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## 1 Grid table examples

Example Grid Table 1

Use cases	Characteristic parameter (KPI)			Influence quantity			Remarks
	Max al- lowed end-to-end la- tency	bit rate: user-experi- enced data rate	Reliability	Message size (byte)	UE Speed	Service Area	
Immersive multi-modal VR (UL: device → application server)	5 ms (note 2)	16 Kbit/s -2 Mbit/s (with-out haptic compression encoding) 0.8 - 200 Kbit/s (with haptic encoding)	99.9% (with-out haptic pres-sion encod-ing) 99.999% (with haptic encod-ing)	1 DoF:2-8 3 DoFs:6-24 6 DoFs:12-48 More DoFs can be supported by the haptic device	Stationary or pedestrian	typically < 100 Km2	Haptic feed-back

Use cases	Characteristic parameter (KPI)			Influence quantity			Remarks
	Max al- lowed end-to- end la- tency	bit rate: user- experi- enced data rate	Reliability	Message size (byte)	UE Speed	Service Area	
	5 ms	< 1 Mbit/s	99.99% [40]	1500			Sensing infor- ma- tion e.g. po- sition and view infor- ma- tion gener- ated by the VR glasses
Immersive multi- modal VR (DL: appli- cation server → device)	10 ms (note 1)	1-100 Mbit/s	99.9% [40]	1500	Stationary or pedestrian	typically < 100 Km2 (note 5)	Video
	10 ms	5-512 Mbit/s	99.9% [40]	50			Audio
	5 ms	16 Kbit/s- 2 Mbit/s (with- out haptic)	99.9% (with haptic com- pres- sion)	1 DoF:2- 8 3 DoFs:6- 24 6 DoFs:12- 48 6 DoFs:12- 48			Haptic feed- back

Example Grid Table 2

Name	DedicatedBearerCnf	
Port	IPCANctl	
Comment	ASP type which returns the result of the execution of	
Parameter	DedicatedBearerReq, when it is ocmpleted	
Name	Parameter Type	Comment
status	Status	

Example Grid Table 3

Antenna HAAT (meters/feet)	ERP (watts)		ERP (watts/MHz)	
	Emission BW $\leq 1$ MHz	Emission BW $> 1$ MHz		
	Non-rural areas	Rural areas*	Non-rural areas	Rural areas*
Higher than 1372 (4500)	65	130	65	130
1220 (4000) to 1372(4500)	70	140	70	140
1067 (3500) to 1220 (4000)	75	150	75	150
915 (3000) to 1067(3500)	100	200	100	200
763 (2500) to 915 (3000)	140	280	140	280
610 (2000) to 763 (2500)	200	400	200	400
458 (1500) to 610 (2000)	350	700	350	700
305 (1000) to 458 (1500)	600	1200	600	1200
Up to 305 (1000)	1000	2000	1000	2000
Note:* with population density of 100 or fewer persons per square mile				

Example grid table 4

Ut	Control	Mapping				
Primitive	Primitive	to				
message	message	oneM2M				
types	types	data	Description	Reference	Triggering Message	HTTP
<i>UtTrigger</i>	<i>requestPrimitive</i>	ONLY	essential parameters included for certain test case	oneM2M TS-0004 [2]	<b>EXAMPLE 1:</b> If the test objective is to test “ <i>Test triggers IUT to execute a test case for creation of &lt; AE &gt; with abels attribute under a CSEBase resource</i> ”, then triggering message would be serialized as following.	
<i>Primitive</i>			See NOTE 1			

Ut					
Control	Mapping				
Primi-	to				
tive	oneM2M				
mes-	data				
sage	types	Description	Reference	Triggering Message	HTTP
				<b>Request</b>	<b>Request</b>
				{	<b>POST</b>
				“m2m:rqp” :{	/{SUT_UT_APPLICATION_URL}
				“op”: 1,	HTTP/1.1
				//indicate	<b>Host:</b>
				CREATE	{SUT_IP_ADDRESS:PORT}
				operation	<b>Content-</b>
				“ty”: 2,	<b>Length:</b>
				//indicate AE	{PAY-
				resource type	LOAD_LENGTH}
				“to”:	<b>Content-</b>
				{TEST_SYSTEM_ADDRESS},	<b>Type:</b>
				“pc”: {	<b>applica-</b>
				“m2m:ae”: {	<b>tion/json</b>
				“lbl”：“UNINITIALIZED”	
				//indicate that	{“m2m:rqp” :{
				attribute labels	“op”: 1,
				needs to be	//indicate
				included	CREATE
				},	operation
				}	“ty”: 2,
				“rvi”: “2a” } }	//indicate AE
				}	resource type
					“to”:
					{TEST_SYSTEM_ADDRESS},
					“pc”: {
					“m2m:ae”: {
					“lbl”：“UNINITIALIZED”
					//indicate that
					attribute labels
					needs to be
					included
					}
					},
					“rvi”: “2a”
					}
					}

