

MP235 ‘Enhanced Meter Data access for Other Users’

Business Requirements – version 0.5

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
1	Allow Parties acting in the Other User Role to access SRV 4.2 'Read Instantaneous Export Registers'
2	Allow Parties acting in the Other User Role to access SRV 4.6.1 'Retrieve Import Daily Read Log'
3	Allow Parties acting in the Other User Role to access SRV 4.6.2 'Retrieve Export Daily Read Log'
4	Allow Parties acting in the Other User Role to access SRV 4.12.1 'Read Maximum Demand Import Registers'
5	Allow Parties acting in the Other User Role to access SRV 4.12.2 'Read Maximum Demand Export Registers'
6	Allow Parties acting in the Other User Role to access SRV 4.14 'Read Pre-payment Daily Read Log'
7	Allow Parties acting in the Other User Role to access SRV 4.16 'Read Active Power Import'
8	Allow Parties acting in the Other User Role to access SRV 6.2.1 'Read Device Configuration (Voltage)'
9	Allow Parties acting in the Other User Role to access SRV 6.2.5 'Read Device Configuration (Instantaneous Power Thresholds)'
10	Allow Parties acting in the Other User Role to access SRV 6.2.9 'Read Device Configuration (Payment Mode)'
11	Allow Parties acting in the Other User Role to access SRV 7.4 'Read Supply Status'

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 and SMETS2 Devices.

The proposer notes that this solution should be applied to 45,000 Consumers.

2.2 Requirement 1: Allow Parties acting in the Other User Role to access SRV 4.2 'Read Instantaneous Export Registers'

Parties acting in the Other User Role shall be allowed to access SRV 4.2 'Read Instantaneous Export Registers' on demand.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than four requests a month per Device for this SRV.

2.3 Requirement 2: Allow Parties acting in the Other User Role to access SRV 4.6.1 'Retrieve Import Daily Read Log'

Parties acting in the Other User Role shall be allowed to access SRV 4.6.1 'Retrieve Import Daily Read Log' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

As an On Demand Service, for SMETS2+ Devices, the Target Response Time shall be 30 seconds.

As an On Demand Service, for SMETS1 Devices, the Target Response Time shall be 16 seconds.

The Proposer has noted that they currently use Service Reference 4.8 (SRV's 4.8.1, 4.8.2 and 4.8.3) however these will be replaced by Service Reference 4.6 (SRV's 4.6.1 and 4.6.2) if the modification is approved. Therefore, the Proposer believes there will be a net zero impact on DCC in terms of the number of requests it receives.

2.4 Requirement 3: Allow Parties acting in the Other User Role to access SRV 4.6.2 'Retrieve Export Daily Read Log'

Parties acting in the Other User Role shall be allowed to access SRV 4.6.2 'Retrieve Export Daily Read Log' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

As an On Demand Service, for SMETS2+ Devices, the Target Response Time shall be 30 seconds.

As an On Demand Service, for SMETS1 Devices, the Target Response Time shall be 16 seconds.

The Proposer has noted that they currently use Service Reference 4.8 (SRV's 4.8.1, 4.8.2 and 4.8.3) however these will be replaced by Service Reference 4.6 (SRV's 4.6.1 and 4.6.2) if the modification is approved. Therefore, the Proposer believes there will be a net zero impact on DCC in terms of the number of requests it receives.

2.5 Requirement 4: Allow Parties acting in the Other User Role to access SRV 4.12.1 'Read Maximum Demand Import Registers'

Parties acting in the Other User Role shall be allowed to access SRV 4.12.1 'Read Maximum Demand Import Registers' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

As an On Demand Service, for SMETS2+ Devices, the Target Response Time shall be 24 hours.

As an On Demand Service, for SMETS1 Devices, the Target Response Time shall be 24 hours.

The DCC should expect less than four requests a month per Device for this SRV.

2.6 Requirement 5: Allow Parties acting in the Other User Role to access SRV 4.12.2 'Read Maximum Demand Export Registers'

Parties acting in the Other User Role shall be allowed to access SRV 4.12.2 'Read Maximum Demand Export Registers' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

As an On Demand Service, for SMETS2+ Devices, the Target Response Time shall be 24 hours.

As an On Demand Service, for SMETS1 Devices, the Target Response Time shall be 24 hours.

The DCC should expect less than four requests a month per Device for this SRV.

2.7 Requirement 6: Allow Parties acting in the Other User Role to access SRV 4.14 'Read Pre-payment Daily Read Log'

Parties acting in the Other User Role shall be allowed to access SRV 4.14 'Read Pre-payment Daily Read Log' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

As an On Demand Service, for SMETS2+ Devices, the Target Response Time shall be 30 seconds.

The DCC should expect less than 0.1 requests a month per Device for this SRV.

2.8 Requirement 7: Allow Parties acting in the Other User Role to access SRV 4.16 'Read Active Power Import'

Parties acting in the Other User Role shall be allowed to access SRV 4.16 'Read Active Power Import' on demand and as a scheduled request.

For Scheduled Services, the Target Response Time shall always be 24 hours.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than 10 requests a month per Device for this SRV.

2.9 Requirement 8: Allow Parties acting in the Other User Role to access SRV 6.2.1 'Read Device Configuration (Voltage)'

Parties acting in the Other User Role shall be allowed to access SRV 6.2.1 'Read Device Configuration (Voltage)' on demand.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than one request a month per Device for this SRV.

2.10 Requirement 9: Allow Parties acting in the Other User Role to access SRV 6.2.5 'Read Device Configuration (Instantaneous Power Thresholds)'

Parties acting in the Other User Role shall be allowed to access SRV 6.2.5 'Read Device Configuration (Instantaneous Power Thresholds)' on demand.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than 0.1 requests a month per Device for this SRV.

2.11 Requirement 10: Allow Parties acting in the Other User Role to access SRV 6.2.9 'Read Device Configuration (Payment Mode)'

Parties acting in the Other User Role shall be allowed to access SRV 6.2.9 'Read Device Configuration (Payment Mode)' on demand.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than 1 request a month per Device for this SRV.

2.12 Requirement 11: Allow Parties acting in the Other User Role to access SRV 7.4 'Read Supply Status'

Parties acting in the Other User Role shall be allowed to access SRV 7.4 'Read Supply Status' on demand.

For SMETS2+ Devices, the Target Response Time shall be 30 seconds.

For SMETS1 Devices, the Target Response Time shall be 16 seconds.

The DCC should expect less than 1 request a month per Device for this SRV.