M/CSE/DMR/CRE/012_SUB/RL	Release 1	PICS_SUB_ RL	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	rateLimit
TP/oneM2M/CSE/DMR/CRE/012_SUB/PSN	Release 1	PICS_SUB_ PSN	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	preSubscripti onNotify
TP/oneM2M/CSE/DMR/CRE/012_SUB/PN	Release 1	PICS_SUB_ PN	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	pendingNotifi cation
TP/oneM2M/CSE/DMR/CRE/012_SUB/NSP	Release 1	PICS_SUB_ NSP	ETSI TS 118 101 [1], table 9.6.8-2	23 (subscription)	notificationSt oragePriority

TP Id	PARENT	PICS	Reference	RESOURCE_TYPE	OPTIONAL
	RELEASE	Selection		_	ATTRIBUTE
TP/oneM2M/CSE/DMR/CRE/012_SUB/LN	Release 1	PICS_SUB_L	ETSI TS 118 101 [1],	23 (subscription)	latestNotify
		N	table 9.6.8-2		
TP/oneM2M/CSE/DMR/CRE/012_SUB/NCT	Release 1	PICS_SUB_	ETSI TS 118 101 [1],	23 (subscription)	notificationCo
		NCT	table 9.6.8-2		ntentType
TP/oneM2M/CSE/DMR/CRE/012_SUB/NEC	Release 1	PICS_SUB_	ETSI TS 118 101 [1],	23 (subscription)	notificationEv
		NEC	table 9.6.8-2		entCat
TP/oneM2M/CSE/DMR/CRE/012_SUB/CR	Release 1	PICS_SUB_	ETSI TS 118 101 [1],	23 (subscription)	creator
		CR	table 9.6.8-2		
TP/oneM2M/CSE/DMR/CRE/012_SUB/SU	Release 1	PICS_SUB_	ETSI TS 118 101 [1],	23 (subscription)	subscriberUR
		SU	table 9.6.8-2		I
TP/oneM2M/CSE/DMR/CRE/012_STCG/CR	Release 2		ETSI TS 118 101 [1],	22 (statsConfig)	creator
			table 9.6.23-2		
TP/oneM2M/CSE/DMR/CRE/012_TS/ACPI	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	accessContr
			table 9.6.36-2		olPolicyIDs
TP/oneM2M/CSE/DMR/CRE/012_TS/ET	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	expirationTim
			table 9.6.36-2		e
TP/oneM2M/CSE/DMR/CRE/012_TS/LBL	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	labels
			table 9.6.36-2		
TP/oneM2M/CSE/DMR/CRE/012_TS/CR	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	creator
			table 9.6.36-2		
TP/oneM2M/CSE/DMR/CRE/012_TS/MNI	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	maxNrOfInst
TD/ MON/OOF/DMD/ODF/040 TO/MDO	D 1 0		table 9.6.36-2	00 (1: 0 :)	ances
TP/oneM2M/CSE/DMR/CRE/012_TS/MBS	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	maxByteSize
TD/NONN/OOF/DNAD/ODF/OAO. TO/NNA	Dalassa		table 9.6.36-2	00 (time = 0 = ri = =)	
TP/oneM2M/CSE/DMR/CRE/012_TS/MIA	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	maxInstance
TP/oneM2M/CSE/DMR/CRE/012_TS/PEI	Release 2		table 9.6.36-2 ETSI TS 118 101 [1],	29 (timeSeries)	Age periodicInterv
TP/ONEWZW/CSE/DWR/CRE/012_15/PEI	Release 2			29 (timeSeries)	al
TP/oneM2M/CSE/DMR/CRE/012_TS/MDD	Release 2		table 9.6.36-2 ETSI TS 118 101 [1],	29 (timeSeries)	missingData
TP/ONEWIZW/CSE/DWR/CRE/012_15/WDD	Release 2		table 9.6.36-2	29 (timeSeries)	Detect
TP/oneM2M/CSE/DMR/CRE/012_TS/MDN	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	missingData
TF/OHEIVIZIVI/CGE/DIVIR/CRE/012_13/IVIDIV	Release 2		table 9.6.36-2	29 (timeSeries)	MaxNr
TP/oneM2M/CSE/DMR/CRE/012_TS/MDT	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	missingData
TT /OTIENIZINI/OSE/DIVIT/OTIE/OTZ_TS/NIDT	INCICASE 2		table 9.6.36-2	29 (timeSeries)	DetectTimer
TP/oneM2M/CSE/DMR/CRE/012_TS/OR	Release 2		ETSI TS 118 101 [1],	29 (timeSeries)	ontologyRef
TI /OHEMZIW/OOL/DIVIN/ONL/OTZ_TO/ON	Treicase 2		table 9.6.36-2	23 (timedenes)	ontologyrtei
TP/oneM2M/CSE/DMR/CRE/012_TSI/ET	Release 2		ETSI TS 118 101 [1],	30 (timeSeriesInstance)	expirationTim
TI /OHEMZIW/OOL/DIWIT/ORL/OTZ_TO//ET	Troicase 2		table 9.6.37-1	oo (limedenesinstance)	е
TP/oneM2M/CSE/DMR/CRE/012_TSI/LBL	Release 2		ETSI TS 118 101 [1],	30 (timeSeriesInstance)	labels
, 0.1.5.W.E.W., 00E, D.W., 01(E) 012_101/EDE	T COLOGO Z		table 9.6.37-1	(inflocofficialitie)	
					1
TP/oneM2M/CSE/DMR/CRE/012_TSI/SNR	Release 2		ETSI TS 118 101 [1],	30 (timeSeriesInstance)	sequenceNr

TP ld	TP/oneM2M/CSE/DMR/CRE/013	
Test objective	Check that the IUT rejects the CREATE Request of a RESOURCE_TYPE error "NOT_ACCEPTABLE" when contentSize exceeds maxByteSize of PARENT_RESOURCE_TYPE	
Reference	ETSI TS 118 101 [1], clause 10.2.19, ETSI TS 118 104 [2], clause 7.4.7.2.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a PARENT_RESOURCE_TYPE resource having maxByteSize attribute set to MAX_BYTE_SIZE }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and From set to AE_ID and Content containing	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 5207 (NOT_ACCEPTABLE) }	IUT → AE

TP Id	PARENT_RESOURCE_TYPE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/013_CNT/CIN	container	contentInstance
TP/oneM2M/CSE/DMR/CRE/013_TS/TSI	timeSeries	timeSeriesInstance

TP ld	TP/oneM2M/CSE/DMR/CRE/014	
Test objective	Check that the IUT updates the currentByteSize attribute in a PARENT_RESOU	RCE_TYPE
	when a new RESOURCE_TYPE is created.	
Reference	ETSI TS 118 101 [1], clause 10.2.19.2, ETSI TS 118 104 [2], clause 7.4.8.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	a PARENT_RESOURCE_TYPE resource at PARENT_RESOURCE_ADI	DRESS
	containing	
	maxByteSize attribute set to MAX_BYTE_SIZE_OF_DATA and	
	currentByteSize attribute set to 0	
	and the AE having privileges to perform CREATE operation on the resource	
	PARENT_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
=xpootou sonarrou	when {	D O C C
	the IUT receives a valid CREATE Request from AE containing	
	To set to PARENT_RESOURCE_ADDRESS and	
	From set to AE_ID and	
	Resource Type set to RESOURCE_TYPE and	IUT ← AE
	Content containing	
	DESCUIDED TYPE recourse containing	
	RESOURCE_TYPE resource containing	
	valid content attribute with size equal to DATA_SIZE	
	valid content attribute with size equal to DATA_SIZE }	
	valid content attribute with size equal to DATA_SIZE } then {	
	valid content attribute with size equal to DATA_SIZE } then { the IUT increments currentByteSize attribute of	
	valid content attribute with size equal to DATA_SIZE } then { the IUT increments currentByteSize attribute of PARENT_RESOURCE_ADDRESS resource by DATA_SIZE	IUT → AE
	valid content attribute with size equal to DATA_SIZE } then { the IUT increments currentByteSize attribute of	IUT → AE

TP Id	PARENT_RESOURCE_TYPE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/014_CNT/CIN	container	contentInstance
TP/oneM2M/CSE/DMR/CRE/014_TS/TSI	timeSeries	timeSeriesInstance

TP Id	TP/oneM2M/CSE/DMR/CRE/015	
Test objective	Check that the IUT returns successfully after a CREATE request an empty coresource when the ResultContent set to 0 (Nothing)	entent of created
Reference	ETSI TS 118 101 [1], clause 8.1.2, clause 8.1.3 and clause 10.1.1.1, ETSI TS 11 clause 6.3.4.2.7	18 104 [2],
Parent Release	PARENT_RELEASE	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the AE having privileges to perform CREATE operation on the resource AE_RESOURCE_ADDRESS }</pre>	
	Test events	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to RESOURCE_TYPE and Result Content set to 0 (nothing) and Content containing RESOURCE_TYPE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and no Content }	IUT → AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/015_CNT	Release 2	ETSI TS 118 101 [1], clause 10.2.4.1	3 (container)
TP/oneM2M/CSE/DMR/CRE/015_GRP	Release 2	ETSI TS 118 101 [1], clause 10.2.7.2	9 (group)
TP/oneM2M/CSE/DMR/CRE/015_ACP	Release 2	ETSI TS 118 101 [1], clause 10.2.21.1	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/015_SUB	Release 2	ETSI TS 118 101 [1], clause 10.2.11.2	23 (subscription)
TP/oneM2M/CSE/DMR/CRE/015_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.2	15 (pollingChannel)

TP Id	TP/oneM2M/CSE/DMR/CRE/016	
Test objective	Check that the IUT returns successfully after a CREATE request only hierarchic	hal address of
	the created resource when the Result Content is set to 2 (hierarchical address)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, clause 8.1.3 and clause 10.1.1.1, ETSI TS 1	18 104 [2],
	clause 6.3.4.2.7	
Parent Release	PARENT_RELEASE	
Config Id	CF01	
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 privileges to perform RETRIEVE operation on the resour	ce
	AE_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to RESOURCE_TYPE and Result Content set to 2 (hierarchical address) and Content containing RESOURCE_TYPE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing Hierarchical address of the RESOURCE_TYPE resource }	IUT → AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/016_CNT	Release 2	ETSI TS 118 101 [1], clause 10.2.4.1	3 (container)
TP/oneM2M/CSE/DMR/CRE/016_GRP	Release 2	ETSI TS 118 101 [1], clause 10.2.7.2	9 (group)
TP/oneM2M/CSE/DMR/CRE/016_ACP	Release 2	ETSI TS 118 101 [1], clause 10.2.21.1	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/016_SUB	Release 2	ETSI TS 118 101 [1], clause 10.2.11.2	23 (subscription)
TP/oneM2M/CSE/DMR/CRE/016_PCH	Release 2	ETSI TS 118 101 [1], clause 10.2.13.2	15 (pollingChannel)

TP ld	TP/oneM2M/CSE/DMR/CRE/017	
Test objective	Check that the IUT returns successfully after a CREATE request only attributes	and
-	hierarchichal address of the created resource when Result Content is set 3 (attri	ibutes and
	hierarchichal address)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, clause 8.1.3 and clause 10.1.1.1, ETSI TS 1	18 104 [2],
	clause 6.3.4.2.7	
Parent Release	PARENT_RELEASE	
Config Id	CF01	
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 privileges to perform RETRIEVE operation on the resour	ce
	AE_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to RESOURCE_TYPE and Result Content set to 3 (attributes and hierarchichal address) and Content containing RESOURCE_TYPE resource representation }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing resource element containing Hierarchical address of the RESOURCE_TYPE resource and RESOURCE_TYPE resource representation }	IUT → AE

TP ld	PARENT_	Reference	RESOURCE_TYPE
	RELEASE		
TP/oneM2M/CSE/DMR/CRE/017_CNT		ETSI TS 118 101 [1], clause 10.2.4.1	3 (container)
TP/oneM2M/CSE/DMR/CRE/017_GRP		ETSI TS 118 101 [1], clause 10.2.7.2	9 (group)

TP/oneM2M/CSE/DMR/CRE/017_ACP	Release 2	ETSI TS 118 101 [1],	1 (accessControlPolicy)
		clause 10.2.21.1	·
TP/oneM2M/CSE/DMR/CRE/017_SUB	Release 2	ETSI TS 118 101 [1],	23 (subscription)
		clause 10.2.11.2	
TP/oneM2M/CSE/DMR/CRE/017_PCH	Release 2	ETSI TS 118 101 [1],	15 (pollingChannel)
		clause 10.2.13.2	, ,

TP Id	TD/or a MOM/CCE/DMD/CDE/O4.0	
	TP/oneM2M/CSE/DMR/CRE/018	
Test objective	Check that the IUT rejects a CREATE request when the ResultContent is set to	
	RESULT_CONTENT	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 7.3.2.1	
Parent Release	Release 2	
Config Id	CF01	
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 privileges to perform CREATE operation on the resource	_
	AE_RESOURCE_ADDRESS	7
	AL_KESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
Expected behaviour	}	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT }	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT }	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT } then { the IUT sends a valid Response containing	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to RESULT_CONTENT } then {	IUT ← AE

TP Id	Reference	RESULT_CONTENT
TP/oneM2M/CSE/DMR/CRE/018_RCN/4		4 (attributes and child resources)
TP/oneM2M/CSE/DMR/CRE/018_RCN/5	ETSI TS 118 104 [2],	5 (attributes and child resources references)
TP/oneM2M/CSE/DMR/CRE/018_RCN/6	clause 6.3.4.2.7	6 (child resrouces references)
TP/oneM2M/CSE/DMR/CRE/018_RCN/8		8 (child resources)

TP Id	TP/oneM2M/CSE/DMR/CRE/019	
Test objective	Check that the IUT returns successfully only attributes of TARGET_RESOURCE_ADDRESS	
	resource when the Result Content is set to 1 (attributes)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRES	SS of type
	RESOURCE_TYPE	
	and the AE having privileges to perform CREATE operation on the resou	rce
	TARGET_RESOURCE_ADDRESS	
	<u>-</u>	5 1 (1
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE_ID and	U.T. / A.F.
	Result Content set to 1 (attributes)	IUT ← AE
	Content containing	
	RESOURCE_TYPE resource representation	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	
	RESOURCE_TYPE resource containing	IUT → AF
	attributes and	.0. / /
	no hierarchichal address and	
	no child resources and	
	no child resource references	
	 }	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/019_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/CRE/019_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/CRE/019_ACP	Release 2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/019_PCH	Release 2	15 (pollingChannel)
TP/oneM2M/CSE/DMR/CRE/019_SUB	Release 2	23 (subscription)

TP Id	TP/oneM2M/CSE/DMR/CRE/020	
Test objective	Check that the IUT returns successfully only modified attributes of	
	TARGET_RESOURCE_ADDRESS resource when the Result Content is set to 9 (modified	
	attributes)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRES	SS of type
	RESOURCE_TYPE	
	and the AE having privileges to perform CREATE operation on the resou	rce
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes)	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes)	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) Content containing	IUT ← AE

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/CRE/020_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/CRE/020_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/CRE/020_ACP	Release 2	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/CRE/020_PCH	Release 2	15 (pollingChannel)
TP/oneM2M/CSE/DMR/CRE/020_SUB	Release 2	23 (subscription)

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TP Id	TP/oneM2M/CSE/DMR/CRE/021	
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource on th	е
	TARGET_RESOURCE_ADDRESS of type announced PARENT_RESOURCE_	TYPE
Reference	ETSI TS 118 101 [1], clause 9.6.5	
Parent Release	Release 2	
Config Id	CF04	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the CSE	
	and the IUT having created the PARENT_RESOURCE_TYPE	
	and the Originator having privileges to perform CREATE operation on the re	esource
	PARENT_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from CSE containing Resource Type set to RESOURCE_TYPE and To set to PARENT_RESOURCE_ADDRESS and From set to CSE-ID and Content containing	IUT ← CSE
	then { the IUT creates the RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing RESOURCE_TYPE resource containing Valid resourceName attribute }	IUT → CSE

TP ld	Reference	RESOURCE_TYPE	PARENT_RESO URCE_TYPE
TP/oneM2M/CSE/DMR/CRE/021_CNTA/AEA	ETSI TS 118 101 [1], table 9.6.5-1	(containerAnnc)	(AEannc)
TP/oneM2M/CSE/DMR/CRE/021_GRPA/AEA	ETSI TS 118 101 [1], table 9.6.5-1	(groupAnnc)	(AEannc)
TP/oneM2M/CSE/DMR/CRE/021_ACPA/AEA	ETSI TS 118 101 [1], table 9.6.5-1	(accessControlPolicyAnnc)	(AEannc)
TP/oneM2M/CSE/DMR/CRE/021_TSA/AEA	ETSI TS 118 101 [1], table 9.6.5-1	(timeSeriesAnnc)	(AEannc)

TP Id	TP/oneM2M/CSE/DMR/CRE/022	
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource with the optional	
	attribute announceTo provided	
Reference	ETSI TS 118 101 [1], clause 10.2.18.4 and table 9.6.1.3.2-1, ETSI TS 118 104 [2], clause 7.3.3.10
Parent Release	Release 2	
Config Id	CF02	
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 created and announced the PARENT_RESOURCE to	the
	announcement target CSE	
	and the AE having privileges to perform CREATE operation on the resource	•
	PARENT_RESOURCE_ADDRESS	
	<u> </u>	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	To set to PARENT_RESOURCE_ADDRESS and	
	From set to AE-ID and	IUT ← AE
	Content containing	
	RESOURCE_TYPE resource containing	
	announceTo attribute set to ANNC_TARGET_CSE_ADDRESS	
	} then f	
	then {	
	The IUT sends a valid CREATE Request containing To set to ANNC_TARGET_CSE_ADDRESS and	IUT → CSE
	Content containing	101 7 CSE
	RESOURCE_TYPE announced variant resource containing	
	MA (mandatory) attributes	
	ivia (manuatory) attributes	
	I J	

TP ld	RESOURCE_TYPE	PICS
TP/oneM2M/CSE/DMR/CRE/022_ACP	1 (accesControlPolicy)	PICS_IN_PROFILE
TP/oneM2M/CSE/DMR/CRE/022_CNT	3 (container)	PICS_IN_PROFILE
TP/oneM2M/CSE/DMR/CRE/022_CIN	4 (contentInstance)	PICS_IN_PROFILE
TP/oneM2M/CSE/DMR/CRE/022_GRP	9 (group)	
TP/oneM2M/CSE/DMR/CRE/022_LCP	10 (locationPolicy)	
TP/oneM2M/CSE/DMR/CRE/022_MGO	13 (mgmtObj)	
TP/oneM2M/CSE/DMR/CRE/022_NOD	14 (node)	
TP/oneM2M/CSE/DMR/CRE/022_SCH	18 (schedule)	
TP/oneM2M/CSE/DMR/CRE/022_TS	29 (timeSeries)	
TP/oneM2M/CSE/DMR/CRE/022_TSI	30 (timeSeriesInstance)	

