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MP304 ‘Scheduling Services for SMETS1 Devices (SRV 4.3)’

Annex A

Business requirements – version 0.1

About this document

This document contains the business requirements that support the solution for this Modification Proposal. It sets out the requirements along with any assumptions and considerations. The Data Communications Company (DCC) will use this information to provide an assessment of the requirements that help shape the complete solution.

1. Business requirements

This section contains the functional business requirements. Based on these requirements a full solution will be developed.

Business Requirements			
Ref.	Requirement	Responsible for delivery	MoSCoW
1	Add the Scheduled Mode of Operation to Service Reference Variant (SRV) 4.3	DCC	M
2	Enable SRV 5.1 to schedule SRV 4.3 on a repeating basis	DCC	M
3	Users should use Scheduled Services for SRV 4.3 when possible	DCC Users	S
4	Enable DCC User Interface Specification (DUIS) Extensible Markup Language (XML) Schema support for changing SRV 4.3 to a Schedulable Mode of Operation	DCC	M
5	Enable DUIS XML Schema support for changing SRV 5.1 to support Scheduling of Smart Metering Equipment Technical Specification (SMETS)1 SRV 4.3	DCC	M
6	Enable DUIS XML Schema support for an error if Users attempt to Schedule SRV 4.3 for a SMETS2 Device	DCC	M
7	Enable DUIS XML Schema support for Viewing New Schedules	DCC	M
8	Enable DUIS XML Schema support for Deleting SRV 4.3 Schedules	DCC	M

Key

- M = Must have
- S = Should have
- C = Could have
- W = Won't have

2. Considerations and assumptions

This section contains the considerations and assumptions for each business requirement.

2.1 General

This Solution will be applied to SMETS1 Devices (This Service Request should already be schedulable for SMETS2 Devices, however where it is not should be highlighted).

2.2 Requirement 1: Add the Scheduled Mode of Operation to Service Reference Variant SRV 4.3

As a Supplier, I want to use SRV 4.3 as a Scheduled Service for SMETS1 Devices, allowing the Data Service Provider (DSP) to schedule the SRV and not require extra Short Message Service (SMS) messages to wake the SMETS1 Device.

2.3 Requirement 2: Enable SRV 5.1 'Create Schedule' to schedule SRV 4.3 on a repeating basis

As a Supplier, I want to use SRV 5.1 to schedule SRV 4.3 on SMETS1 Devices in the future.

2.4 Requirement 3: Users should use Scheduled Services for SRV 4.3 when possible

Suppliers shall submit any Service Requests (SR) for the purpose of obtaining SMETS1 daily reads as a Schedulable SRV 4.3 when such a Service is available. This does not apply in cases after a Prepayment TopUp, SRV 2.2, or when a first SRV 4.3 has failed.

*Note this is a change to the Smart Energy Code (SEC) text only and is not intended as a DCC Total System change.

2.5 Requirement 4: Enable DUIS XML Schema support for changing SRV 4.3 to a Schedulable Mode of Operation

As the DCC, I want the DUIS XML Schema to support SRV 4.3 as a Schedulable Service.

2.6 Requirement 5: Enable DUIS XML Schema support for changing SRV 5.1 to support Scheduling of SMETS1 SRV4 .3

As the DCC, I want the DUIS XML Schema to support SRV 5.1 setting SRV 4.3 as a Schedulable Service in the future.

2.7 Requirement 6: Enable DUIS XML Schema support for an error if Users attempt to Schedule SRV 4.3 for a SMETS2 Device

As the DCC, I want the DUIS XML Schema to indicate an error if a Supplier attempts to use SRV 5.1 and SRV 4.3 for a SMETS2 Device.

2.8 Requirement 7: Enable DUIS XML Schema support for Viewing New Schedules

As a Supplier, I want to be able to read (view) the schedules created for SRV 4.3.

*Note this functionality is not new, but an extension of SRV 5.2.

2.9 Requirement 8: Enable DUIS XML Schema support for Deleting SRV 4.3 Schedules

As a Supplier, I want to be able to manage (delete) the schedules created for SRV 4.3.

*Note this functionality is not new, but an extension of SRV 5.3.

3. Solution options

This section outlines the solution for this Modification Proposal. It provides detailed information on the Proposed Solution for the business requirements contained in Section 1 of this document.

3.1 General

For SMETS1, SRV 4.3 'Read Instantaneous Prepay Values' can currently only be requested on an 'On-Demand' service basis or as a 'Future Dated' service. Due to the SMETS1 network each request requires at least one SMS text message. The volume of SRVs has increased by three times as much in volume, which will almost double the volume of SMS'.

By making SRV 4.3 such that it can be scheduled, and with Users using Scheduled requests rather than On Demand or Future Dated, the DCC estimates considerable cost savings.

4. Glossary

This table lists all the acronyms used in this document and the full term they are an abbreviation for.

Glossary	
Acronym	Full term
DCC	Data Communications Company
DSP	Data Service Provider
SEC	Smart Energy Code
SMETS	Smart Metering Equipment Technical Specifications
SMS	Short Message Service
SR	Service Request
SRV	Service Reference Variant
XML	Extensible Markup Language