Ut					
Control	Mapping				
Primi-	to				
tive	oneM2M				
mes-	data				
sage	types	Description	Reference	Triggering Message	HTTP

**EXAMPLE 2:** If the test objective is to test *\*\*“Test System triggers IUT to execute a test case for delete of < AE \_\_> resource”\*\**, then triggering message would be serialized as following.

<b>Request</b>	<b>Request</b>
{	<b>POST</b>
“m2m:rqp” :{	/ {SUT_UT_APPLICATION_URL}
“op”: 4,	HTTP/1.1
//indicate	<b>Host:</b>
DELETE	{SUT_IP_ADDRESS:PORT}
operation	<b>Content-</b>
“to”:{TARGET_AE_RESOURCE_ADDRESS},	<b>Length:</b>
//indicate	{PAY-
Target AE	LOAD_LENGTH}
resource	<b>Content-</b>
address “rvi”:	<b>Type:</b>
“2a”	<b>applica-</b>
}	<b>tion/json</b>
}	
	{“m2m:rqp” :{
	“op”: 4,
	//indicate
	DELETE
	peration
	“to”:{TARGET_AE_RESOURCE_ADDRESS}
	//indicate
	Target AE
	resource
	address
	“rvi”: “2a”
	}
	}

Ut Control Primi- tive mes- sage	Mapping to oneM2M data types	Description	Reference	Triggering Message	HTTP
	N/A	Special upper tester com- mands	N/A	<b>“RESET”</b>	<b>Request</b> <b>POST</b> /{SUT_UT_APPLICATION_URL} HTTP/1.1 <b>Host :</b> {SUT_IP_ADDRESS:PORT} <b>X-M2M- UTCMD:</b> <b>Reset</b>
<i>UtTrigger responsePrimitive</i> <i>Ack</i> <i>Primitive</i>	<i>ONLY</i> re- spons- eSta- tus- Code at- tribute in- cluded  See Note 2.	oneM2M TS-0004 [2]		<b>Response</b> { “m2m:rsp”: { “rsc”: 2000 } }  For any triggering response, it only contains a response status code, and the response status code for the triggering operation can only be set to either either 2000 (OK) or 4000 (BAD_REQUEST) according to the rules for triggering operations.	<b>Response</b> HTTP/1.1 200 OK X-M2M-RSC: 2000

NOTE 1: Additional rules defined in table 5.4.4.2.2-3 are also applied.

NOTE 2: Attribute response status code is defined at table 5.4.4.2.2-3.

## 2 Pipe table examples

Name	Instance type	Element type	Description
mcnPort	port	OneM2MPort	Port that implements the mcn interface when test system is the client (sending requests)
mcnPortIn	port	OneM2MPort	Port that implements the mcn interface when test system is the server (receiving requests)
vc_ae1	test component	AeSimu	Reference to the AE1 component when required
vc_cse2	test component	CseSimu	Reference to the CSE1 component when required
vc_aeSimuDesc	variable	AeSimuComponentDesc	Component configuration extracted from required (AE1) tester paxit
vc_cseSimuDesc	variable	CseSimuComponentDesc	Component configuration extracted from required (CSE1) tester paxit
vc_cseType	variable	CseTypeID	CSE type of the test system (default is MN)
vc_scefSimuDesc	variable	ScefSimuComponentDesc	Component configuration extracted from required (SCEF) tester paxit
vc_configurations	variable	NiddConfigurations	NIDD configurations of SCEF component



### 3 History

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#### Document history

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V0.0.0	2024-05-12	First examples
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### 4 UML Diagrams

Example of UML diagrams

```
@startuml
Bob -> Alice : hello
@enduml
```