TP Id	TP/oneM2M/CSE/DMR/CRE/023	
Test objective	Check that the IUT accepts the creation of a RESOURCE_TYPE resource w	vith the optional
	attribute announcedAttribute provided	
Reference	ETSI TS 118 101 [1], clause 10.2.18.4 and table 9.6.1.3.2-1, ETSI TS 118 1	04 [2], clause 7.3.3.10
Parent Release	Release 2	
Config Id	CF02	
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 created and announced the PARENT_RESOURC	E to the
	announcement target CSE	
	and the AE having privileges to perform CREATE operation on the reso	urce
	PARENT_RESOURCE_ADDRESS	
Expected	Test events	Direction
behaviour		
	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and From set to AE-ID and Content containing	IUT ← AE
	then { The IUT sends a valid CREATE Request containing To set to ANNC_TARGET_CSE_ADDRESS and Content containing RESOURCE_TYPE announced variant resource containing MA (mandatory) attributes and OA_ATTRIBUTE attribute set to VALUE }	IUT → CSE

TP ld	RESOURCE_TYPE	PICS
TP/oneM2M/CSE/DMR/CRE/023_CNT	3 (container)	PICS_IN_PROFILE
TP/oneM2M/CSE/DMR/CRE/023_CIN	4 (contentInstance)	PICS_IN_PROFILE
TP/oneM2M/CSE/DMR/CRE/023_GRP	9 (group)	
TP/oneM2M/CSE/DMR/CRE/023_LCP	10 (locationPolicy)	
TP/oneM2M/CSE/DMR/CRE/023_MGO	13 (mgmtObj)	
TP/oneM2M/CSE/DMR/CRE/023_NOD	14 (node)	

TP/oneM2M/CSE/DMR/CRE/023_SCH	18 (schedule)
TP/oneM2M/CSE/DMR/CRE/023_TS	29 (timeSeries)
TP/oneM2M/CSE/DMR/CRE/023_TSI	30 (timeSeriesInstance)

7.2.2.3.4 DELETE Operation

TP Id	TP/oneM2M/CSE/DMR/DEL/001			
Test objective	Check that the IUT accepts the deletion of a RESOURCE_TYPE resource			
Reference	ETSI TS 118 101 [1], clause 10.1.4			
Config Id	CF01			
Parent Release	PARENT_RELEASE			
PICS Selection	PICS_CSE			
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the IUT having created a resource TARGET_RESOURCE_ADDRESS RESOURCE_TYPE and the AE having privileges to perform DELETE operation on the resource TARGET_RESOURCE_ADDRESS }</pre>			
Expected behaviour	Test events	Direction		
	when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE		
	then { the IUT deletes the TARGET_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED)	IUT → AE		

	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/001_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.4	3 (container)
TP/oneM2M/CSE/DMR/DEL/001_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.4	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/DEL/001_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.5	23 (subscription)

TP/oneM2M/CSE/DMR/DEL/001_CIN	Release 1	ETSI TS 118 101 [1],	4 (contentInstance)
		clause 10.2.4.1	
TP/oneM2M/CSE/DMR/DEL/001_GRP	Release 1	ETSI TS 118 101 [1],	9 (group)
		clause 10.2.7.5	
TP/oneM2M/CSE/DMR/DEL/001_SCH	Release 2	ETSI TS 118 101 [1],	18 (schedule)
		clause 10.2.40.2	
TP/oneM2M/CSE/DMR/DEL/001_PCH	Release 2	ETSI TS 118 101 [1],	15 (pollingChannel)
		clause 10.2.13.5	
TP/oneM2M/CSE/DMR/DEL/001_STCG	Release 2	ETSI TS 118 101 [1],	22 (statsConfig)
		clause 10.2.15.5	
TP/oneM2M/CSE/DMR/DEL/001_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.4	
TP/oneM2M/CSE/DMR/DEL/001_TSI	Release 2	ETSI TS 118 101 [1],	30 (timeSeriesInstance)
		clause 10.2.31.4	·

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Oire etiere				
Direction				
UT ← AE				
From set to AE_ID and no Content				
UT → AE				
Di				

TP Id	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/002_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.4	3 (container)
TP/oneM2M/CSE/DMR/DEL/002_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.4	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/DEL/002_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.5	23 (subscription)
TP/oneM2M/CSE/DMR/DEL/002_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.5	9 (group)
TP/oneM2M/CSE/DMR/DEL/002_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/DEL/002_TS	Release 2	ETSI TS 118 101 [1], clause 10.2.30.4	29 (timeSeries)

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TP ld	TP/oneM2M/CSE/DMR/DEL/003			
Test objective	Check that the IUT responds with an error when the AE tries to delete the resource			
	TARGET_RESOURCE_ADDRESS which does not exist			
Reference	ETSI TS 118 101 [1], clause 10.1.4			
Config Id	CF01			
Parent Release	Release 1			
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 not yet created a resource TARGET_RESOURCE_AD	DRESS		
	•			
	}			
Expected behaviour	} Test events	Direction		
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	Direction IUT ← AE		

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TP ld	TP/oneM2M/CSE/DMR/DEL/004	
Test objective	Check that the IUT responds with an error when AE tries to delete a child resour	ce of a
	RESOURCE_TYPE resource when this resource has been already deleted	
Reference	ETSI TS 118 101 [1], clause 10.1.4	
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 created a resource TARGET_RESOURCE_ADDRESS RESOURCE_TYPE containing a child resource and the AE having privileges to perform DELETE operation on the resource TARGET_RESOURCE_ADDRESS and the AE having deleted the TARGET_RESOURCE_ADDRESS resource }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/004_CNT	Release 1	ETSI TS 118 101 [1], clause 10.2.4.4	3 (container)
TP/oneM2M/CSE/DMR/DEL/004_ACP	Release 1	ETSI TS 118 101 [1], clause 10.2.21.4	1 (accessControlPolicy)
TP/oneM2M/CSE/DMR/DEL/004_SUB	Release 1	ETSI TS 118 101 [1], clause 10.2.11.5	23 (subscription)
TP/oneM2M/CSE/DMR/DEL/004_GRP	Release 1	ETSI TS 118 101 [1], clause 10.2.7.5	9 (group)
TP/oneM2M/CSE/DMR/DEL/004_SCH	Release 2	ETSI TS 118 101 [1], clause 10.2.40.2	18 (schedule)
TP/oneM2M/CSE/DMR/DEL/004_STCG	Release 2	ETSI TS 118 101 [1], clause 10.2.15.5	22 (statsConfig)

TP/oneM2M/CSE/DMR/DEL/004_TS	Release 2	ETSI TS 118 101 [1],	29 (timeSeries)
		clause 10.2.30.4	

TP Id	TP/oneM2M/CSE/DMR/DEL/005	
Test objective	Check that the stateTag attribute of a RESOURCE_TYPE resource is increased	l when a child
	resource is deleted	
Reference	ETSI TS 118 101 [1], clause 10.1.4	
Config Id	CF01	
Parent Release	Release 1	
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 created a RESOURCE_TYPE resource containing	
	a child resource	
	and the AE having privileges to perform DELETE operation on the	
	TARGET CHILD RESOURCE ADDRESS	
	THREE TESTINES TREES OF THE STATE OF THE STA	
	}	
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing	Direction
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content }	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content } then {	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT increments the stateTag attribute of the RESOURCE_TYPE	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT increments the stateTag attribute of the RESOURCE_TYPE resource	
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT increments the stateTag attribute of the RESOURCE_TYPE resource and the IUT sends a valid Response containing	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_CHILD_RESOURCE_ADDRESS and From set to AE_ID and no Content } then { the IUT increments the stateTag attribute of the RESOURCE_TYPE resource	IUT ← AE

TP ld	PARENT_ RELEASE	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/005_CNT		ETSI TS 118 101 [1], clause 10.2.4.4	3 (container)

TP Id	TP/oneM2M/CSE/DMR/DEL/006			
Test objective	Check that the IUT decreases the field value of attribute currentNrOfInstances and currentByteSize of parent RESOURCE_TYPE when a latest RESOURCE_TYPE resource is deleted successfully			
Reference	ETSI TS 118 101 [1], clause 10.2.19.5, ETSI TS 118 104 [2], clause 7.4.8.2.4			
Config Id	CF01			
Parent Release	Release 1			
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 created a PARENT_RESOURCE_TYPE resource conta currentNrOfInstances attribute set to NR_OF_INSTANCES and currentByteSize attribute set to BYTE_SIZE_OF_DATA and a RESOURCE_TYPE resource TARGET_RESOURCE_ADDRESS and the AE having privileges to perform DELETE operation on the resource TARGET_RESOURCE_ADDRESS }	·		
	Test events	Direction		
	when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE		
Expected behaviour	then { the IUT decreases the currentNrOfInstances attribute of PARENT_RESOURCE_TYPE resource and the IUT decreases the currentByteSize attribute of PARENT_RESOURCE_TYPE resource and the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) }	IUT → AE		

TP Id	PARENT_ RELEASE	Reference	RESOURCE_ TYPE	PARENT_RESOURCE_ TYPE
TP/oneM2M/CSE/DMR/DEL/006_CNT/ CIN	Release 1	ETSI TS 118 101 [1], clause 10.2.4.4	4 (contentInsta nce)	3 (container)
TP/oneM2M/CSE/DMR/DEL/006_TS/T SI	Release 2	ETSI TS 118 101 [1], clause 10.2.30.4	30 (timeSeriesIn stance)	29 (timeSeries)

TP ld	TP/oneM2M/CSE/DMR/DEL/007	
Test objective	Check that the IUT accepts the DELETE Request of the latest contentInstance resource target to a container resource	
Reference	ETSI TS 118 101 [1], clause 10.2.22.2, ETSI TS 118 104 [2], clause 7.4.28.2.5	
Config Id	CF01	
Parent Release	Release 1	
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 created a container resource containing CONTENT_INSTANCE_1 contentInstance resource and CONTENT_INSTANCE_2 contentInstance resource and the AE having privileges to perform DELETE operation on the containe and creationTime attribute of CONTENT_INSTANCE_1 < creationTime attribute CONTENT_INSTANCE_2 }	
	Test events	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/la and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT deletes the CONTENT_INSTANCE_2_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/DEL/008	
Test objective	Check that the IUT rejects the DELETE request of a latest resource resource that has no direct child contentInstance resources.	in a container
Reference	ETSI TS 118 101 [1], clause 10.2.22.2, ETSI TS 118 104 [2], clause 7.4.28.2.5	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing no contentInstance resources }	
	Test events	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/la and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP Id	TP/oneM2M/CSE/DMR/DEL/009	
Test objective	Check that the IUT accepts the DELETE Request of the oldest contentInstance to a container resource	resource target
Reference	ETSI TS 118 101 [1], clause 10.2.23.2, ETSI TS 118 104 [2], clause 7.4.29.2.5	
Config Id	CF01	
Parent Release	Release 1	
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 created a container resource containing CONTENT_INSTANCE_1 contentInstance resource and CONTENT_INSTANCE_2 contentInstance resource and the AE having privileges to perform DELETE operation on the container and creationTime attribute of CONTENT_INSTANCE_1 < creationTime attribute CONTENT_INSTANCE_2 }	oute of
	Test events	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and no Content }	IUT ← AE
·	then { the IUT deletes the CONTENT_INSTANCE_1_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/DEL/010	
Test objective	Check that the IUT rejects the DELETE request of an oldest resource resource that has no direct child contentInstance resources.	in a container
Reference	ETSI TS 118 101 [1], clause 10.2.23.2, ETSI TS 118 104 [2], clause 7.4.29.2.5	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource containing no contentInstance resources }	
	Test events	Direction
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to CONTAINER_RESOURCE_ADDRESS/ol and From set to AE_ID and no Content }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND) }	IUT → AE

TP ld	TP/oneM2M/CSE/DMR/DEL/011	
Test objective	Check that the IUT rejects a DELETE Request target to TARGET_RESOURCE	_ADDRESS
	resource when the Result Content set to RESULT_CONTENT	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 7.3.2.1	
Config Id	CF01	
Parent Release	Release 2	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE	
	and the AE having privileges to perform DELETE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
.	7	D'
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid DELETE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	From set to AE_ID and Result Content set to RESULT_CONTENT	IUI — AE
	no Content	
	1 Content	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 4000 (BAD_REQUEST) and	IUT → AE
	no Content	.51 / 1.2

TP Id	Reference	RESULT_CONTENT
TP/oneM2M/CSE/DMR/DEL/011_RCN/2		2 (hierarchical address)
TP/oneM2M/CSE/DMR/DEL/011_RCN/3		3 (attributes and hierarchichal address)
TP/oneM2M/CSE/DMR/DEL/011_RCN/4		4 (attributes and child resources)
TP/oneM2M/CSE/DMR/DEL/011_RCN/5	ETSI TS 118 104 [2],	5 (attributes and child resource references)
TP/oneM2M/CSE/DMR/DEL/011_RCN/6	clause 6.3.4.2.7	6 (child resource references)
TP/oneM2M/CSE/DMR/DEL/011_RCN/7		7 (original resource)
TP/oneM2M/CSE/DMR/DEL/011_RCN/8		8 (child resources)
TP/oneM2M/CSE/DMR/DEL/011_RCN/9		9 (modified attributes)

TP ld	TP/oneM2M/CSE/DMR/DEL/012	
Test objective	Check that the IUT returns nothing of TARGET_RESOURCE_ADDRESS resour	rce when the
	Result Content is set to 0 (nothing)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRESS	of type
	RESOURCE_TYPE containing	
	a child resource	
	and the AE having privileges to perform DELETE operation on the resource	
	TARGET_RESOURCE_ADDRESS	
]}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid DELETE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE_ID and	IUT ← AE
	Result Content set to 0 (nothing)	
	no Content	
	<u>}</u>	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2002 (DELETED) and	IUT → AE
	no Content	
]}	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/012_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/DEL/012_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/DEL/012_ACP	Release 2	1 (accessControlPolicy)

TP ld	TP/oneM2M/CSE/DMR/DEL/013	
Test objective	Check that the IUT returns successfully only attributes of TARGET_RESOUR	CE_ADDRESS
-	resource when the Result Content is set to 1 (attributes)	
Reference	ETSI TS 118 101 [1], clause 8.1.2, ETSI TS 118 104 [2], clause 6.3.3.2.7	
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 created a resource TARGET_RESOURCE_ADDRES	SS of type
	RESOURCE_TYPE containing	
	a child resource	
	and the AE having privileges to perform DELETE operation on the resour	ce
	TARGET_RESOURCE_ADDRESS	
Expected behaviour	Test events	Direction
Expected beliavious	1631 GVGIIL3	
•	when f	
-	when { the ILIT receives a valid DELETE Request from AE containing	
	the IUT receives a valid DELETE Request from AE containing	
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	IUT ← AF
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes)	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes)	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then {	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing RESOURCE_TYPE resource containing	
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing RESOURCE_TYPE resource containing attributes and	IUT ← AE
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and	
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and no child resources and	
	the IUT receives a valid DELETE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Result Content set to 1 (attributes) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and Content containing RESOURCE_TYPE resource containing attributes and no hierarchichal address and	

TP ld	PARENT_RELEASE	RESOURCE_TYPE
TP/oneM2M/CSE/DMR/DEL/013_CNT	Release 2	3 (container)
TP/oneM2M/CSE/DMR/DEL/013_GRP	Release 2	9 (group)
TP/oneM2M/CSE/DMR/DEL/013_ACP	Release 2	1 (accessControlPolicy)

7.2.2.3.5 BASIC Operation

TP/oneM2M/CSE/DMR/001

	TD/ MON/OOF/DMD/OO4	1
TP ld	TP/oneM2M/CSE/DMR/001	
Test objective	Check that the IUT retargets the request to the hosting CSE when the To param	
	the hosting CSE-ID which is known by the IUT (a descendant CSE or its Registr	rar CSE)
Reference	ETSI TS 118 101 [1], clause 8.2.1.1	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered to a Hosting CSE	
	and the IUT having registered the AE	
	and the Hosting CSE containing	
	a resource representation on TARGET_RESOURCE_ADDRESS	
	and the AE having privileges to perform OPERATION on the Hosting CSE	
	n and the AL having privileges to perform of LIXATION of the flosting oblin	
	<u> </u>	D : (1
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request from the AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	From set to AE_ID	
	}	
	then {	
	the IUT sends a OPERATION Request to the Hosting CSE	
	}	IUT → CSE
	,	

TP ld	OPERATION
TP/oneM2M/CSE/DMR/001_CRE	CREATE
TP/oneM2M/CSE/DMR/001_RET	RETRIEVE
TP/oneM2M/CSE/DMR/001_UPD	UPDATE
TP/oneM2M/CSE/DMR/001_DEL	DELETE

TP/oneM2M/CSE/DMR/002

TP ld	TP/oneM2M/CSE/DMR/002		
Test objective	Check that the IUT retargets the response from the hosting CSE after retargeting an		
	OPERATION Request		
Reference	ETSI TS 118 101 [1], clause 8.2.1.1		
Config Id	CF02		
Parent Release	Release 2		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered to the Hosting CSE		
	and the IUT having registered the AE		
	and the Hosting CSE containing		
	a resource representation on TARGET_RESOURCE_ADDRESS		
	and the AE having privileges to perform OPERATION on the Hosting CSE		
	and the IUT having received a valid OPERATION Request from the AE containing		
	To set to TARGET_RESOURCE_ADDRESS and		
	From set to AE_ID		
	and the IUT sends the OPERATION Request to the Hosting CSE		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid OPERATION Response from the Hosting CSE	IUT ← CSE	
	}	101 (00L	
	di t		
	then {		
	the IUT sends a valid Response to the AE	IUT → AE	
	 		

TP ld	OPERATION
TP/oneM2M/CSE/DMR/002_CRE	CREATE
TP/oneM2M/CSE/DMR/002_RET	RETRIEVE
TP/oneM2M/CSE/DMR/002_UPD	UPDATE
TP/oneM2M/CSE/DMR/002_DEL	DELETE

