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MP089 ‘Changes to Appendix R ‘Common Testing Scenarios Document’

Legal text – version 0.1

About this document

This document contains the redlined changes to the SEC that would be required to deliver this Modification Proposal.

These changes have been drafted against SEC Version 6.18.

Appendix R 'Common Testing Scenarios Document'

Amend Section 1 as follows:

1 Introduction

1.1 Purpose

The purpose of this document is to:

- Define the procedural steps to be undertaken by a Party wishing to complete User Entry Process Tests (UEPT) in accordance with SEC Section H14;
- Set out the User Entry Process Tests that must be conducted by the Relevant Party with regard to each User Role that it may want to fulfil; and
- Describe the role and responsibilities with regard to the conduct of UEPT, including;
 - Entry and exit requirements
 - Defining Test Scripts
 - Defining Test Data
 - Planning the manner in which tests will be undertaken
 - Executing the tests
 - Reporting the results of those tests to the Data Communications Company (DCC) for approval.

Additionally, this document sets out the above for a Testing Participant wishing to complete:

- Additive UEPT in respect of R2.0 Functionality; ~~and~~
- Eligibility Testing in accordance with the User Testing Services Approach Document under the SVTAD for SMETS1; and
- Additive UEPT in respect of November 19 Release.

1.2 Types of Testing Required

Clause 8 sets out the specific tests that are required to be performed:

- For a new Party seeking to undertake User Entry Process Testing;
- For an existing User seeking to send Service Requests in respect of SMETS1 Devices (Eligibility Testing); ~~and~~
- For an existing User seeking to access R2.0 functionality (Additive UEPT); and
- For an existing User seeking to access November 19 Release functionality (Additive UEPT).

Amend Section 5.4 as follows:

5.4 Completing Additive UEPT for Release 2.0 or November 19 Release

Testing Participants that have completed UEPT prior to the release of R2.0 functionality into the production environment have the option of executing R2.0 Service Requests by the following routes:

- Completing UEPT style testing through the formal process as stated in this document; or
- Successfully executing the R2.0 Service Request in end to end Testing In accordance with the provision of the SEC Variation Testing Approach Document for Release 2.0.

Testing Participants will submit evidence of successful execution of R2.0 Service Requests to the DCC. After DCC accepts this evidence, the Testing Participant will be Eligible Users of those Service Requests.

For November 19 Release

Testing Participants that have completed UEPT prior to the release of November 19 functionality into the production environment must complete UEPT style testing through the formal process as stated in this document and the Testing Approach Document for November 19 Release.

Amend Section 8.1.4 as follows:

8.1.4 DUIS Matrix

New User

The following User Role tables reflect the test Service Requests that must be executed by a new Party seeking to undertake UEPT. The tests are those indicated as ‘Mandatory, Mandatory SMETS1 and Mandatory SMETS2+’ in the CV column, for which they must be executed for each specific User Role. Those indicated as ‘Mandatory’ must be executed in respect of a SMETS1 Device and a SMETS2+ Device. Those indicated as ‘Mandatory SMETS1’ must be executed in respect of a SMETS1 Device. Those indicated as ‘Mandatory SMETS2+’ must be executed in respect of a SMETS2+ Device. Where the test Service Requests are indicated as N/A there is no requirement to test during execution of the test scenarios.

Existing User seeking to send Service Request to SMETS1 Devices

The Service Request tests that must be executed if a Testing Participant has already completed UEPT and is seeking to send Service Requests to SMETS 1 Devices in a particular User Role (Eligibility Testing), as set out in clause 4.3 of the UTSAD, are those indicated as ‘Mandatory or Mandatory SMETS1 ’ in the CV column for the relevant User Role. Those indicated as ‘Mandatory’ must only be executed in respect of a SMETS1 Device and those indicated as ‘Mandatory SMETS1’ must only be executed in respect of a SMETS1 Device. Where the test

Service Requests are indicated as N/A there is no requirement to test during execution of the test scenarios.

Existing User seeking to send Service Requests that access R2.0 functionality

For SMETS2+ when executing Additive UEPT for R2.0, the Service Requests that must be executed are as listed below and need to be executed where indicated by User Role and 'Mandatory' or 'Mandatory SMETS2+' in the CV column:

- Service Requests for Single Band Comms Hub – 2.1, 6.2.2, 6.2.3, 6.2.10, 6.5, 6.8, 6.15.1, 6.21, 6.22, 6.23, 6.26, 6.27, 14.1
- Service Requests for Dual Band Comms Hub – 6.28, 6.29, 6.30, 6.31, 6.32
- Service Requests which are not mandatory but can be executed by a User for that User Role if they wish are indicated by 'N/A' in the DUIS Matrix.

Those indicated as 'Mandatory' must only be executed in respect of a SMETS2+ Device.

Existing User Seeking to send Service Requests that access November 19 functionality

For SMETS2+ if a Testing Participant has already completed UEPT and is executing Additive UEPT for November 19, the Service Requests that must be executed in a particular User Role are those indicated as 'Mandatory' or 'Mandatory SMETS2+' in the CV column for the relevant User Role and are listed below:

- Service Request for Read Auxiliary Load Control Switch Data – 7.7
- Service Request for Communications Hub Status – 8.14.3 and 8.14.4

Amend Table 8.1.8 as follows:

6.2	6.2.7	Read Device Configuration (MPxN)	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.2	6.2.10	Read Device Configuration (Event Alert Behaviours)	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.5	6.5	Update Device Configuration (Voltage)	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.13	6.13	Read Event Or Security Log	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.15	6.15.1	Update Security Credentials (KRP)	Y	N/A	N/A	N/A	N/A	Mandatory	Mandatory SMETS 2	N/A	N/A	N/A	N/A	ED
6.18	6.18.1	Set Maximum Demand Configurable Time Period	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.18	6.18.2	Reset Maximum Demand Registers	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.22	6.22	Configure Alert Behaviour	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.24	6.24.1	Retrieve Device Security Credentials (KRP)	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
6.27	6.27	Update Device Configuration (Daily Resetting Of Tariff Block Counter)	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
7.4	7.4	Read Supply Status	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
7.7	7.7	Read Auxiliary Load Control Switch Data	N	Mandatory SMETS 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
8.2	8.2	Read Inventory	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mandatory	ED
8.4	8.4	Update Inventory	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mandatory	ED
11.2	11.2	Read Firmware Version	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ED
12.1	12.1	Request WAN Matrix	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mandatory SMETS 2	ED
12.2	12.2	Device Pre-notification	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mandatory	ED
Count of N/A				10	32	34	33	34	34	35	35	35	28	

Managed by



Count of Mandatory	<u>4819</u>	0	0	0	1	0	0	0	0	6	25
Count of Mandatory SMETS 2	<u>78</u>	3	1	2	0	1	0	0	0	1	15
										Total Tests	<u>4041</u>

Amend Table 8.1.10 as follows:

8.4	8.4	Update Inventory	N	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Mandatory	RSA
<u>8.14</u>	<u>8.14.3</u>	<u>Communications Hub Status Update- Fault Return</u>	<u>N</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>Mandatory SMETS 2</u>	<u>RSA</u>
<u>8.14</u>	<u>8.14.3</u>	<u>Communications Hub Status Update- No Fault Returned</u>	<u>N</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>	<u>Mandatory SMETS 2</u>	<u>RSA</u>
11.2	11.2	Read Firmware Version	N	Mandatory	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	RSA