7.2.2.4 Subscription and Notification (SUB)

7.2.2.4.1 CREATE Operation

TP/oneM2M/CSE/SUB/CRE/001

TP Id	TP/oneM2M/CSE/SUB/CRE/001		
Test objective	Check that the IUT rejects the creation of the <subscription> resource when the target</subscription>		
1001 020,001.10	subscribed-to RESOURCE_TYPE resource is not subscribable.		
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.4.8.2.1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing		
	the AE to perform CREATE operation		
	and the IUT having a resource PARENT_RESOURCE_ADDRESS not being		
	subscribable RESOURCE_TYPE resource		
	<u> </u>		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid CREATE Request from AE containing		
	To set to PARENT_RESOURCE_ADDRESS and		
	Resource Type set to 23 (subscription) and	IUT ← AF	
	From set to AE-ID and	IUI CAL	
	Content containing		
	subscription resource representation		
	}		
	then {		
	the IUT does not create the subscription resource		
	and the IUT sends a valid Response containing		
	Response Status Code set to 5203	$IUT \rightarrow AE$	
	(TARGET_NOT_SUBSCRIBABLE) and		
	no Content		
	[}		

TP ld	Reference	RESOURCE_TYPE
TP/oneM2M/CSE/SUB/CRE/001_CIN	ETSI TS 118 101 [1], clause 9.6.7	4 (contentInstance)
TP/oneM2M/CSE/SUB/CRE/001_SUB	ETSI TS 118 101 [1], clause 9.6.8	23 (subscription)
TP/oneM2M/CSE/SUB/CRE/001_TSI	ETSI TS 118 101 [1], clause 9.6.37	30 (timeSeriesInstance)

TP Id	TP/oneM2M/CSE/SUB/CRE/002	
Test objective	Check that the IUT rejects the creation of the <subscription> resource when the</subscription>	originator does
	not have privileges for retrieving the subscribed-to resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.4.8.2.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having a resource PARENT_RESOURCE_ADDRESS contain	ing
	accessControlPolicyIDs attribute pointing to	
	accessControlPolicy resource containing	
	privileges attribute containing	
	accessControlRule attribute containing	
	accessControlOriginators attribute indicating AE-ID and	
	accessControlOperations attribute not indicating RETRIE	VE
	<u>}</u>	
Expected behaviour	} Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation }	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then {	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then { the IUT does not create the subscription resource	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing Response Status Code set to 4103	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing Response Status Code set to 4103 (ORIGINATOR_HAS_NO_PRIVILEGE) and	IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containing subscription resource representation } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing Response Status Code set to 4103	IUT ← AE

TP ld	TP/oneM2M/CSE/SUB/CRE/003	
Test objective	Check that the IUT rejects the creation of the <subscription> resource when the</subscription>	notificationURI
	is not the originator and the IUT cannot send the Notify request to the notification	nURI
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.4.8.2.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	g
	the AE to perform CREATE operation	
	and the IUT not being able to send the NOTIFY Request to the NOTI_URI_	ADDRESS
	containing verificationRequest set to TRUE	
—	T	Di continu
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and	
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and	UIT & AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS }	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS } then {	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS } then { the IUT does not create the subscription resource	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing Response Status Code set to 5204	
	the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and From set to AE-ID and Content containg subscription resource containing notificationURI attribute set to NOTI_URI_ADDRESS } then { the IUT does not create the subscription resource and the IUT sends a valid Response containing	

TP Id	TP/oneM2M/CSE/SUB/CRE/004	
Test objective	Check that the IUT stores Originator ID in the notification creator attribute when	
	creation request which needs verification is received and the notificationURI is n	not the Originator.
Reference	ETSI TS 118 101 [1], clause 10.2.12.1, ETSI TS 118 104 [2], clause 7.4.9.2.1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""></subscribed-to>	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and Resource Type set to 23 (subscription) and Content containing subscription resource containing notificationURI attribute set to AE2_RESOURCE_ADDRESS then {	IUT ← AE1

TP Id	TP/oneM2M/CSE/SUB/CRE/005		
Test objective	Check that the IUT sends a Notify request to the subscriber resource when		
	notificationEventType attribute is set to "Create_of_Direct_Child_Resource" and	d a create	
	operation has been performed on the subscribed-to resource		
Reference	ETSI TS 118 101 [1], table 9.6.8-3		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE1		
	and the IUT having registered the AE2		
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>		
	subscription child resource containing		
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and		
	eventNotificationCriteria attribute containing		
	notificationEventType set to 3 (Create_of_Direct_Child_Resource		
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to	
	resource		
	}		
	,		
Expected behaviour	Test events	Direction	
Expected behaviour	when {	Direction	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing	Direction	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	Direction	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	Direction IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME }		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then {		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED)		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing		
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing	IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing Notification message containing	IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing Notification message containing notificationEvent attribute containing	IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing Notification message containing notificationEvent attribute containing representation attribute containing	IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing Notification message containing notificationEvent attribute containing representation attribute containing CHILD_RESOURCE_TYPE resource containing	IUT ← AE1	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing CHILD_RESOURCE_TYPE resource containing resourceName attribute set to NAME } then { the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and the IUT sends a NOTIFY Request containing Content containing Notification message containing notificationEvent attribute containing representation attribute containing	IUT ← AE1	

TP ld	TP/oneM2M/CSE/DMR/CRE/006	
Test objective	Check that the IUT accepts the creation of a subscription resource with the	
	eventNotificationCriteria attribute which includes a CONDITION_TAG condition	provided
Reference	ETSI TS 118 101 [1], clause 9.6.8	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the Originator having privileges to perform CREATE operation on the re	esource
	TARGET_RESOURCE_ADDRESS	
		- · · ·
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing Resource Type set to subscription and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing supscription resource containing eventNotificationCriteria attribute containing valid CONDITION_TAG condition }	IUT ← AE
	then { the IUT creates the subscription resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) }	IUT → AE

TP Id	Reference	CONDITION_TAG
TP/oneM2M/CSE/SUB/CRE/006_CRB	ETSI TS 118 101 [1],	createdBefore
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_CRA	ETSI TS 118 101 [1],	createdAfter
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_MS	ETSI TS 118 101 [1],	modifiedSince
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_US	ETSI TS 118 101 [1],	unmodifiedSince
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_STS	ETSI TS 118 101 [1],	stateTagSmaller
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_STB	ETSI TS 118 101 [1],	stateTagBigger
	clause 9.6.8	

TP Id	Reference	CONDITION_TAG
TP/oneM2M/CSE/SUB/CRE/006_EXB	ETSI TS 118 101 [1],	expireBefore
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_EXA	ETSI TS 118 101 [1],	expireAfter
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_SZA	ETSI TS 118 101 [1],	sizeAbove
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_SZB	ETSI TS 118 101 [1],	sizeBelow
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_ET	ETSI TS 118 101 [1],	eventType
	clause 9.6.8	·
TP/oneM2M/CSE/SUB/CRE/006_OM	ETSI TS 118 101 [1],	operationMonitor
	clause 9.6.8	
TP/oneM2M/CSE/SUB/CRE/006_ATR	ETSI TS 118 101 [1],	attribute
	clause 9.6.8	

7.2.2.4.2 DELETE Operation

TP/oneM2M/CSE/SUB/DEL/001

TP Id	TP/oneM2M/CSE/SUB/DEL/001	
Test objective	Check that the IUT sends a Notify request to the AE2_RESOURCE_ADDRESS of the subscriberURI	
-	attribute when the SUBSCRIPTION_RESOURCE_ADDRESS <subscription< th=""><th>> resource is deleted</th></subscription<>	> resource is deleted
Reference	ETSI TS 118 101 [1], clause 9.6.8, ETSI TS 118 104 [2], clause 7.5.1.2.4	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containir</subscribed-to>	ng
	subscription resource containing	
	subscriberURI attribute set to AE2_RESOURCE_ADDRESS	
	and the AE1 having privileges to perform RETRIEVE operation on the s	ubscribed-to resource
	1)	
	-	D :
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and	Direction IUT ← AE1
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS }	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then {	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED)	IUT ← AE1
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and the IUT sends a NOTIFY Request containing	
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and the IUT sends a NOTIFY Request containing Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and the IUT sends a NOTIFY Request containing Content containing notification message containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and the IUT sends a NOTIFY Request containing Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid DELETE Request from AE1 containing To set to SUBSCRIPTION_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS } then { the IUT sends a valid Response containing Response Status Code set to 2002 (DELETED) and the IUT sends a NOTIFY Request containing Content containing notification message containing subscriptionDeletion attribute set to TRUE and	IUT ← AE1

TP Id	TP/oneM2M/CSE/SUB/DEL/002	
Test objective	Check that the IUT sends a Notify request to the subscriber resource when	
	eventNotificationCriteria/notificationEventType attribute is set to "Delete_of_Res	source" and an delete
	operation has been performed the subscribed-to resource	
Reference	ETSI TS 118 101 [1], table 9.6.8-3	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	eventNotificationCriteria attribute containing	
	notificationEventType set to 2 (Delete_of_Resource)	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
)}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid DELETE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	IUT ← AE1
	From set to AE1_RESOURCE_ADDRESS	
)	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2002 (DELETED)	U.T. > A.E.4
	and the IUT sends a NOTIFY Request containg	IUT → AE1
	Content containing	
	notification message containing	IUT → AE2
	notificationEvent attribute containing	
	a valid representation attribute }	

TP Id	TP/oneM2M/CSE/SUB/DEL/003	
Test objective	Check that the IUT sends a Notify request to the subscriber resource when	
	eventNotificationCriteria/notificationEventType attribute is set to "Delete_of_DirectionEventType attribute is set to "Delete_Of_DirectionEventTyp	
	and an delete operation has been performed on a child resource of the subscrib	ed-to resource
Reference	ETSI TS 118 101 [1], table 9.6.8-3	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	a CHILD_RESOURCE_ADDRESS child resource and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	eventNotificationCriteria attribute containing	,
	notificationEventType set to 4 (Delete_of_Direct_Child_Resource	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
Evenested behaviour	Test events	Direction
Expected behaviour	100000000	Direction
	when { the IUT receives a valid DELETE Request from AE1 containing	
	To set to CHILD_RESOURCE_ADDRESS and	IUT ← AE1
	From set to AE1_RESOURCE_ADDRESS	IUI C AEI
	I TOM SELLO ALI_NESSONGE_ADDINESS	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2002 (DELETED)	
	and the IUT sends a NOTIFY Request containing	IUT → AE1
	Content containing	101 77121
	notification message containing	IUT → AE2
	notificationEvent attribute containing	
	representation attribute containing	
	CHILD_RESOURCE_TYPE resource}	

7.2.2.4.3 UPDATE Operation

TP Id	TP/oneM2M/CSE/SUB/UPD/001	
Test objective	Check that the IUT sends Notify request to the subscriber resource when an update operation	
	has been performed on the subscribed-to resource	·
Reference	ETSI TS 118 101 [1], clause 10.2.11.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to
	resource	
Expected behaviour	Toot events	Direction
Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	
	Content containing	IUT ← AE1
	<subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE NAME set to VALUE 2	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED)	
	and the IUT sends a NOTIFY Request contaning	IUT → AE1
	Content containing	IUI 7 ALI
	notification message containing	IUT → AE2
	notificationEvent attribute containing	101 / 112
	representation attribute containing	
	<subscribed-to type=""> resource containing</subscribed-to>	
	All attributes	

TP Id	TP/oneM2M/CSE/SUB/UPD/002	
Test objective	Check that the IUT sends a Notify request to the subscriber resource when the	
_	notificationContentType attribute is set to "modified attributes" and an update op	peration has been
	performed on the subscribed-to resource	
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	notificationContentType attribute set to 2 (modified attributes)	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing <subscribed-to type=""> resource containing ATTRIBUTE_NAME attribute set to VALUE_2 }</subscribed-to>	IUT ← AE1
	then { the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and the IUT sends a NOTIFY Request containing Content containing notification message containing notificationEvent attribute containing representation attribute containing <subscribed-to type=""> resource containing ATTRIBUTE_NAME attribute set to VALUE_2 }</subscribed-to>	IUT → AE1 IUT → AE2

TP Id	TP/oneM2M/CSE/SUB/UPD/003	
Test objective	Check that the IUT sends a Notify request to the subscriber resource when the	
•	notificationContentType attribute is set to "ResourceID" and an update operation	n has been performed
	on the subscribed-to resource	·
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	notificationContentType attribute set to 3 (ResourceID)	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	
	Content containing	IUT ← AE1
	<subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME attribute set to VALUE_2	
	}	
	then {	
	the IUT sends a valid Response containing	IUT → AE1
	Response Status Code set to 2004 (UPDATED)	
	and the IUT sends a NOTIFY Request contaning	IUT → AE2
	Content containing	
	notification message containing	
	notificationEvent attribute containing	
	representation attribute containing	
	<subscribed-to type=""> resource containing</subscribed-to>	
	subscribed-to ResourceID	
	 }	

TP ld	TP/oneM2M/CSE/SUB/UPD/004	
Test objective	Check that the IUT decreases the expirationCounter attribute of a subscription r	
	Hosting CSE of the subscribed-to resource successfully sends the notification re	equest to subscriber
	resource(s)	
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	expirationCounter attribute set to MAX_NUMBER_NOTIFICATION	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	IUT ← AE1
	Content containing	
	<subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME attribute set to VALUE_2	
	}	
	then {	
	the IUT decreases the expirationCounter attribute of the subscription	
	resource	IUT → AE1
	and the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED)	IUT → AE2
	and the IUT sends a NOTIFY Request	
	[]	

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TP/oneM2M/CSE/SUB/UPD/005

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TP Id	TP/oneM2M/CSE/SUB/UPD/005	
Test objective	Check that the IUT deletes the subscription resource when the the expirationCo	unter meets zero
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	expirationCounter attribute set to 1	- wile - al 4 - wa
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribea-to resource
Expected behaviour	Test events	Direction
Expected beliavious	1001011110	Direction
Expected benavious	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing	Direction
Expected beliavious	when {	
Expected Bellaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	IUT ← AE1
Expected Bellaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected Bellaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing <subscribed-to type=""> resource containing ATTRIBUTE_NAME attribute set to VALUE_2 }</subscribed-to>	
Expected Bellaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected Bellavious	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected Bellaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected Bellavious	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected Bellavious	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected Bellavious	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected Bellavious	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1

TP Id	TP/oneM2M/CSE/SUB/UPD/006	
Test objective	Check that the IUT does not send a Notify request to the subscriber resource will	
	condition tag of eventNotificationCriteria attribute is set to LIST_OF_ATTRIBUT	E and does not
	contain the ATTRIBUTE_NAME attribute updated.	
Reference	ETSI TS 118 101 [1], clause 9.6.8, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	eventNotificationCriteria attribute containing	
	attribute condition tag set to LIST_OF_ATTRIBUTE containing	
	no ATTRIBUTE_NAME attribute	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
-	7	Discourie de la companya della companya della companya de la companya de la companya della compa
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	IUT ← AE1
	Content containing	
	<subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME attribute set to VALUE_2	
	then (
	then { the IUT sends a valid Response containing	
	i ine io i senos a valio response containino	
		IUT → AE1
	Response Status Code set to 2004 (UPDATED)	IUT → AE1
		IUT → AE1

TP Id	TP/oneM2M/CSE/SUB/UPD/007	
Test objective	Check that the IUT sends batched notifications to the subscriber resource when	
-	the batchNotify attribute is set to NUMBER and when this number have been re	ached
Reference	ETSI TS 118 101 [1], clause 10.2.12.1	
Config Id	CF01	
Parent release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource having	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	batchNotify attribute containing	
	number attribute set to NUMBERand	
	duration attribute set to TIME_LIMIT	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
	and the IUT having received (NUMBER- 1) valid UPDATE Requests from	
	AE1_RESOURCE_ADDRESS to subscribed-to resource	
	and the timer has not reached the TIME_LIMIT duration value	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	IUT ← AE1
	Content containing	IOT C ALT
	<subscribed-to type=""> resource containing</subscribed-to>	
	a valid ATTRIBUTE_NAME attribute	
	}	
	then {	
	the IUT sends a valid Response containing	IUT → AE1
	Response Status Code set to 2004 (UPDATED)	
	and the IUT sends NUMBER times a NOTIFY Request containng	IUT → AE2
	Content containing	
	notification message containing	
	a valid notificationEvent attribute	
	a valid HotillodionEvolit ditributo	

TP Id	TP/oneM2M/CSE/SUB/UPD/008	
Test objective	Check that the IUT sends the latest notification to the subscriber resource when latestNotify is set to	
	TRUE, the number value of the batchNotify attribute is set to NUMBER and whe	n this number has
	been reached	
Reference	ETSI TS 118 101 [1], clause 10.2.12.1	
Config Id	CF01	
Parent release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource having	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	latestNotify attribute set to TRUE and	
	batchNotify attribute containing	
	number attribute set to NUMBERand	
	duration attribute set to TIME_LIMIT	
	and the AE1 having privileges to perform RETRIEVE operation on the subscribed-to resource	
	and the IUT having received (NUMBER- 1) valid UPDATE Requests from	
	AE1_RESOURCE_ADDRESS to subscribed-to resource	
	and the timer has not reached the TIME_LIMIT duration value	
		D'andia
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid UPDATE Request from AE1 containing	
	To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	
	From set to AE1_RESOURCE_ADDRESS and	IUT ← AE1
	Content containing	_
	<subscribed-to type=""> resource containing</subscribed-to>	
	a valid ATTRIBUTE_NAME attribute	
	<u>}</u>	
	then {	IIIT > ^=4
	the IUT sends a valid Response containing	IUT → AE1
	Response Status Code set to 2004 (UPDATED)	UIT > 450
	and the IUT sends a NOTIFY Request containing	IUT → AE2
	Content containing	
	the latest notification message containing	
<u> </u>	a valid notificationEvent attribute}	

TP Id	TP/oneM2M/CSE/SUB/UPD/009	
Test objective	Check that the IUT sends a Notify request to the subscriber resource when the "attribute" condition	
•	tag of eventNotificationCriteria attribute is set to ATTRIBUTE_NAME and an upon	
	been performed on the subscribed-to resource	·
Reference	ETSI TS 118 101 [1], clause 9.6.8, ETSI TS 118 104 [2], clause 7.5.1.2.2	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME set to VALUE_1 and	
	subscription child resource containing	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	eventNotificationCriteria attribute containing	
	attribute condition tag set to ATTRIBUTE_NAME	
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource
	}	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	Direction IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing <subscribed-to type=""> resource containing</subscribed-to>	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing <subscribed-to type=""> resource containing ATTRIBUTE_NAME attribute set to VALUE_2 }</subscribed-to>	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE1 containing To set to SUBSCRIBED_TO_RESOURCE_ADDRESS and From set to AE1_RESOURCE_ADDRESS and Content containing	IUT ← AE1

7.2.2.4.4 NOTIFY Operation

TP/oneM2M/CSE/SUB/NTF/001

TP ld	TP/oneM2M/CSE/SUB/NTF/001		
Test objective	Check that the IUT rejects the creation of the <subscription> resource when the notificationURI</subscription>		
	is not the originator and the IUT have received the Notify response containing Response Status		
	Code indicating SUBSCRIPTION_CREATOR_HAS_NO_PRIVILEGE		
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.4.8.2.1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	g	
	the AE to perform CREATE operation	_	
	and notificationURI not being the originator		
	and the IUT having sent the NOTIFY Request to the NOTI_URI_ADDRESS containing		
	verificationRequest set to TRUE		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid Response containing		
	Response Status Code set to 4101	IUT ← AE	
	(SUBSCRIPTION_CREATOR_HAS_NO_PRIVILEGE)		
	}		
	then {		
	the IUT does not create the subscription resource		
	and the IUT sends a valid Response containing		
	Response Status Code set to 4101	IUT → AE	
	(SUBSCRIPTION_CREATOR_HAS_NO_PRIVILEGE) and		
ı	no Content		
	}		

TP ld	TP/oneM2M/CSE/SUB/NTF/002		
Test objective	Check that the IUT rejects the creation of the <subscription> resource when the notificationURI</subscription>		
	is not the originator and the IUT have received the Notify response containing R	esponse Status	
	Code indicating SUBSCRIPTION_HOST_HAS_NO_PRIVILEGE		
Reference	ETSI TS 118 101 [1], clause 10.2.11.2, ETSI TS 118 104 [2], clause 7.4.8.2.1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	9	
	the AE to perform CREATE operation		
	and notificationURI not being the originator		
	and the IUT having sent the NOTIFY Request to the NOTI_URI_ADDRESS	containing	
	verificationRequest set to TRUE		
	<u> </u>		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid Response containing		
	Response Status Code set to 5205	IUT ← AE	
	(SUBSCRIPTION_HOST_HAS_NO_PRIVILEGE)		
	<u>}</u>		
	then {		
	the IUT does not create the subscription resource		
	and the IUT sends a valid Response containing		
	Response Status Code set to 5205	IUT → AE	
	(SUBSCRIPTION_HOST_HAS_NO_PRIVILEGE) and		
	no Content		
	ls	l i	

TP ld	TP/oneM2M/CSE/SUB/NTF/003	
Test objective	Check that the IUT sends batched notifications to the subscriber resource when	the duration value of
	the batchNotify attribute is set to TIME_LIMIT and when this timer expires	
Reference	ETSI TS 118 101 [1], clause 10.2.12.1	
Config Id	CF01	
Parent release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	
	ATTRIBUTE_NAME attribute set to VALUE_1 and	
	subscription child resource having	
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and	
	batchNotify attribute containing	
	Landing with a section TIME LIMIT	
	duration attrinbute set to TIME_LIMIT	andle and the management
	and the AE1 having privileges to perform RETRIEVE operation on the subs	
	and the IUT having received a valid UPDATE Request from AE1_RESOUR subscribed-to resource	(CE_ADDRESS to
	and timer has not reached TIME_LIMIT	
	l	
Expected behaviour	Test events	Direction
	when {	
	the timer expires after the TIME LIMIT duration value	IUT ← AE1
	}	
	then {	
	The IUT sends a NOTIFY Request containing	
	Content containing	UIT > 450
	notification message containing	IUT → AE2
	a valid notificationEvent attribute	
	}	

TP Id	TP/oneM2M/CSE/SUB/NTF/004		
Test objective	Check that the IUT sends the latest notification to the subscriber resource when		
	TRUE, the duration value of the batchNotify attribute is set to TIME_LIMIT and v	vhen this timer	
	expires		
Reference	ETSI TS 118 101 [1], clause 10.2.12.1		
Config Id	CF01		
Parent release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE1		
	and the IUT having registered the AE2		
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>		
	ATTRIBUTE_NAME set to VALUE_1 and		
	subscription child resource having notificationURI attribute set to AE2_RESOURCE_ADDRESS and		
	latestNotify attribute set to TRUE and		
	batchNotify attribute set to TRUE and		
	batchivothy attribute containing		
	duration attribute set to TIME LIMIT		
	and the AE1 having privileges to perform RETRIEVE operation on the subs	cribed-to resource	
	and the IUT having received a valid UPDATE Request from AE1_RESOUR		
	subscribed-to resource		
	and timer has not reached TIME_LIMIT		
	<u> </u>		
Expected behaviour	Test events	Direction	
	when {		
	the timer expires after the TIME_LIMIT duration value	IUT ← AE1	
	}		
	then {		
	The IUT sends a NOTIFY Request contaning		
	Content containing	IUT → AE2	
	the latest notification message containing		
	a valid notificationEvent attribute }		

TP ld	TP/oneM2M/CSE/SUB/NTF/005		
Test objective	Check that the IUT sends the latest cached notification after IUT escapes from	m connectionless	
	state when the pendingNotification is set to 1 (sendLatest)		
Reference	ETSI TS 118 101 [1], clause 9.6.8		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE1		
	and the IUT having registered the AE2		
	and the AE1 having created a <subscribed-to type=""> resource containing</subscribed-to>	g	
	subscription child resource containing		
	notificationURI attribute set to AE2_RESOURCE_ADDRESS and		
	pendingNotification attribute set to 1 (sendLatest)		
	and the AE2 having privileges to perform RETRIEVE operation on the su	ibscribed-to resource	
	and the IUT being in the "connectionless state" with AE2		
	and the IUT having frequently received from AE1 a valid UPDATE Reque	ests to subscribed-to	
	resource		
Even este d'habaviave	Toot events	Direction	
Expected behaviour	Test events	Direction	
	when {	N1.0	
	the IUT escapes from the "connectionless state"	NA	
	than f		
	then { The IIIT conde a velid NOTIFY Paguest contening		
	The IUT sends a valid NOTIFY Request containing	IIIT > AF2	
	Content containing	IUT → AE2	
	the latest notification message		
	}		

TP ld	TP/oneM2M/CSE/SUB/NTF/006		
Test objective	Check that the IUT sends the notifications of cached notification messages after IUT escapes from connectionless state when the pendingNotification is set to 2 (sendAllPending)		
Reference	ETSI TS 118 101 [1], clause 9.6.8	ETSI TS 118 101 [1], clause 9.6.8	
Config Id	CF01		
Parent release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE1 and the IUT having registered the AE2 and the AE1 having created a <subscribed-to type=""> resource containing subscription child resource having notificationURI attribute set to AE2_RESOURCE_ADDRESS and pendingNotification attribute set to 2 (sendAllPending) and the AE2 having privileges to perform RETRIEVE operation on the su and the IUT being in the "connectionless state" with AE2 and the IUT having received from AE1 a NUMBER of valid UPDATE Received to resource }</subscribed-to>	ubscribed-to resource	
Expected behaviour	Test events	Direction	
	when { the IUT escapes from the "connectionless state" }	NA	
	then { The IUT sends NUMBER times a valid NOTIFY Request containing Content containing notification message containing a valid notificationEvent attribute }	IUT → AE2	

TP Id	TP/oneM2M/CSE/SUB/NTF/007	
Test objective	Check that the IUT retargets the notification to the AE according to pointOfAccess in the <ae></ae>	
	resource.	
Reference	ETSI TS 118 101 [1], clause 9.6.5 and clause 9.3.2.3.1, ETSI TS 118 104 [2], cl	ause 7.3.3.9
Config Id	CF02	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having created the AE resource containing POINT_OF_ACCESS attribute and REQUEST_REACHABILITY set to true }	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid NOTIFY from CSE containing To set to AE_RESOURCE_ADDRESS From set to CSE_ID }	IUT ← CSE
	<pre>then { the IUT sends the valid NOTIFY to POINT_OF_ACCESS }</pre>	IUT → AE

TP ld	TP/oneM2M/CSE/SUB/NTF/008	
Test objective	Check that the IUT retargets the notification to the AE according to pointOfAccess in the <ae> resource and forward the response back to the CSE.</ae>	
Reference	ETSI TS 118 101 [1], clause 9.6.5 and clause 9.3.2.3.1, ETSI TS 118 104 [2], clause	7.3.3.9
Config Id	CF02	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having received a valid NOTIFY from CSE and The IUT having sent the NOTIFY to the AE }	
Expected behaviour	Test events	Direction
	<pre>when { the IUT receives a valid NOTIFY RESPONSE from the AE }</pre>	IUT ← AE
	then { the IUT sends the valid NOTIFY RESPONSE to the CSE }	IUT → CSE

7.2.2.5 Group Management (GMG)

7.2.2.5.1 CREATE Operation

TP Id	TP/oneM2M/CSE/GMG/CRE/001	
Test objective	Check that the IUT rejects the creation of the group resource when member ID exceed max	
	number of members.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.3.13	
Parent Release	Release 1	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	3
	the AE to perform CREATE operation	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to 9 (group) and From set to AE-ID and Content containing group resource containing memberIDs attribute set to LIST_OF_MEMBER_RESOURCE_IDS and maxNrOfMembers attribute set to MAX_NR_MEMBERS less than the number of memerIDs set in memberIDs attribute }	IUT ← AE
	then { the IUT does not create the group resource and the IUT sends a valid Response containing Response Status Code set to 6010 (MAX_NUMBER_OF_MEMBER_EXCEEDED) }	IUT → AE

TP Id	TP/oneM2M/CSE/GMG/CRE/002	
Test objective	Check that the IUT rejects the creation of the group resource when the memberType cannot be	
	retrieved due to lack of privilege.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.3.13	
Parent Release	Release 1	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	9
	the AE to perform CREATE operation	
	and the sub-group members being in the "inital state"	
	and the AE not having privileges to perform RETRIEVE operation on the su	b-group
	members	
	<u> </u>	5
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing memberIDs attribute containing sub-group members }	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing memberIDs attribute containing sub-group members } then {	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing memberIDs attribute containing sub-group members } then { the IUT does not create the group resource	IUT ← AE
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing memberIDs attribute containing sub-group members } then { the IUT does not create the group resource and the IUT sends a valid valid Response containing	
Expected behaviour	when { the IUT receives a valid CREATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation containing memberIDs attribute containing sub-group members } then { the IUT does not create the group resource	IUT ← AE

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TP ld	TP/oneM2M/CSE/GMG/CRE/003	
Test objective	Check that the IUT detects the presence of duplicate member IDs during the creation of the	
	<group> resource and removes the duplicate member IDs prior to creation of the</group>	e <group></group>
	resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2	
Parent Release	Release 1	
Config Id	CF01	
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 created a resource at TARGET_RESOURCE_ADDRES	S allowing
	a child resource type group	
	and the AE having privileges to perform CREATE operation on the	
	TARGET_RESOURCE_ADDRESS	
	and the IUT having created a resource at MEMBER_RESOURCE_ADDRES	SS
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives an valid CREATE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	Resource Type set to 9 (group) and	
	From set to AE-ID and	
	Content containing	IUT ← AE
	group resource containing	
	memberIDs attribute set to	
	MEMBER_RESOURCE_ADDRESS,	
	MEMBER_RESOURCE_ADDRESS	
	}	
	then { the IUT creates the group resource	
	and the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED)	
	Content containing	IUT → AE
	group resource containing	101 / AL
	memberIDs attribute set to	
	MEMBER_RESOURCE_ADDRESS	
	}	
NOTE: TARGET R	ESOURCE_ADDRESS : <csebase>, <remotecse></remotecse></csebase>	
	RESOURCE_ADDRESS: any oneM2M resource type.	
IVICIVIDEI_I	teodortoe_,teoditary onomen roodardo typo.	

TP Id	TP/oneM2M/CSE/GMG/CRE/004	
Test objective	Check that the IUT validates the resource type during the creation of the <i><group></group></i> resource	
	when memberType attribute is not 'mixed'.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.4.14.2.1	
Parent Release	Release 1	
Config Id	CF01	
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 at TARGET_RESOURCE_ADDRESS allow	ng
	a child resource type group	
	and the AE having privileges to perform CREATE operation on the	
	TARGET_RESOURCE_ADDRESS	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS	
	having resourceType attribute RESOURCE_TYPE	
-	<u>-</u>	D'
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
	Resource Type set to 9 (group) and	
	From set to AE-ID and	
	Content containing	IUT ← AE
	group resource containing	IOT C AL
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS	
	and	
	memberType attribute set to RESOURCE_TYPE	
	}	
	then {	
	the IUT creates the group resource	
	and the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED)	IUT → AE
	Content containing	101 / AL
	group resource containing	
	memberTypeValidated attribute set to TRUE	
]}	
	ESOURCE_ADDRESS : <csebase>, <remotecse> RESOURCE_ADDRESS : any oneM2M resource type.</remotecse></csebase>	

TP Id	TP/oneM2M/CSE/GMG/CRE/005	
Test objective	Check that the IUT handles unsuccessful validation of the resource type during the creation of	
	the <group> resource when memberType attribute is not 'mixed' and the consistencyStrategy</group>	
	attribute is SET_MIXED.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.4.14.2.1	
Parent Release	Release 1	
Config Id	CF01	
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 at TARGET_RESOURCE_ADDRESS allow	ing
	a child resource type group	
	and the AE having privileges to perform CREATE operation on the	
	TARGET_RESOURCE_ADDRESS	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS havi	ng
	resourceType attribute RESOURCE_TYPE_1	
Formanta dibaharian	To all accounts	Discotton
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
	Resource Type set to 9 (group) and	
	From set to AE-ID and	
	Content containing	
	group resource containing	$IUT \leftarrow AE$
	memberIDs attribute set to	
	MEMBER_RESOURCE_ADDRESS	
	and memberType attribute set to RESOURCE_TYPE_2	
	and consistencyStrategy attribute set to SET_MIXED	
	}	
	then {	
	the IUT creates the group resource	
	and the IUT sends a valid Response containing	
	Response Status Code set to 2001 (CREATED) and	
	Content containing	$IUT \rightarrow AE$
	group resource containing	
	memberTypeValidated attribute set to TRUE and	
	memberType attribute set to MIXED	
]}	
	ESOURCE_ADDRESS: <csebase>, <remotecse></remotecse></csebase>	
MEMBER_F	RESOURCE_ADDRESS: any oneM2M resource type.	

TP Id	TP/oneM2M/CSE/GMG/CRE/006
Test objective	Check that the IUT handles unsuccessful validation of the resource type during the creation of the <i><group></group></i> resource when memberType attribute is not 'mixed' and the consistencyStrategy
	attribute is ABANDON_MEMBER,.
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.4.14.2.1
Parent Release	Release 1
Config Id	CF01
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 at TARGET_RESOURCE_ADDRESS allowing
	a child resource type group
	and the AE having privileges to perform CREATE operation on the
	TARGET_RESOURCE_ADDRESS
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1
	having resourceType attribute RESOURCE_TYPE_1
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2
	having resourceType attribute RESOURCE_TYPE_2
]}

Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and Resource Type set to 9 (group) and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	IUT ← AE
	then { the IUT creates the group resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) and Content containing group resource containing memberTypeValidated attribute set to TRUE and memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1 }	IUT → AE
	ESOURCE_ADDRESS : <csebase>, <remotecse> RESOURCE_ADDRESS : any oneM2M resource type.</remotecse></csebase>	

TP ld	TP/oneM2M/CSE/GMG/CRE/007	
Test objective	Check that the IUT handles unsuccessful validation of the resource type during the creation of	
	the group resource when memberType attribute is not 'mixed' and the consistencyStrategy	
	attribute is ABANDON_GROUP.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.2, ETSI TS 118 104 [2], clause 7.4.14.2.1	
Parent Release	Release 1	
Config Id	CF01	
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 at TARGET_RESOURCE_ADDRESS allow	ing
	a child resource type <group></group>	
	and the AE having privileges to perform CREATE operation on the	
	TARGET_RESOURCE_ADDRESS	v de a
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	iving
	resourceType attribute RESOURCE_TYPE_1 and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 have	wing
		iving
	resourceType attribute RESOURCE_TYPE_2	
Expected behaviour	Test events Direct	
	when {	2000
	the IUT receives a valid CREATE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	Resource Type set to 9 (group) and	
	From set to AE-ID and	
	Content containing	
	group resource containing	IUT ← AE
	memberIDs attribute set to	
	MEMBER_RESOURCE_ADDRESS_1,	
	MEMBER_RESOURCE_ADDRESS_2 and	
	memberType attribute set to RESOURCE_TYPE_1 and	
	consistencyStrategy attribute set to ABANDON_GROUP	
	}	
	then {	
	the IUT does not create the group resource	
	the IUT does not create the group resource and the IUT sends a valid Response containing	IUT → AE
	the IUT does not create the group resource and the IUT sends a valid Response containing Response Status Code set to 4110	IUT → AE
	the IUT does not create the group resource and the IUT sends a valid Response containing	IUT → AE
NOTE: TARGET R	the IUT does not create the group resource and the IUT sends a valid Response containing Response Status Code set to 4110 (GROUP_MEMBER_TYPE_INCONSISTENT) }	IUT → AE
	the IUT does not create the group resource and the IUT sends a valid Response containing Response Status Code set to 4110	IUT → AE

7.2.2.5.2 UPDATE Operation

TP/oneM2M/CSE/GMG/UPD/001

TP Id	TD/opeNOM/CCF/CMC/LIDD/004			
	TP/oneM2M/CSE/GMG/UPD/001			
Test objective	Check that the IUT rejects the update of the group resource when the memberType cannot be			
	retrieved due to lack of privilege.			
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.3.13			
Parent Release	Release 1			
Config Id	CF01			
PICS Selection	PICS_CSE			
Initial conditions	with {			
	the IUT being in the "initial state"			
	and the IUT having a resource PARENT_RESOURCE_ADDRESS allowing	9		
	the AE to perform UPDATE operation			
	and the sub-group members being in the "inital state"			
	and the AE not having privileges to perform RETRIEVE operation on the sub-group			
	members			
	}			
Expected behaviour	Test events	Direction		
	when { the IUT receives a valid UPDATE Request from AE containing To set to PARENT_RESOURCE_ADDRESS and Resource Type set to RESOURCE_TYPE and From set to AE-ID and Content containing group resource representation }	IUT ← AE		
	then { the IUT sends a valid valid Response containing Response Status Code set to 5105 (NO_PRIVILEGE) }	IUT → AE		

TP/oneM2M/CSE/GMG/UPD/002

TP/oneM2M/CSE/GMG/UPD/002	
Check that the IUT detects the presence of duplicate member IDs during an update of the	
<group> resource and removes the duplicate member IDs prior to updating the <group></group></group>	
resource.	
ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release 1	
fig ld CF01	
PICS_CSE	
Initial conditions with {	
the IUT being in the "initial state"	
	ADDRESS
and the IUT having created a resource at MEMBER_RESOURCE_ADDRE	SS_2
}	
1001010110	Direction
	IUT ← AE
MEMBER_RESOURGE_ADDRESS_2	
than (
	IUT → AF
	IOI / AL
	Check that the IUT detects the presence of duplicate member IDs during an upon serious and removes the duplicate member IDs prior to updating the resource. ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4 Release 1 CF01 PICS_CSE with {

TP Id	TP/oneM2M/CSE/GMG/UPD/003	
Test objective	Check that the IUT validates the resource type during an UPDATE of the <grou< th=""><th>p> resource</th></grou<>	p> resource
	when memberType attribute is not 'mixed'.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1	
	memberType attribute set to RESOURCE_TYPE_1	
	and the AE having privileges to perform UPDATE operation on the	
	TARGET_RESOURCE_ADDRESS	_
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	aving
	resourceType attribute RESOURCE_TYPE_1	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 ha	iving
	resourceType attribute RESOURCE_TYPE_1	
	h	
Expected behaviour	}	Direction
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_2 }	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_2 } then {	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) Content containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) Content containing	IUT ← AE

TP ld	TP/oneM2M/CSE/GMG/UPD/004	
Test objective	Check that the IUT handles unsuccessful validation of the resource type during	an UPDATE of
	the <group> resource when memberType attribute is not 'mixed' and the consist</group>	encvStrategy
	attribute is SET_MIXED.	3, 2, 2, 3, 3,
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1 and	
	memberType attribute set to RESOURCE_TYPE_1 and	
	memberTypeValidated attribute set to TRUE and	
	consistencyStrategy attribute set to SET_MIXED	
	and the AE having privileges to perform UPDATE operation on the TARGET_RESOURCE_ADDRESS	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	wing
	resourceType attribute RESOURCE_TYPE_1	iving
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 ha	vina
	resourceType attribute RESOURCE_TYPE_2	· • · · · · · · · · · ·
	}	
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-ID and	
	Content containing	IUT ← AE
	group resource containing	101 C AL
	memberIDs attribute set to	
	MEMBER_RESOURCE_ADDRESS_1,	
	MEMBER_RESOURCE_ADDRESS_2	
	then {	
	the IUT updates the group resource	
	and the IUT sends a valid Response containing	
	Response Status Code set to 2004 (UPDATED) and	
	Content containing	IUT → AE
	group resource containing	
	memberTypeValidated attribute set to TRUE and	
	memberType attribute set to MIXED	
	}	

TP ld	TP/oneM2M/CSE/GMG/UPD/005	
Test objective	Check that the IUT handles unsuccessful validation of the resource type during	an UPDATE of
-	the group resource when memberType attribute is not 'mixed' and the consisten	cyStrategy
	attribute is ABANDON_MEMBER.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1 and	
	memberType attribute set to RESOURCE_TYPE_1 and	
	memberTypeValidated attribute set to TRUE and	
	consistencyStrategy attribute set to ABANDON_MEMBER	
	and the AE having privileges to perform UPDATE operation on the	
	TARGET_RESOURCE_ADDRESS	viln a
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	iving
	resourceType attribute RESOURCE_TYPE_1 and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 ha	wing
	resourceType attribute RESOURCE_TYPE_2	ivilig
	TesourceType attribute RESOURCE_TTPE_2	
	\. · · · · · · · · · · · · · · · · · · ·	
Expected behaviour	} Test events	Direction
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing group resource containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing group resource containing memberTypeValidated attribute set to TRUE and	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing group resource containing memberTypeValidated attribute set to TRUE and memberIDs attribute set to	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) and Content containing group resource containing memberTypeValidated attribute set to TRUE and	IUT ← AE

Test objective Check that the IUT handles unsuccessful validation of the resource type during the creation of the group resource when memberType attribute is not 'mixed' and the consistencyStrategy attribute is ABANDON_GROUP. Reference ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4 Release Config Id 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 group resource at TARGET_RESOURCE_ADDRESS containing
attribute is ABANDON_GROUP. Reference ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4 Parent Release Release 1 Config Id CF01 PICS Selection PICS_CSE Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
Reference ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4 Parent Release Release 1 Config Id CF01 PICS Selection PICS_CSE Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
Parent Release Release 1 Config Id CF01 PICS Selection PICS_CSE Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
Config Id CF01 PICS Selection PICS_CSE Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
PICS_CSE Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
Initial conditions with { the IUT being in the "initial state" and the IUT having registered the AE
the IUT being in the "initial state" and the IUT having registered the AE
and the IUT having registered the AE
and the ILIT having a group resource at TAPGET RESOURCE ADDRESS containing
memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1 and
memberType attribute set to RESOURCE_TYPE_1 and
memberTypeValidated attribute set to TRUE and
consistencyStrategy attribute set to ABANDON_GROUP
and the AE having privileges to perform UPDATE operation on the
TARGET_RESOURCE_ADDRESS
and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 having
resourceType attribute RESOURCE_TYPE_1
and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 having
resourceType attribute RESOURCE_TYPE_2
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-ID and
Content containing
group resource containing IUT ← AE
memberIDs attribute set to
MEMBER_RESOURCE_ADDRESS_1,
MEMBER_RESOURCE_ADDRESS_2
then {
the IUT updates the group resource
and the IUT sends a valid Response containing IUT → AE
Response Status Code set to 2004 (UPDATED)
}

TP ld	TP/oneM2M/CSE/GMG/UPD/007	
Test objective	Check that the IUT detects when the number of memberIDs exceeds the limitati	on of
	maxNrOfMembers.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,	
	MEMBER_RESOURCE_ADDRESS_2 and	
	maxNrOfMembers attribute set to 2	
	and the AE having privileges to perform UPDATE operation on the	
	TARGET_RESOURCE_ADDRESS and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 have	wing
	resourceType attribute set to RESOURCE_TYPE_1	aving
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 ha	wing
	resourceType attribute set to RESOURCE_TYPE_1	iving
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_3 ha	avina
	and the for maring a resource at MEMBER_RESOURCE_REDIRESO_5 me	
	resourceType attribute set to RESOURCE TYPE 1	9
	resourceType attribute set to RESOURCE_TYPE_1	9
Expected behaviour	resourceType attribute set to RESOURCE_TYPE_1 } Test events	Direction
Expected behaviour	}	
Expected behaviour	} Test events	
Expected behaviour	} Test events when {	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing	
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2,	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2, MEMBER_RESOURCE_ADDRESS_3 } then { the IUT does not update the group resource	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2, MEMBER_RESOURCE_ADDRESS_3 } then { the IUT does not update the group resource and the IUT sends a valid Response containing	Direction
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2, MEMBER_RESOURCE_ADDRESS_3 } then { the IUT does not update the group resource and the IUT sends a valid Response containing Response Status Code set to 6010	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2, MEMBER_RESOURCE_ADDRESS_3 } then { the IUT does not update the group resource and the IUT sends a valid Response containing	Direction IUT ← AE

TP Id	TP/oneM2M/CSE/GMG/UPD/008	
Test objective	Check that the IUT detects when the value provided for maxNrOfMembers attrib	ute is less than
-	the value of the currentNrOfMembers attribute.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,	
	MEMBER_RESOURCE_ADDRESS_2,	
	MEMBER_RESOURCE_ADDRESS_3 and	
	maxNrOfMembers attribute set to 3	
	and the AE having privileges to perform UPDATE operation on the TARGET RESOURCE ADDRESS	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	vina
	resourceType attribute set to RESOURCE_TYPE_1	Villy
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_2 ha	vina
	resourceType attribute set to RESOURCE_TYPE_1	9
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_3 ha	ving
	resourceType attribute set to RESOURCE_TYPE_1	
	}	
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-ID and	IUT ← AE
	Content containing group resource containing	
	maxNrOfMembers attribute set to 2	
	} (t) (
	then {	
	the IUT does not update the group resource and the IUT sends a valid Response containing	
	Response Status Code set to 6010	$IUT \rightarrow AE$
	(MAX_NUMBER_OF_MEMBER_EXCEEDED)	
	U .	

TP Id TP/oneM2M/CSE/GMG/UPD/009

Test objective	Check that the IUT handles validation of the resource type during an UPDATE of	of the <aroup></aroup>
	resource when memberIDs contains a sub-group on a temporarily unreachable	
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4	<u> </u>
Parent Release	Release 1	
Config Id	CF02	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered to the remoteCSE	
	and the IUT having registered the AE	
	and the IUT having a group resource at TARGET_RESOURCE_ADDRESS	containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1and	_
	memberType attribute set to RESOURCE_TYPE_1 and	
	memberTypeValidated attribute set to TRUE and	
	consistencyStrategy attribute set to ABANDON_MEMBER	
	and the AE having privileges to perform UPDATE operation on the	
	TARGET_RESOURCE_ADDRESS	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 ha	aving
	resourceType attribute set to RESOURCE_TYPE_1	
	and the remoteCSE having a group resource at MEMBER_RESOURCE_A	DDRESS_2
	containing	
	memberType attribute set to RESOURCE_TYPE_1	
	and the remoteCSE having onlineStatus set to False	
	()	
Expected behaviour	Test events	Direction
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 }	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then {	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED)	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) Content containing group resource containing	
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 } then { the IUT updates the group resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) Content containing group resource containing memberTypeValidated attribute set to FALSE and memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,	IUT ← AE
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Content containing group resource containing memberIDs attribute set to	IUT ← AE

TP ld	TP/oneM2M/CSE/GMG/UPD/010
Test objective	Check that the IUT handles validation of the resource type during an UPDATE of the group
	resource when memberIDs contains a sub-group on a a previously unreachable Hosting CSE
	that has become reachable
Reference	ETSI TS 118 101 [1], clause 10.2.7.4, ETSI TS 118 104 [2], clause 7.4.14.2.4
Parent Release	Release 1
Config Id	CF01
PICS Selection	PICS_CSE
Initial conditions	with {
	the IUT being in the "initial state"
	and the IUT having registered to the remoteCSE
	and the IUT having registered the AE
	and the IUT having a group resource at TARGET_RESOURCE_ADDRESS containing
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1,
	MEMBER_RESOURCE_ADDRESS_2 and
	memberType attribute set to RESOURCE_TYPE_1 and
	memberTypeValidated attribute set to FALSE and
	consistencyStrategy attribute set to ABANDON_MEMBER
	and the AE having privileges to perform UPDATE operation on the
	TARGET_RESOURCE_ADDRESS
	and the AE having a subscription to TARGET_RESOURCE_ADDRESS
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS_1 having resourceType attribute set to RESOURCE_TYPE_1
	and the remoteCSE having a group resource at MEMBER_RESOURCE_ADDRESS_2 containing
	memberType attribute set to RESOURCE_TYPE_2
	and the remoteCSE having onlineStatus set to False
	and the remotedor maying onlineotatus set to raise
	LI L

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Expected behaviour	Test events	Direction
	when { the IUT receives a valid UPDATE Request from remoteCSE containing To set to REMOTE_CSE_ADDRESS and From set to CSE-ID and Content containing remoteCSE resource containing onlineStatus attribute set to TRUE }	IUT ← AE
	then { the IUT sends a NOTIFY Request containing Content containing group resource containing memberTypeValidated attribute set to TRUE and memberIDs attribute set to MEMBER_RESOURCE_ADDRESS_1, MEMBER_RESOURCE_ADDRESS_2 }	IUT → AE

7.2.2.5.3 RETRIEVE Operation

TP/oneM2M/CSE/GMG/RET/001

TP ld	TP/oneM2M/CSE/GMG/RET/001	
Test objective	Check that the IUT performs a RETRIEVE request for each resource in member	IDs with a
	relative address appended to fanOutPoint that includes a virtual resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	
	membersAccessControlPolicyIDs attribute set to ACP_RESOURCE_ID i	ndicating to
	allow the AE privileges to perform RETRIEVE operation and	
	memberType attribute set to 3 (container) and	
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS1, MEMBER_RESOURCE_ADDRESS2	
	WEWBER_RESOURCE_ADDRESS2	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1 corresourceType attribute set to container and and the IUT having a resource at MEMBER_RESOURCE_ADDRES resourceType attribute set to container and and MEMBER_RESOURCE_ADDRESS1 and MEMBER_RESOURCE	S2 containing
	containing	
	a child resource containing	
	resourceType attribute set to contentInstance	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to ARGET_RESOURCE_ADDRESS/fopt/NAME/la and From set to AE-ID }	IUT ← AE
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2000 (OK) and	
	Content containing	IUT → AF
	aggregatedResponse message containing	IUI / AL
	Response for MEMBER_RESOURCE_ADDRESS1/NAME/la, Response for MEMBER_RESOURCE_ADDRESS2/NAME/la	
	[f	

7.2.2.5.4 BASIC OPERATION

TP ld	TP/oneM2M/CSE/GMG/001	
Test objective	Check that the IUT allows a <group>/fanoutPoint OPERATION when the Original</group>	
	OPERATION_PERMISSION specified in membersAccessControlPolicyIDs attrib	oute in the group
	resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	
	membersAccessControlPolicyIDs attribute set to allow the AE to perform	n OPERATION
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2	
	_	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID }	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then {	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse containing Response for MEMBER_RESOURCE_ADDRESS1,	IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse containing	IUT ← AE

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/GMG/001_CRE	CREATE	2000 (OK)
TP/oneM2M/CSE/GMG/001_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/GMG/001_UPD	UPDATE	2000 (OK)
TP/oneM2M/CSE/GMG/001_DEL	DELETE	2000 (OK)

TP Id	TP/oneM2M/CSE/GMG/002	
Test objective	Check that IUT denies a <group>/fanOutPoint OPERATION when the Originato</group>	
	OPERATION_PERMISSION specified in membersAccessControlPolicyIDs in the	e group
	resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	
	membersAccessControlPolicyIDs attribute set to ACP_RESOURCE_ID	indicating to
	allow the AE to perform all operations except OPERATION	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS/fopt and	IUT ← AE
	From set to AE-ID	
)	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 4103	IUT → AE
	(ORIGINATOR_HAS_NO_PRIVILEGE)	
)	

TP ld	OPERATION
TP/oneM2M/CSE/GMG/002_CRE	CREATE
TP/oneM2M/CSE/GMG/002_RET	RETRIEVE
TP/oneM2M/CSE/GMG/002_UPD	UPDATE
TP/oneM2M/CSE/GMG/002 DEL	DELETE

TP Id	TP/oneM2M/CSE/GMG/003	
Test objective	Check that the IUT allows a <group>/fanoutPoint OPERATION when the Original</group>	ator has
	OPERATION_PERMISSION specified in accessControlPolicyIDs and the	
	membersAccessControlPolicyIDs is empty in the <group> resource.</group>	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	membersAccessControlPolicyIDs attribute set to empty and	
	accessControlPolicyIDs attribute set to ACP_RESOURCE_ID indicating	g to allow the
	AE privileges to perform OPERATION	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2	
Formante dibahardaran	Tool counts	Discotion
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request from AE containing	U.T. (A.E.
	To set to TARGET_RESOURCE_ADDRESS/fopt and	IUT ← AE
	From set to AE-ID	
	} than (
	then {	
	the IUT sends a valid Response containing Response Status Code set <i>RESPONSE_STATUS_CODE</i>	
	Content containing	
	aggregatedResponse message containing	$IUT \rightarrow AE$
	ayyieyaleui\esponse iilessaye containiiy	
	Response for MEMBER_RESOURCE_ADDRESS1,	

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/GMG/003_CRE	CREATE	2000 (OK)
TP/oneM2M/CSE/GMG/003_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/GMG/003_UPD	UPDATE	2000 (OK)
TP/oneM2M/CSE/GMG/003 DEL	DELETE	2000 (OK)

TP ld	TP/oneM2M/CSE/GMG/004	
Test objective	Check that IUT rejects a <group>/fanOutPoint OPERATION when the Originato</group>	r does not have
	OPERATION_PERMISSION specified in accessControlPolicyIDs and the	
	membersAccessControlPolicyIDs is empty in the group resource.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS	containing
	membersAccessControlPolicyIDs attribute set to empty and	
	accessControlPolicyIDs attribute set to ACP_RESOURCE_ID indicating	to allow the
	AE privileges to perform all operations except OPERATION	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS/fopt and	IUT ← AE
	From set to AE-ID	
	 }	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 4103	$IUT \rightarrow AE$
	(ORIGINATOR_HAS_NO_PRIVILEGE)	
	<u> </u>	

TP Id	OPERATION
TP/oneM2M/CSE/GMG/004_CRE	CREATE
TP/oneM2M/CSE/GMG/004_RET	RETRIEVE
TP/oneM2M/CSE/GMG/004_UPD	UPDATE
TP/oneM2M/CSE/GMG/004_DEL	DELETE

TP Id	TP/oneM2M/CSE/GMG/005	
Test objective	Check that IUT performs an OPERATION request for each resource in member	IDs with no
	relative address appended to it.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 <group> resource at TARGET_RESOURCE_ADDRE.</group>	
	membersAccessControlPolicyIDs attribute set to allow the AE privileges	to perform
	CREATE and	
	memberType attribute set to AE AE and	
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS1,	
	MEMBER_RESOURCE_ADDRESS2	tolping.
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1 cor resourceType set to AE	itaining
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2 con	staining
		itaiiiiig
	resourceType set to AF	
	resourceType set to AE	
Expected behaviour	}	Direction
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing	Direction
Expected behaviour	Test events when {	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation }	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then {	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing	
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse message containing	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse message containing Response for MEMBER_RESOURCE_ADDRESS1 and	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid CREATE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID and Resource Type set to 3 (container) and Content containing container resource representation } then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE and Content containing aggregatedResponse message containing	IUT ← AE

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/GMG/005_CRE	CREATE	2000 (OK)
TP/oneM2M/CSE/GMG/005_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/GMG/005_UPD	UPDATE	2000 (OK)
TP/oneM2M/CSE/GMG/005_DEL	DELETE	2000 (OK)

TP Id	TP/oneM2M/CSE/GMG/006	
Test objective	Check that IUT perfomrs an OPERATION request for each resource in member	rIDs with a
	relative address appended to it.	
Reference	ETSI TS 118 101 [1], clause 10.2.7.7	
Parent Release	Release 1	
Config Id	CF01	
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 <group> resource at TARGET_RESOURCE_ADDRES</group>	
	membersAccessControlPolicyIDs attribute set to allow the AE privileges	to
	perform CREATE and	
	memberType attribute set to AE and	
	memberIDs attribute set to MEMBER_RESOURCE_ADDRESS1,	
	MEMBER_RESOURCE_ADDRESS2	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1 con	ntaining
	resourceType attribute set to AE	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2 con	ntaining
	resourceType attribute set to AE	
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS1 con	ntaining
	resourceType attribute set to container and	
	resourceName attribute set to NAME	4
	and the IUT having a resource at MEMBER_RESOURCE_ADDRESS2 con	itaining
	resourceType attribute set to container and	
	resourceName attribute set to NAME	
Funcated behavious	Tool overte	Direction
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid CREATE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS/fopt/NAME and From set to AE-ID and	U.T. / A.F.
		IUT ← AE
	Content containing	
	contentInstance resource representation	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to RESPONSE_STATUS_CODE and	
	Content containing	
	aggregatedResponse message containing	$IUT \rightarrow AE$
	Response for MEMBER_RESOURCE_ADDRESS1 and	
	Response for MEMBER_RESOURCE_ADDRESS2	
	}	
L	ען	

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/GMG/006_CRE	CREATE	2000 (OK)
TP/oneM2M/CSE/GMG/006_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/GMG/006_UPD	UPDATE	2000 (OK)
TP/oneM2M/CSE/GMG/006_DEL	DELETE	2000 (OK)

TP Id	TP/oneM2M/CSE/GMG/007	
Test objective	Check that the IUT denies a <group>/fanOutPoint RETRIEVE when there is no</group>	memberID in
	<pre><group> resource.</group></pre>	
Reference	ETSI TS 118 104 [2], clause 7.4.14.2.4	
Parent Release	Release 1	
Config Id	CF01	
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 group resource at TARGET_RESOURCE_ADDRESS membersAccessControlPolicyIDs attribute set to ACP_RESOURCE_ID i allow the AE to perform all operations and no memberID attribute }	
Expected behaviour	Test events	Direction
		Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS/fopt and From set to AE-ID } then {	IUT ← AE

7.2.2.6 Discovery (DIS)

7.2.2.6.1 RETRIEVE Operation

TP ld	TP/oneM2M/CSE/DIS/001	
Test objective	Check that the IUT returns successfully a list all discovered resource addresses	
Reference	ETSI TS 118 101 [1], clause 10.2.6, ETSI TS 118 104 [2], clause 7.2.3.13	
Parent Release	Release 1	
Config Id	CF01	
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 container resource TARGET_RESOURCE_ADDRES	S containing
	a child resource and	_
	the AE having privileges to perform DISCOVERY operation	
]	
Expected behaviour	Test events	Expected
		behaviour
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE_ID and	
	Filter Criteria containing	
	filterUsage set to 1 (Discovery Criteria)	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2000 (OK) and	
	Content containing	
	URIList representation	
	 }	

TP Id	TP/oneM2M/CSE/DIS/002	
Test objective	Check that the IUT returns successfully appropriate list of discovered resource v	vhen the filter
	criteria is provided in the request	
Reference	ETSI TS 118 101 [1], clause 8.1.3 and clause 10.2.6, ETSI TS 118 104 [2], clau	se 7.2.3.13
Parent Release	Release 1	
Config Id	CF01	
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 container resource TARGET_RESOURCE_ADDRES	S containing
	a child resource and	
	the AE having privileges to perform RETRIEVE operation	
	1	
	I	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	Direction
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) }	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then {	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	IUT ← AE
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE

TP ld	TP/oneM2M/CSE/DIS/003	
Test objective	Check that the IUT returns the empty address list when no result matching with	filter criteria is
	discovered	
Reference	ETSI TS 118 101 [1], clause 8.1.3 and clause 10.2.6, ETSI TS 118 104 [2], clau	se 7.2.3.13
Parent Release	Release 1	
Config Id	CF01	
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 container resource TARGET_RESOURCE_ADDRES	S containing
	a child resource and	
	the AE having privileges to perform RETRIEVE operation	
	and FILTER_CRITERIA_CONDITIONS not being applicable to the IUT	
Eveneted behaviour	Toot events	Eveneted
Expected behaviour	Test events	Expected
Expected behaviour		Expected behaviour
Expected behaviour	when {	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) }	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then {	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	

TP ld	TP/oneM2M/CSE/DIS /004	
Test objective	Check that the IUT returns successfully a list of discovered resource addresses	
	hierarchical addressing form when the Discovery Result Type is provided in the	
Reference	ETSI TS 118 101 [1], clause 8.1.3 and clause 10.2.6, ETSI TS 118 104 [2], clau	se 7.2.3.13
Config Id	CF01	
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 container resource TARGET_RESOURCE_ADDRES	S containing
	a child resource and	
	the AE having privileges to perform DISCOVERY operation	
	<u> </u>	
Expected behaviour	Test events	Expected behaviour
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE-ID and	
	Discovery Result Type set to 2 (unstructured) and	
	Filter Criteria containing	
	filterUsage set to 1 (Discovery Criteria)	
	}	
	then {	
	the IUT sends a valid Response containing	
	Response Status Code set to 2000 (OK) and	
	Content containing	
	URIList representation containing unstructured addresses of discovered resources	
	}	

TP Id	TP/oneM2M/CSE/DIS/005	
Test objective	Check that the IUT rejects the discovery requests to the resource	
1001 05,001110	TARGET_RESOURCE_ADDRESS when AE has no privilege to perform the dis	covery request
	for the resource TARGET_RESOURCE_ADDRESS	loovery request
Reference	ETSI TS 118 101 [1], clause 10.2.6.2 and clause 7.2.3.14, ETSI TS 118 104 [2]	clause 7 3 3 1/
Parent Release	Release 1	, clause 1.5.5.14
Config Id	CF01	
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 no privileges to perform RETRIEVE operation on the	resource
	TARGET_RESOURCE_ADDRESS	
	17 11 (OE 1_1 12 OO O 1 (OE _ 7 12 D) (12 O O	
	}	
Expected behaviour	} Test events	Direction
Expected behaviour	}	Direction
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing filterUsage set to 1 (Discovery Criteria) }	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing filterUsage set to 1 (Discovery Criteria) } then {	IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing	
Expected behaviour	Test events when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing filterUsage set to 1 (Discovery Criteria) } then {	IUT ← AE

TP Id	TP/oneM2M/CSE/DIS/006	
Test objective	Check that the IUT responds with an error when the AE sends requests to discontant TARGET_RESOURCE_ADDRESS which does not exist in the Hosting CSE	over the resource
Reference	ETSI TS 118 101 [1], clause 10.2.6.2, ETSI TS 118 104 [2], clause 7.3.3.14	
Config Id	CF01	
Parent Release	Release 1	
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 not yet created a containe resource	
	TARGET_RESOURCE_ADDRESS	
]	
Expected behaviour	Test events	Expected behaviour
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Filter Criteria containing filterUsage set to 1 (Discovery Criteria) } then { the IUT sends a valid Response containing Response Status Code set to 4004 (NOT_FOUND)	

TP Id	TP/oneM2M/CSE/DIS/007	
Test objective	Check that the IUT responds the originator with an error when the originator sen	ds a request
	including an invalid format of filter criteria to discover the resource	
	TARGET_RESOURCE_ADDRESS	
Reference	ETSI TS 118 101 [1], clause 10.2.6, ETSI TS 118 104 [2], clause 7.3.3.6	
Parent Release	Release 1	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the originator AE	
	and the IUT having a container resource TARGET_RESOURCE_ADDRES	S containing
	a child resource and	
	the AE having privileges to perform DISCOVERY operation	
	the AE having privileges to perform DISCOVERY operation }	
Expected behaviour		Expected
Expected behaviour	the AE having privileges to perform DISCOVERY operation } Test events	Expected behaviour
Expected behaviour	the AE having privileges to perform DISCOVERY operation }	

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TP ld	TP/oneM2M/CSE/DIS/008	
Test objective	Check that the IUT responds the originator with an error when the originator sen	
	discover the resource TARGET_RESOURCE_ADDRESS including two conflicts	
	of different type FILTER_CRITERIA_CONDITION_1 and FILTER_CRITERIA_C	ONDITION_2
	(E.G. createBefore < createdAfter)	
Reference	ETSI TS 118 101 [1], clause 6.2.5, ETSI TS 118 104 [2], clause 7.3.3.17	
Parent Release	Release 1	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the originator AE	
	and the IUT having a container resource TARGET_RESOURCE_ADDRESS co	ontaining
	a child resource and	
	the AE having privileges to perform RETRIEVE operation	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	To set to TARGET_RESOURCE_ADDRESS and	
	From set to AE_ID and	IUT ← AF
	Filter Criteria containing	101 (7.2
	filterUsage set to 1 (Discovery Criteria) and	
	having conflict conditions	
	}	
	then {	
	the IUT sends a valid Response containing	IUT → AE
	Response Status Code set to 4102 (CONTENTS_UNACCEPTABLE)	
	 }	

TP Id	REQ Reference	FILTER_CRITERIA	FILTER_CRITERIA
11 10	INE W INCICIONOC	_CONDITION_1	_CONDITION_2
TP/oneM2M/CSE/DIS/008_CRB/CRA	REQ-0004-07241	createdBefore	createdAfter
TP/oneM2M/CSE/DIS/008_MS/US	REQ-0004-07242	unmodifiedSince	modifiedSince
TP/oneM2M/CSE/DIS/008_STS/STB	REQ-0004-07243	stateTagSmaller	stateTagBigger
TP/oneM2M/CSE/DIS/008_EXB/EXA	REQ-0004-07244	expireBefore	expireAfter

TP ld	TP/oneM2M/CSE/DIS/009	
Test objective	Check that the IUT returns the empty address list when resources match the filter	er criteria but
	they do not include DISCOVERY permission.	
Reference	ETSI TS 118 101 [1], clause 9.6.2.3 and clause 10.2.6, ETSI TS 118 104 [2], clause	ause 7.2.3.13
Parent Release	Release 1	
Config Id	CF01	
PICS Selection	PICS_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the IUT having a resource TARGET_RESOURCE_ADDRESS not allo the AE to perform DISCOVERY operation and FILTER_CRITERIA_CONDITIONS being applicable to the IUT }</pre>	wing
Expected behaviour	Test events	Direction
	when { the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and Filter Criteria set to FILTER_CRITERIA_CONDITIONS containing filterUsage set to 1 (Discovery Criteria) }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing URIList element set to empty list	IUT → AE

7.2.2.7 Communication Management and Delivery Handling(CMDH)

7.2.2.7.1 Resource pollingChannel (PCH)

TP Id	TP/oneM2M/CSE/PCH/001	
Test objective	Check that the IUT which hosts <pollingchannel> resource forwards a Noti</pollingchannel>	
	successfully to a target AE, once the IUT receives a polling request from A	E (retrieve request to
	<pre><pollingchanneluri> resource)</pollingchanneluri></pre>	
	See the note below.	
Reference	ETSI TS 118 101 [1], clause 10.2.13.6, ETSI TS 118 104 [2], clause 7.4.22	2.2.2
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered an AE1	
	and the AE having a child <pollingchannel> resource</pollingchannel>	
	and the IUT having received a retrieve request from the AE containing	ıg
	To set to POLLINGCHANNELURI_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a NOTIFY Request from the CSE containing	UIT (00F
	To set to AE_RESOURCE_ADDRESS and	IUT ← CSE
	From set to CSE_ID }	
	then {	
	the IUT sends a RETRIEVE Response to the AE containing	
	Response Status Code set to 2000 (OK)	
	Content containing	IUT → AE
	the request received from the CSE	
	}	
NOTE: Based on fig	gure 10.2.13.1-1 in ETSI TS 118 101 [1] step 001, 002 and 003 in order.	
	, IUT is pending AE's polling request since there was no request to AE.	

TP Id	TP/oneM2M/CSE/PCH/002	
Test objective	Check that the IUT which hosts <pollingchannel> resource forwards a Noti</pollingchannel>	fy request
	successfully to a target AE, once the IUT receives a polling request from th	e AE
Reference	ETSI TS 118 101 [1], clause 10.2.13.6, ETSI TS 118 104 [2], clause 7.4.22	.2.2
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered an AE	
	and the AE having a child <pollingchannel> resource</pollingchannel>	
	and the IUT having received a NOTIFY Request from CSE containin	g
	To set to AE_RESOURCE_ADDRESS and	
	From set to CSE_ID	
	}	
Expected behaviour	} Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing	
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS }	
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then {	
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing	
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing Response Status Code set to 2000 (OK)	IUT ← AE
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing Response Status Code set to 2000 (OK) Content containing	
Expected behaviour	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing Response Status Code set to 2000 (OK)	IUT ← AE
	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing Response Status Code set to 2000 (OK) Content containing the Request received from the CSE }	IUT ← AE
NOTE: Based on fig	when { the IUT receives a retrieve Request from the AE containing To set to POLLINGCHANNELURI _RESOURCE_ADDRESS } then { the IUT sends a Response to the AE containing Response Status Code set to 2000 (OK) Content containing	IUT ← AE IUT → AE

TP Id	TP/oneM2M/CSE/PCH/003	
Test objective	Check that the IUT performs both forwarding the response to the CSE and sending response to AE after receiving a Notify Request from the AE sent to the <pollingchanneluri> resource</pollingchanneluri>	
Deference		
Reference	ETSI TS 118 101 [1], clause 10.2.13.8, ETSI TS 118 104 [2], clause 7.4.22.2	2
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered an AE	
	and the AE1 having a child <pollingchannel> resource</pollingchannel>	
	and the IUT having received a retrieve Request from the AE containing	3
	To set to POLLINGCHANNELURI_RESOURCE_ADDRESS	
	and the IUT having received a NOTIFY Request from the CSE contain	ing
	To set to AE_RESOURCE_ADDRESS and	
	From set to CSE_ID	
	and the IUT sends a Response to the AE containing	
	Response Status Code set to 2000 (OK)	
	Content containing	
	the Request received from the CSE	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a NOTIFY Request from the AE containing	
	To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and	IUT ← AE
	Content containing	IOI V AL
	Response Status Code set to RESPONSE_STATUS_CODE	
	}	
	then {	
	the IUT sends a Response to the CSE	IUT → CSE
	Response Status Code set to RESPONSE_STATUS_CODE	IUT → CSE
	the IUT sends the valid NOTIFY Response to the AE	IUI 7 ME
	}	
NOTE: Based on fig	gure 10.2.13.1-1 in ETSI TS 118 101 [1] step 005 and 006.	

TP Id	TP/oneM2M/CSE/PCH/004	
Test objective	Check that the IUT which performs polling sends the Notify request to <pollingchanneluri></pollingchanneluri>	
	Hosting CSE after receiving response using polling channel	
Reference	ETSI TS 118 101 [1], clause 10.2.13.8, ETSI TS 118 104 [2], clause 7.4.22.2	2.5
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered to a CSE	
	and the IUT having a <pollingchannel> resource</pollingchannel>	
	and the IUT having sent a retrieve Request to the CSE	
	To set to POLLINGCHANNELURI_RESOURCE_ADDRESS	
	and the CSE having received the Request containing	
	To set to CSE_RESOURCE_ADDRESS and	
	From set to ORIGINATOR_ID	
	From set to ORIGINATOR_ID }	
Expected behaviour	From set to ORIGINATOR_ID } Test events	Direction
Expected behaviour	From set to ORIGINATOR_ID } Test events when {	Direction
Expected behaviour	From set to ORIGINATOR_ID } Test events when { the IUT receives a polling Response from the CSE containing	
Expected behaviour	From set to ORIGINATOR_ID } Test events when {	Direction IUT ← CSE1
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) }	
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then {	
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then { the IUT sends a NOTIFY Request to the CSE containing	
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then { the IUT sends a NOTIFY Request to the CSE containing To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and	
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then { the IUT sends a NOTIFY Request to the CSE containing To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and Content containing	IUT ← CSE1
Expected behaviour	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then { the IUT sends a NOTIFY Request to the CSE containing To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and	IUT ← CSE1
	From set to ORIGINATOR_ID Test events when { the IUT receives a polling Response from the CSE containing Response Status Code set to 2000 (OK) } then { the IUT sends a NOTIFY Request to the CSE containing To set to POLLINGCHANNELURI_RESOURCE_ADDRESS and Content containing	IUT ← CSE1

TP ld	TP/oneM2M/CSE/PCH/005	
Test objective	Check that the IUT rejects a <pollingchannel> OPERATION of the AE when AE-ID is not same</pollingchannel>	
-	as the AE-ID of the parent resource	
Reference	ETSI TS 118 101 [1], clause 10.2.13.2, ETSI TS 118 104 [2], clause 7.4.21	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered an AE1	
	and the IUT having registered an AE2	
	and the IUT having created a pollingChannel resource on the AE1	
	1	
	J .	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and From set to AE2_ID }	
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and From set to AE2_ID } then {	
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and From set to AE2_ID } then { the IUT sends a valid Response containing	IUT ← AE2
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and From set to AE2_ID } then { the IUT sends a valid Response containing Response Status Code set to 4103	
Expected behaviour	when { the IUT receives a valid OPERATION Request from the AE2 containing To set to POLLING_CHANNEL_RESOURCE_ADDRESS and From set to AE2_ID } then { the IUT sends a valid Response containing	IUT ← AE2

TP Id	Reference	OPERATION
TP/oneM2M/CSE/PCH/005_RET	ETSI TS 118 101 10.2.13.3	RETRIEVE
TP/oneM2M/CSE/PCH/005_UPD	ETSI TS 118 101 10.2.13.4	UPDATE
TP/oneM2M/CSE/PCH/005_DEL	ETSI TS 118 101 10.2.13.5	DELETE

TP Id	TP/oneM2M/CSE/PCH/006	
Test objective	Check that the IUT sends the response with a status to the CSE1 when the r	equest expires
	according to its Request Expiration Timestamp	
Reference	ETSI TS 118 101 [1], clause 10.2.13.6	
Config Id	CF02	
Parent Release	Release 2	
PICS Selection	PICS_PCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered an AE	
	and the AE having a child <pollingchannel> resource</pollingchannel>	
	and the IUT having received a RETRIEVE Request from AE containing	a
		Request Expiration
	Timestamp set to VALUE	
	<u> </u>	
Expected behaviour	Test events	Direction
	when {	
	When {	IUT
		IUT
		IUT
	Request Expiration Timestamp expires } then {	-
	Request Expiration Timestamp expires } then { and the IUT sends a Response to the AE containing	IUT IUT → AE
	Request Expiration Timestamp expires } then {	-

7.2.2.7.2 Response Type (RT)

7.2.2.7.2.1 nonBlockingRequestSynch (NBS)

TP/oneM2M/CSE/RT/NBS/001

TP Id	TP/oneM2M/CSE/RT/NBS/001	
Test objective	Check that the IUT rejects a Non-Blocking Synchronous Request OPERATION	if the IUT does
	not support the <request> resource</request>	
Reference	ETSI TS 118 101 [1], clause 8.2.2.2	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_NON_BLOCKING_REQUEST_SYNCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the Originator having privileges to perform CREATE operation on the re	esource
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	10010100	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 1 (nonBlockingRequestSynch) } then { the IUT sends a valid Response containing Response Status Code set to 5206	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	IUT ← AE

TP Id	OPERATION
TP/oneM2M/CSE/RT/NBS/001_CRE	CREATE
TP/oneM2M/CSE/RT/NBS/001_UPD	UPDATE
TP/oneM2M/CSE/RT/NBS/001_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBS/001_DEL	DELETE

TP/oneM2M/CSE/RT/NBS/002

TP Id	TP/oneM2M/CSE/RT/NBS/002	
Test objective	Check that the IUT responds to a Non-Blocking Synchronous Request OPERATION with the	
•	reference of a <request> resource provided within the Content parameter of the</request>	
Reference	ETSI TS 118 101 [1], clause 8.2.2.1	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_NON_BLOCKING_REQUEST_SYNCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the Originator having privileges to perform OPERATION on the resource	e
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request from AE containing	
	Resource Type set to 3 (container) and	
	To set to TARGET_RESOURCE_ADDRESS and	IUT ← AE
	From set to AE-ID and	
	ResponseType set to 1 (nonBlockingRequestSynch)	
	(the second seco	
	then {	
	and the IUT sends a valid Response containing	
	Response Status Code set to 1001 (ACCEPTED for n	IUT → AF
	onBlockingRequestSynch) and Content containing	IUI 7 AE
	Content containing	
	LIRI attribute set to RECLIEST RESOLIRCE ADDRESS	Ī
	URI attribute set to REQUEST_RESOURCE_ADDRESS	

TP Id	OPERATION
TP/oneM2M/CSE/RT/NBS/002_CRE	CREATE
TP/oneM2M/CSE/RT/NBS/002_UPD	UPDATE
TP/oneM2M/CSE/RT/NBS/002_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBS/002_DEL	DELETE

TP/oneM2M/CSE/RT/NBS/003

TP ld	TP/oneM2M/CSE/RT/NBS/003	
Test objective	Check that the IUT returns successfully the <request> resource after receiving a Non-Blocking</request>	
	Synchronous Request OPERATION and it contains the expected result in opera	ationResult
	attribute	
Reference	ETSI TS 118 101 [1], clause 8.2.2.2	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_NON_BLOCKING_REQUEST_SYNCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the IUT having received a Non-Blocking Synchronous Request OPERA	ATION
	and the IUT having created a resource TARGET_RESOURCE_ADDRESS	of type
	<request> under the AE resource</request>	
	}	
		T
Expected behaviour	Test events	Direction
	huban f	
	when {	
	the IUT receives a valid RETRIEVE Request from AE containing	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest)	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content }	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then {	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing request resource representation containing	IUT ← AE
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing request resource representation containing operationResult attribute containing	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing request resource representation containing	
	the IUT receives a valid RETRIEVE Request from AE containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and ResponseType set to 3 (blockingRequest) no Content } then { the IUT sends a valid Response containing Response Status Code set to 2000 (OK) and Content containing request resource representation containing operationResult attribute containing	

TP Id	OPERATION
TP/oneM2M/CSE/RT/NBS/003_CRE	CREATE
TP/oneM2M/CSE/RT/NBS/003_UPD	UPDATE
TP/oneM2M/CSE/RT/NBS/003_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBS/003_DEL	DELETE

7.2.2.7.2.2 nonBlockingRequestAsynch (NBA)

TP/oneM2M/CSE/RT/NBA/001

TP ld	TP/oneM2M/CSE/RT/NBA/001		
Test objective	Check that the IUT responds to a Non-Blocking Asynchronous Request <i>OPERATION</i> without a		
	reference to a resource containing the context of the request if the IUT does not support the		
	<request> resource</request>		
Reference	ETSI TS 118 101 [1], clause 8.2.2.3		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_NON_BLOCKING_REQUEST_ASYNCH		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the Originator having privileges to perform OPERATION on the resource	e	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
Expected behaviour	when {	Direction	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing	Direction	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and	Direction IUT ← AE	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) }		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) } then {		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) } then { the IUT sends a valid Response containing		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) } then { the IUT sends a valid Response containing Response Status Code set to 1002 (ACCEPTED for		
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) } then { the IUT sends a valid Response containing Response Status Code set to 1002 (ACCEPTED for nonBlockingRequestAsynch) and	IUT ← AE	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 2 (nonBlockingRequestAsynch) } then { the IUT sends a valid Response containing Response Status Code set to 1002 (ACCEPTED for	IUT ← AE	

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TP ld	OPERATION
TP/oneM2M/CSE/RT/NBA/001_CRE	CREATE
TP/oneM2M/CSE/RT/NBA/001_UPD	UPDATE
TP/oneM2M/CSE/RT/NBA/001_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBA/001 DEL	DELETE

TP ld	TP/oneM2M/CSE/RT/NBA/002		
Test objective	Check that the IUT responds to a Non-Blocking Asynchronous Request OPERATION with the		
	reference of a <request> resource provided within the Content parameter of the Response</request>		
Reference	ETSI TS 118 101 [1], clause 8.2.2.2		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_NON_BLOCKING_REQUEST_ASYNCH		
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the Originator having privileges to perform OPERATION on the resource TARGET_RESOURCE_ADDRESS }</pre>	e	
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	IUT ← AE	
	then { and the IUT sends a valid Response containing Response Status Code set to 1002 (ACCEPTED for nonBlockingRequestAsynch) and Content containing URI attribute set to REQUEST_RESOURCE_ADDRESS }	IUT → AE	

TP Id	OPERATION
TP/oneM2M/CSE/RT/NBA/002_CRE	CREATE
TP/oneM2M/CSE/RT/NBA/002_UPD	UPDATE
TP/oneM2M/CSE/RT/NBA/002_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBA/002 DEL	DELETE

TP ld	TP/oneM2M/CSE/RT/NBA/003		
Test objective	Check that the IUT sends the result of the requested Non-Blocking Asynchronous OPERATION		
·	as notification to the Originator when no notification target list is provided		
Reference	ETSI TS 118 101 [1], clause 8.1.2, 8.2.2.2		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_NON_BLOCKING_REQUEST_ASYNCH		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the Originator having privileges to perform OPERATION on the resource	е	
	TARGET_RESOURCE_ADDRESS		
	}		
-	-	D'	
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and		
	To set to TARGET_RESOURCE_ADDRESS and		
	From set to AF-ID and	IUT ← AE	
	ResponseType set to 2 (nonBlockingRequestAsynch)		
	NotificationURI not set		
	Notification of the set		
	then {		
	the IUT sends a valid Response (Ack)		
	and the IUT sends a valid NOTIFY Request containing		
	Content containing	IUT → AF	
	ResponsePrimitive representation indicating the response of the	IUI → AE	
	original Non-Blocking Asynchronous OPERATION containing		
	Response Status Code set to RESPONSE_STATUS_CODE		
	}		

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/RT/NBA/003_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/RT/NBA/003_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/RT/NBA/003_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/RT/NBA/003_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/RT/NBA/004	
Test objective	Check that the IUT does not send the result of the requested Non-Blocking Asynchronous	
	OPERATION as notification to the Originator when an empty notification target list is provided	
Reference	ETSI TS 118 101 [1], clause 8.1.2, 8.2.2.2	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_NON_BLOCKING_REQUEST_ASYNCH	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the Originator having privileges to perform OPERATION on the resource	e
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	100000000	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and	
Expected behaviour	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	
	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	
	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	IUT ← AE
	when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and	

TP ld	OPERATION
TP/oneM2M/CSE/RT/NBA/004_CRE	CREATE
TP/oneM2M/CSE/RT/NBA/004_UPD	UPDATE
TP/oneM2M/CSE/RT/NBA/004_RET	RETRIEVE
TP/oneM2M/CSE/RT/NBA/004 DEL	DELETE

TP ld	TP/oneM2M/CSE/RT/NBA/005		
Test objective	Check that the IUT sends the result of the requested Non-Blocking Asynchronou	is OPERATION	
_	as notification to the notification targets indicated in responseType/notificationURI attribute of		
	the request		
Reference	ETSI TS 118 101 [1], clauses 8.1.2, 8.2.2.2		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection	PICS_NON_BLOCKING_REQUEST_ASYNCH		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE1		
	and the IUT having registered the AE2		
	and the AE1 having privileges to perform OPERATION on the resource		
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid OPERATION Request from AE containing		
	Resource Type set to 3 (container) and		
	To set to TARGET_RESOURCE_ADDRESS and		
	From set to AE-ID and	U.T. / A.F.	
	Response Type parameter containing	IUT ← AE	
	responseTypeValue set to 2 (nonBlockingRequestAsynch) and		
	NotificationURI set to AE1_RESOURCE_ADDRESS and		
	AE2_RESOURCE_ADDRESS		
]		
	then {		
	the IUT sends a valid Response (Ack)		
	and the IUT sends a valid NOTIFY Request containing to AE1	IUT → AE1	
	Content containing		
	ResponsePrimitive representation indicating the response of the		
	original Non-Blocking Asynchronous OPERATION containing	IUT → AE1	
	Response Status Code set to RESPONSE_STATUS_CODE		
	and the IUT sends a valid NOTIFY Request containing to AE2		
	Content containing		
	ResponsePrimitive representation indicating the response of the		
	original Non-Blocking Asynchronous OPERATION containing	IUT → AE2	
	Response Status Code set to RESPONSE_STATUS_CODE		
	}		

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/RT/NBA/005_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/RT/NBA/005_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/RT/NBA/005_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/RT/NBA/005_DEL	DELETE	2002 (DELETED)

7.2.2.7.2.3 BlockingRequest (BR)

TP Id	TP/oneM2M/CSE/RT/BR/001		
Test objective	Check that the IUT responds successfully to a Blocking Request OPERATION		
Reference	ETSI TS 118 101 [1], clause 8.2.1		
Config Id	CF01		
Parent Release	Release 2		
PICS Selection			
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the Originator having privileges to perform OPERATION on the resource	e	
	TARGET_RESOURCE_ADDRESS		
	}		
	}		
Expected behaviour	} Test events	Direction	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request from AE containing Resource Type set to 3 (container) and To set to TARGET_RESOURCE_ADDRESS and From set to AE-ID and ResponseType set to 3 (blockingRequest) }	Direction IUT ← AE	

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/RT/BR/001_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/RT/BR/001_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/RT/BR/001_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/RT/BR/001_DEL	DELETE	2002 (DELETED)

7.2.2.8 Security(SEC)

7.2.2.8.1 CREATE Operation

TP ld	TP/oneM2M/CSE/SEC/ACP/CRE/001	
Test objective	Check that the IUT accepts the creation of a accessControlPolicy resource with privileges	
	attribute having multiple access control rules	p
Reference	ETSI TS 118 101 [1], clause 9.6.2 and clause 10.2.21	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
miliai comunicino	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the AE having privileges to perform CREATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing accessControlPolicy resource containing privileges attribute containing accessControlRule attribute containing ACCESS_CONTROL_RULE_1 and ACCESS_CONTROL_RULE_2 }	IUT ← AE
	then { the IUT creates the accessControlPolicy resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED)	IUT → AE

TP Id	TP/oneM2M/CSE/SEC/ACP/CRE/002	
Test objective	Check that the IUT accepts the creation of a accessControlPolicy resource with selfPrivileges	
	attribute having multiple access control rules	-
Reference	ETSI TS 118 101 [1], clause 9.6.2 and clause 10.2.21	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	<pre>with { the IUT being in the "initial state" and the IUT having registered the AE and the AE having privileges to perform CREATE operation on the resource TARGET_RESOURCE_ADDRESS }</pre>)
Expected behaviour	Test events	Direction
	when { the IUT receives a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing accessControlPolicy resource containing selfPrivileges attribute containing accessControlRule attribute containing ACCESS_CONTROL_RULE_1 and ACCESS_CONTROL_RULE_2 }	IUT ← AE
	then { the IUT creates the accessControlPolicy resource and the IUT sends a valid Response containing Response Status Code set to 2001 (CREATED) }	IUT → AE

TP Id	TP/oneM2M/CSE/SEC/ACP/CRE/003	
Test objective	Check that the IUT accepts the creation of a accessControlPolicy resource with privileges	
-	attribute having empty rules	
Reference	ETSI TS 118 101 [1], clause 9.6.2 and clause 10.2.21	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform CREATE operation on the resource)
	TARGET_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events Direction	
	when { the IUT receives a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing accessControlPolicy resource containing privileges attribute set to empty list }	IUT ← AE
1		

TP ld	TP/oneM2M/CSE/SEC/ACP/CRE/004		
Test objective	Check that the IUT responds with an error when the creation of a accessControlPolicy resource		
	with selfPrivileges attribute having empty rules		
Reference	ETSI TS 118 101 [1], clause 9.6.2 and clause 10.2.21		
Config Id	CF01		
Parent Release	Release 1		
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 privileges to perform CREATE operation on the resource)	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when { the IUT receives a valid CREATE Request containing To set to TARGET_RESOURCE_ADDRESS and From set to AE_ID and Content containing accessControlPolicy resource containing selfPrivileges attribute set to empty list }	IUT ← AE	
	then { the IUT does not create the accessControlPolicy resource and the IUT sends a valid Response containing Response Status Code set to 4000 (BAD_REQUEST) }	IUT → AE	

7.2.2.8.2 UPDATE Operation

TP/oneM2M/CSE/SEC/ACP/UPD/001

TP Id	TP/oneM2M/CSE/SEC/ACP/UPD/001		
Test objective	Check that the IUT updates successfully the accessControlPolicyIDs attribute of the <ae> resource</ae>		
	when the AE has privileges for UPDATE operation in any selfPrivileges of the		
	<accesscontrolpolicy> resources which this attribute originally indicates.</accesscontrolpolicy>		
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE containing		
	accessControlPolicyID attribute set to ACP_ID_1		
	and the AE having privileges to perform UPDATE operation on the		
	AE_RESOURCE_ADDRESS in selfPrivileges		
	}		
Expected	Test events	Direction	
behaviour	when {		
	the IUT receives a valid UPDATE Request containing		
	To set to AE_RESOURCE_ADDRESS and		
	From set to AE_ID		
	Content containing	IUT ← AE	
	AE resource containing		
	accessControlPolicyIDs attribute set to ACP_ID_2		
	}		
	then {		
	the IUT updates the accessControlPolicyIDs attribute of AE resource		
	and the IUT sends a valid Response containing		
	Response Status Code set to 2004 (UPDATED) and		
	Content containing	$IUT \rightarrow AE$	
	ΔF resource containing		
	AE resource containing		
	AE resource containing accessControlPolicyID attribute set to ACP_ID_2		

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TP Id	TP/oneM2M/CSE/SEC/ACP/UPD/002	
Test objective	Check that the IUT responds with an error when the AE tries an UPDATE operation on the	
	accessControlPolicyIDs attribute without having privileges for such operation in any selfPrivileges of	
	the <accesscontrolpolicy> resources which this attribute originally indicates.</accesscontrolpolicy>	
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE containing	
	accessControlPolicyID attribute set to ACP_ID_1	
	and the AE having no privileges to perform UPDATE operation on the	
	AE_RESOURCE_ADDRESS in selfPrivileges	
)	
Expected	Test events	Direction
Expected behaviour	when {	Direction
	when { the IUT receives a valid UPDATE Request containing	Direction
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and	Direction
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing	Direction IUT ← AE
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing accessControlPolicyID attribute set to ACP_ID_2 }	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing accessControlPolicyID attribute set to ACP_ID_2 } then {	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing accessControlPolicyID attribute set to ACP_ID_2 }	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing accessControlPolicyID attribute set to ACP_ID_2 } then { the IUT does not update the accessControlPolicyIDs attribute of AE resource	IUT ← AE
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing	
	when { the IUT receives a valid UPDATE Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID Content containing AE resource containing accessControlPolicyID attribute set to ACP_ID_2 } then { the IUT does not update the accessControlPolicyIDs attribute of AE resource	IUT ← AE

7.2.2.8.3 BASIC OPERATION

TP Id	TP/oneM2M/CSE/SEC/ACP/001		
Test objective	Check that the IUT responds with an error when an ORIGINATOR tries an OPERATION without		
	having privileges for performing the OPERATION on the TARGET_RESOURCE_TYPE		
	resource.		
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and the ORIGINATOR having no privileges to perform an OPERATION on	the resource	
	TARGET_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid OPERATION Request containing	IUT ←	
	To set to TARGET_RESOURCE_ADDRESS and	ORIGINATOR	
	From set to ORIGINATOR_ID	ORIGINATOR	
	}		
	then {		
	the IUT sends a valid Response containing	IUT →	
	Response Status Code set to 4103 (ACCESS_DENIED)	ORIGINATOR	
		OKION KIOK	

TP ld	OPERATION
TP/oneM2M/CSE/SEC/ACP/001_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/001_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/001_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/001_DEL	DELETE

TP ld	TP/oneM2M/CSE/SEC/ACP/014		
Test objective	Check that the IUT responds successfully when the AE tries an OPERATION on its <ae></ae>		
-	resource which has multiple accessControlPolicyID attribute		
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1 and table 9.6.2.1-1		
Config Id	CF01		
Parent Release	Release 1		
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 a child <container> resource containing</container>		
	accessControlPolicyID attribute containing		
	ACP_ID_1 and		
	ACP ID 2		
	and the AE having privileges to perform an OPERATION on itself given by ACP_ID_2 only		
	}		
Expected behaviour	Test events	Direction	
	when {		
	the IUT receives a valid OPERATION Request containing		
	To set to AE_RESOURCE_ADDRESS and	$IUT \leftarrow AE$	
	From set to AE_ID		
	}		
	then {		
	the IUT sends a valid Response containing	IUT → AE	
	Response Status Code set to RESPONSE_STATUS_CODE	IUI 7 AE	
	}		

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/002_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/002_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/002_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/002_DEL	DELETE	2002 (DELETED)

TP Id	TP/oneM2M/CSE/SEC/ACP/003			
Test objective	Check that the IUT responds successfully when an allowed DOMAIN tries an OPERATION on a			
	AE_RESOURCE_TYPE resource.			
Reference	ETSI TS 118 101 [1], clause 9.6.2.1			
Config Id	CF01			
Parent Release	Release 1			
PICS Selection	PICS_CSE			
Initial conditions	with {			
	the IUT being in the "initial state"			
	and the IUT having registered the AE			
	and the DOMAIN having privileges to perform an OPERATION on the	resource		
	AE_RESOURCE_ADDRESS			
	RE_RESOURCE_ADDRESS			
	}			
Expected behaviour	} Test events	Direction		
Expected behaviour	}	Direction		
Expected behaviour	} Test events when {	Direction		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and	Direction IUT ← DOMAIN		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to DOMAIN }	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to DOMAIN } then {	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to DOMAIN } then { the IUT sends a valid Response containing	- 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 - 11 -		
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to DOMAIN } then {	IUT ← DOMAIN		

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/003_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/003_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/003_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/003_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/SEC/ACP/004		
Test objective	Check that the IUT responds successfully when any ORIGINATOR tries an OPERATION on a		
	AE_RESOURCE_TYPE resource for which all originators are allowed		
Reference	ETSI TS 118 101 [1], clause 9.6.2.1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE		
	and any originator (*) having privileges to perform an OPERATION on the re	esource	
	AE_RESOURCE_ADDRESS		
	}		
Expected behaviour	Test events Direction		
	when {		
	the IUT receives a valid OPERATION Request containing	II.IT /	
	To set to AE_RESOURCE_ADDRESS and	IUT ←	
	From set to ORIGINATOR ORIGINATOR		
]		
	then {		
	the IUT sends a valid Response containing	IUT →	
	Response Status Code set to RESPONSE_STATUS_CODE	ORIGINATOR	
	}		

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/004_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/004_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/004_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/004_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/SEC/ACP/005	
Test objective	Check that the IUT responds successfully when the AE tries an OPERATION on a	
	AE_RESOURCE_TYPE resource and that the request is within accessControlTimeWindow	
	context.	
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform OPERATION on the	
	AE_RESOURCE_ADDRESS within TIME_WINDOW	
]	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID within TIME_WINDOW }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE }	IUT → AE

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/005_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/005_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/005_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/005_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/SEC/ACP/006	
Test objective	Check that the IUT responds with an error when the AE tries an OPERATION on a	
-	AE_RESOURCE_TYPE resource out of accessControlTimeWindow context.	
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform OPERATION on the	
	AE_RESOURCE_ADDRESS within TIME_WINDOW	
	}	
Expected behaviour	Test events Direction	
	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID out of TIME WINDOW	IUT ← AE
	}	

TP Id	OPERATION
TP/oneM2M/CSE/SEC/ACP/006_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/006_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/006_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/006 DEL	DELETE

TP ld	TP/oneM2M/CSE/SEC/ACP/007		
Test objective	Check that the IUT responds successfully when the AE tries an OPERATION on a		
	AE_RESOURCE_TYPE resource and that the request is within accessControlLocationRegion		
	context.		
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1		
Config Id	CF01		
Parent Release	Release 1		
PICS Selection	PICS_CSE		
Initial conditions	with {		
	the IUT being in the "initial state"		
	and the IUT having registered the AE containing		
	a child locationPolicy resource containing		
	locationContainerID attribute set to CONTAINER_ID		
	and a child container resource containing		
	locationID attribute set to LOCATION_POLICY_ID and		
	contentInstance resource containing		
	content attribute set to LOCATION		
	and the AE having privileges to perform OPERATION on the AE_RES	OURCE_ADDRESS	
	within LOCATION_RESTRICTION		
Expected	Test events	Direction	
behaviour	when {	Direction	
Donavious	the IUT receives a valid OPERATION containing		
	To set to AE_RESOURCE_ADDRESS and		
	From set to AE ID	IUT ← AE	
	and LOCATION within LOCATION_RESTRICTION		
	}		
	then {		
	the IUT sends a valid Response containing		
	Response Status Code set to RESPONSE_STATUS_CODE	IUT → AE	
	Response Status Code set to RESPONSE_STATUS_CODE }	IOI 7 AE	

TP Id	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/007_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/007_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/007_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/007_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/SEC/ACP/008	
Test objective	Check that the IUT responds with an error when the AE tries an OPERATION on a	
·	AE_RESOURCE_TYPE resource out of accessControlLocationRegion context.	
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform OPERATION on the	
	AE_RESOURCE_ADDRESS within LOCATION_RESTRICTION	
	<u> </u>	
Expected behaviour	Test events	Direction
Expected behaviour	when {	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request containing	Direction
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID	Direction IUT ← AE
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID out of LOCATION_RESTRICTION }	
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID out of LOCATION_RESTRICTION } then {	
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID out of LOCATION_RESTRICTION } then { the IUT sends a valid Response containing	
Expected behaviour	when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID out of LOCATION_RESTRICTION } then {	IUT ← AE

TP Id	OPERATION
TP/oneM2M/CSE/SEC/ACP/008_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/008_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/008_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/008_DEL	DELETE

TP ld	TP/oneM2M/CSE/SEC/ACP/009		
Test objective	Check that the IUT responds successfully when the AE tries an OPERATION on a		
	TARGET_RESOURCE_TYPE resource and that the request is within		
	accessControllpAddresses context.		
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1		
Config Id	CF01		
Parent Release	Release 1		
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 privileges to perform OPERATION on the		
	AE_RESOURCE_ADDRESS within IP_ADDRESS_RESTRICTION		
	}		
Expected behaviour	Test events Direction		
	when {		
	the IUT receives a valid OPERATION Request containing		
	To set to AE_RESOURCE_ADDRESS and	IUT ← AF	
	From set to AE_ID		
	and AE_IP_ADDRESS within IP_ADDRESS_RESTRICTION		
	}		
	then {		
	the IUT sends a valid Response containing	IUT → AE	
	Response Status Code set to RESPONSE_STATUS_CODE	101 / AL	
	}		

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/009_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/009_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/009_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/009_DEL	DELETE	2002 (DELETED)

TD ! !	TD/ MONA/OOF/OFO/AOD/OAG	
TP Id	TP/oneM2M/CSE/SEC/ACP/010	
Test objective	Check that the IUT responds with an error when the AE tries an OPERATION on a	
	AE_RESOURCE_TYPE resource out of accessControllpAddresses context.	
Reference	ETSI TS 118 101 [1], table 9.6.2.2-1	
Config Id	CF01	
Parent Release	Release 1	
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 privileges to perform OPERATION on the	
	AE_RESOURCE_ADDRESS within IP_ADDRESS_RESTRICTION	
	AE_RESOURCE_ADDRESS WITHIN IP_ADDRESS_RESTRICTION	
Eveneted behaviour	}	Direction
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	Direction
Expected behaviour	} Test events	Direction
Expected behaviour	Test events when {	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing	Direction IUT ← AE
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and AE_IP_ADDRESS out of IP_ADDRESS_RESTRICTION }	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and AE_IP_ADDRESS out of IP_ADDRESS_RESTRICTION } then {	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and AE_IP_ADDRESS out of IP_ADDRESS_RESTRICTION } then { the IUT sends a valid Response containing	
Expected behaviour	Test events when { the IUT receives a valid OPERATION Request containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and AE_IP_ADDRESS out of IP_ADDRESS_RESTRICTION } then {	IUT ← AE

TP ld	OPERATION
TP/oneM2M/CSE/SEC/ACP/010_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/010_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/010_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/010_DEL	DELETE

TP Id	TP/oneM2M/CSE/SEC/ACP/011	
Test objective	Check that the IUT responds successfully when the AE tries an OPERATION or	
	<container> resource whose accessControlPolicyID attribute is not set and AE has privileges</container>	
	for such OPERATION on its associated accessControlPolicy resource	
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1	
Config Id	CF01	
Parent Release	Release 1	
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 a child <container> resource containing no accessControlPolicyID attribute and the AE having privileges to perform an OPERATION on the resource CONTAINER_RESOURCE_ADDRESS }</container>	
Expected behaviour	Test events	Direction
	when { the IUT receives a valid OPERATION Request containing To set to CONTAINER_RESOURCE_ADDRESS and From set to AE_ID }	IUT ← AE
	then { the IUT sends a valid Response containing Response Status Code set to RESPONSE_STATUS_CODE }	IUT → AE

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/011_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/011_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/011_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/011_DEL	DELETE	2002 (DELETED)

TP ld	TP/oneM2M/CSE/SEC/ACP/012	
Test objective	Check that the IUT responds with an error when an ORIGINATOR tries an OPERATION on a	
	<container> resource with no accessControlPolicyID associated and such ORIGINATOR</container>	
	having no privileges for performing the OPERATION on the <container> resour</container>	ce.
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1	
Config Id	CF01	
Parent Release	Release 1	
PICS Selection	PICS_CSE, PICS_ACP_SUPPORT	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the AE having a child <container> resource containing</container>	
	no accessControlPolicyID attribute	
	and the ORIGINATOR having no privileges to perform an OPERATION on	the <container></container>
	resource	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request containing	IUT ←
	To set to CONTAINER_RESOURCE_ADDRESS and	ORIGINATOR
	From set to ORIGINATOR_ID	OTTION WITHOUT
	}	
	then {	
	the IUT sends a valid Response containing	IUT →
	Response Status Code set to 4103 (ACCESS_DENIED)	ORIGINATOR
	}	

TP Id	OPERATION
TP/oneM2M/CSE/SEC/ACP/012_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/012_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/012_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/012_DEL	DELETE

TP Id	TP/oneM2M/CSE/SEC/ACP/013	
Test objective	Check that the IUT responds successfully when the creator AE tries an OPERATION on the AE	
	resource whose accessControlPolicyIDs attribute is not set.	
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1	
Config Id	CF01	
Parent release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE	
	and the <ae> resource having no accessControlPolicyIDs attribute</ae>	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request containing	U.T. (A.E.
	To set to AE_RESOURCE_ADDRESS and	IUT ← AE
	From set to AE_ID	
	it and	
	then {	
	the IUT sends a valid Response containing	IUT → AE
	Response Status Code set to RESPONSE_STATUS CODE }	

TP ld	OPERATION	RESPONSE_STATUS_CODE
TP/oneM2M/CSE/SEC/ACP/013_CRE	CREATE	2001 (CREATED)
TP/oneM2M/CSE/SEC/ACP/013_RET	RETRIEVE	2000 (OK)
TP/oneM2M/CSE/SEC/ACP/013_UPD	UPDATE	2004 (UPDATED)
TP/oneM2M/CSE/SEC/ACP/013_DEL	DELETE	2002 (DELETED)

TP Id	TP/oneM2M/CSE/SEC/ACP/014	
Test objective	Check that the IUT responds with an error when an AE2 tries an OPERATION on the AE1 resource	
	whose accessControlPolicyIDs attribute is not set.	
Reference	ETSI TS 118 101 [1], table 9.6.1.3.2-1	
Config Id	CF01	
Parent release	Release 1	
PICS Selection	PICS_CSE	
Initial conditions	with {	
	the IUT being in the "initial state"	
	and the IUT having registered the AE1	
	and the IUT having registered the AE2	
	and the <ae> resource of AE1 having no accessControlPolicyIDs attribute</ae>	
	}	
Expected behaviour	Test events	Direction
	when {	
	the IUT receives a valid OPERATION Request containing	
	To set to AE1_RESOURCE_ADDRESS and	IUT ← AE2
	From set to AE2_ID	
	}	
	then {	
	the IUT sends a valid Response containing	UIT > 4F2
	Response Status Code set to 4103 (ACCESS_DENIED)	IUT → AE2
) · · · · · · · · · · · · · · · · · · ·	

TP ld	OPERATION
TP/oneM2M/CSE/SEC/ACP/014_CRE	CREATE
TP/oneM2M/CSE/SEC/ACP/014_RET	RETRIEVE
TP/oneM2M/CSE/SEC/ACP/014_UPD	UPDATE
TP/oneM2M/CSE/SEC/ACP/014_DEL	DELETE

7.2.2.9 FlexContainer

7.2.2.9.1 CREATE Operation

TP/oneM2M/CSE/FLXC/CRE/001

TP Id	TP/oneM2M/CSE/FLXC/CRE/001	
Test objective	Check that the IUT rejects the creation of the <flexcontainer> resource when the resource</flexcontainer>	
	representation does not comply with the schema definition.	
Reference	ETSI TS 118 101 [1], clause 10.2.29, ETSI TS 118 104 [2], clause 7.4.29.	2.1
Parent Release	Release 2	
Config Id	CF01	
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 privileges to perform CREATE operation on the re-	source
	AE_RESOURCE_ADDRESS	
	}	
Expected behaviour	Test events	Direction
	when { the IUT receives an invalid CREATE request from AE containing To set to AE_RESOURCE_ADDRESS and From set to AE_ID and Resource Type set to 28 (flexContainer) and Content containing an invalid resource representation }	IUT ← AE
	then { the IUT does not create the flexContainer resource and the IUT sends a valid Response containing Response Status Code set to 4000 (BAD_REQUEST) }	IUT → AE

7.2.2.9.2 UPDATE Operation

TP/oneM2M/CSE/FLXC/UPD/001

TP ld	TP/oneM2M/CSE/FLXC/UPD/001	
Test objective	Check that the IUT increments the field value of attribute stateTag in the <flexcontainer> resource when a custom attribute of the resource is modified.</flexcontainer>	
Reference	ETSI TS 118 101 [1], clause 9.6.35	
Config Id	CF01	
Parent Release	Release 2	
PICS Selection	PICS_CSE	
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource FLEXCONTAINER_RESOURCE_ADDRESS containing stateTag attribute and the AE having privileges to perform UPDATE operation on the resource FLEXCONTAINER_RESOURCE_ADDRESS }	
	Test events	Direction
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to FLEXCONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Content containing flexContainer resource containing ATTRIBUTE_NAME attribute set to VALUE }	IUT ← AE
	then { the IUT increments the stateTag attribute of FLEXCONTAINER_RESOURCE_ADDRESS resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED)	IUT → AE

TP/oneM2M/CSE/FLXC/UPD/002

TP ld	TP/oneM2M/CSE/FLXC/UPD/002					
Test objective	Check that the IUT does not increment the field value of attribute stateTag in the <flexcontainer> resource when a common attribute of the resource is modified.</flexcontainer>					
Reference	ETSI TS 118 101 [1], clause 9.6.35					
Config Id	CF01					
Parent Release	Release 2					
PICS Selection	PICS_CSE					
Initial conditions	with { the IUT being in the "initial state" and the IUT having registered the AE containing a container resource FLEXCONTAINER_RESOURCE_ADDRESS container stateTag attribute and the AE having privileges to perform UPDATE operation on the resource FLEXCONTAINER_RESOURCE_ADDRESS }	,				
	Test events	Direction				
Expected behaviour	when { the IUT receives a valid UPDATE Request from AE containing To set to FLEXCONTAINER_RESOURCE_ADDRESS and From set to AE_ID and Content containing flexContainer resource containing ATTRIBUTE_NAME attribute set to VALUE }	IUT ← AE				
	then { the IUT does not increment the stateTag attribute of FLEXCONTAINER resource and the IUT sends a valid Response containing Response Status Code set to 2004 (UPDATED) }	IUT → AE				

TP/oneM2M/CSE/FLXC/UPD/003

TP Id	TP/oneM2M/CSE/FLXC/UPD/003					
Test objective	Check that the IUT rejects the update of the <flexcontainer> resource when the resource</flexcontainer>					
	representation does not comply with the schema definition.					
Reference	ETSI TS 118 101 [1], clause 10.2.29, ETSI TS 118 104 [2], clause 7.4.29.2.3					
Parent Release	Release 2					
Config Id	CF01					
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 privileges to perform UPDATE operation on the resource					
	FLXC_RESOURCE_ADDRESS					
Expected behaviour	Test events	Direction				
	when { the IUT receives an invalid UPDATE request from AE containing To set to FLXC_RESOURCE_ADDRESS and From set to AE_ID and Content containing flexContainer resource containing an invalid resource representation }	IUT ← AE				
	then { the IUT does not update the flexContainer resource and the IUT sends a valid Response containing Response Status Code set to 4000 (BAD_REQUEST)	IUT → AE				

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Annex A (informative): Conformance Test Requirement

A.1 MQTT Protocol Conformance Test Requirement

Test I	tems	TS Clause	Obligation	Condition for Optional Item	Checking point	Fail condition
Commonly Repeated Items		ETSI TS 118 110 [5], clause 5.1	Mandatory		"QoS=1"	Fail when QoS is other than "1"
Commonly Re	peated items	ETSI TS 118 110 [5], clause 5.1	Mandatory		"Retain" flag set as "0"	Fail if DUT sends with "Retain" flag=1
	Connect Connect	ETSI TS 118 110 [5], clause 6.3	Mandatory		Prefix A:: or C:: is added to the ID	Fail if Prefix A:: or C:: are not added to the ID
Connection		ETSI TS 118 110 [5], clause 6.3	Mandatory		if Clean session (ex: Retain) flag is set to "False" in CONNECT	Fail when clean session is "True" when DUT want to be connected
Items		ETSI TS 118 110 [5], clause 6.3	Mandatory		if "Will Flag" is not set in CONNECT	Fail when will flag is enabled
	Disconnect	ETSI TS 118 110 [5], clause 6.3	Mandatory		if Clean session (ex: Retain) flag is set to "True" in CONNECT	Fail when clean session is "False" when DUT want to be disconnected
		ETSI TS 118 110 [5], clause 5.1	Mandatory		if the message is set to Durable	Fail is the message is not Durable
Subscripti	ion Items	ETSI TS 118 110 [5], clause 6.4.4	Conditional	(for Initial Registration) when Originator does not knows its ID	if DUT's Initial ID assigning /oneM2M/reg_req/ <originator>/<receiver> oneM2M/reg_resp/<originator>/<receiver></receiver></originator></receiver></originator>	Fail if DUT's ID assigning is other than this
		ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional	when Originator knows its ID	if DUT's Initial ID assigning oneM2M/req/ <originator>/<receiver></receiver></originator>	Fail if DUT's ID assigning is other than this
Publish	Publish Item	ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional	When Originator uses wild card	if DUT's Initial ID assigning oneM2M/req/+/ <receiver></receiver>	Fail if DUT's ID assigning is other than this
		ETSI TS 118 110 [5], Clause 6.5.1	Conditional		if the has proper Primitive contents ("op", "fr", "to", "ri", "pc", "ty")	Fail if any of primitive contents feature wrong
		ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional	when Originator knows its ID	if DUT's Initial ID assigning oneM2M/resp/ <originator>/<receiver></receiver></originator>	Fail if DUT's ID assigning is other than this
Reception	on Item	ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional	When Originator uses wild card	if DUT's Initial ID assigning oneM2M/resp/ <originator>/+</originator>	Fail if DUT's ID assigning is other than this
		ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional		server Delete received contents properly not storing data	Fail if Receiver stores message

Test Items	TS Clause	Obligation	Condition for Optional Item	Checking point	Fail condition
	ETSI TS 118 110 [5], Figure 6.4.5-2	Conditional			Fail if the receiver does not send PubACK
	ETSI TS 118 110 [5], Clause 6.5.1	Mandatory			Fail if any of primitive contents feature wrong

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Annex B (informative): TP template

TP Id		
Test objective		
Reference		
Config Id		
PICS Selection		
Initial conditions		
Expected behaviour	Test events	Direction
	when {	
	}	W.T. (A.E.
		IUT ← AE
	then {	
	}	
	•	IUT → AE

History

Document history			
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