BSCP706

relating to

Supplier Meter Registration Service for MHHS Metering Systems

1.   Reference is made to the Balancing and Settlement Code (the Code) for the Electricity Industry in Great Britain and in particular, to the definition of "BSC Procedure".

2.   This is BSCP706, Version 1.0 relating to the Supplier Meter Registration Service when used for MHHS Metering Systems.

3.   This BSC Procedure is effective from 22 September 2025.

4.   This BSC Procedure has been approved by the Panel.

CONTENTS

1   Introduction

1.1   Scope and Purpose of the Procedure

This BSC Procedure (BSCP) defines those activities which enable the Supplier Meter Registration Service (SMRS) to fulfil its functions, relating to the following: -

Provide Suppliers and their Agents with the Metering System Registration Data related to their registered (Suppliers) or appointed (Agents) Metering Systems respectively.

Receive and process Supplier data.

To update SMRS with information when the Supplier is the Data Master.

Receive and process Licensed Distribution System Operator (LDSO) data.

To update SMRS with information when the LDSO is the Data Master.

Receive and process Metering Service data.

To update SMRS with Meter Technical Details and any other information where the Metering Service (SVA MOA or UMSO) is the Data Master.

Receive and process Industry Standing Data (ISD).

To update SMRS with ISD and use it to validate any associated data.

Enable Registration Transfers between SMRS and CMRS.

To facilitate Registration Transfers of Third Party / Exemptable Generating Plant from SMRS to the Central Meter Registration Service (CMRS) and vice versa.

Enable new connections where the same Metering Equipment at an Exemptable Generating Plant is comprised in both an SVA Metering System and a Central Volume Allocation (CVA) Metering System, where Export Active Energy is traded in CVA and Import Active Energy is traded in SVA.

To ensure that relevant information is passed between appropriate participants and checks are carried out in CMRS and SMRS to facilitate this type of registration.

Record Metering System Registration Data

To record the set of Metering System Registration Data, as defined in Appendix 4.1, for each day that an SVA Metering System is registered on its SMRS.

1.2   Main Users of Procedure and their Responsibilities

This BSC Procedure should be used in the main by the SMRAs.

Each LDSO licence holder is required to provide a single SMRS. As there is no restriction on the number of LDSOs that operate within a single GSP Group, there may therefore be multiple SMRSs operating within that same GSP Group.

Service Users

The users of the SMRS are:

(a)   Suppliers – Providing and receiving Metering System Registration Data;

(b)   LDSOs – Providing and receiving Metering System Registration Data;

(c)   Metering Services – Providing and receiving Metering System Registration Data;

(d)   Data Services – Providing and receiving Metering System Registration Data;

(e)   Supplier Volume Allocation Agent (SVAA) as Industry Standing Data Manager (ISDM) – Providing ISD;

(f)   Electricity Retail Data Agent (ERDA) – Providing and receiving Metering System Registration Data via the Electricity Retail Data Service (ERDS);

(g)   Electricity Enquiry Service (EES) = Receiving Metering System Registration Data;

(h)   Transfer Co-ordinator – Co-ordinating Registration Transfers from SMRS to CMRS and vice versa;

(i)   The Balancing and Settlement Code Company (BSCCo); and

(j)   The Central Registration Agent (CRA).

1.3   Use of the Procedure

This procedure should be referred to by the users to understand the responsibilities and role of the SMRA and the relationships between the SMRA and the parties that interact with it, such as LDSO, Suppliers and appointed Party Agents.

The interface timetables in this BSCP show that any changes to Metering System Registration Data in SMRS shall be notified to impacted parties via the relevant message.

The remaining sections in this document are:

Section 2 – Service Description: this section sets out the functional requirements for an SMRS as well as any non-functional requirements specific to SMRAs.

Section 3 – Interface and Timetable Information: this section defines each business process in detail. In addition, there may be references to specific relevant 'D', 'IF' and/or 'P' messages in the 'Information Required' column.

Section 4 – Appendices: this section contains supporting information.

1.4 Balancing and Settlement Code Provision

This BSCP has been produced in accordance with the provisions of the Code. In the event of an inconsistency between the provisions of this BSCP and the Code, the provisions of the Code shall prevail.

The requirements of SMRAs under the Code can be found in BSC Sections J, K and S. An overview of these requirements is as follows:

The principal functions of an SMRS are to:

- Provide and operate a registration service in respect of those Boundary Points on the relevant Distribution System(s) which are not registered in CMRS;

- Provide data from such registration system to Parties, Party Agents and BSCCo for the purposes of Settlement; and

- Provide BSCCo with data from such registration system for the purposes of monitoring in accordance with BSCP533.

1.5 Associated BSC Procedures

The following BSCPs interact with BSCP706 and should be read in conjunction with it.

BSCP20	Registration of Metering Systems for Central Volume Allocation
BSCP68	Transfer of Registration of Metering Systems between CMRS and SMRS
BSCP537	Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs
BSCP550	Shared SVA Meter Arrangements of Half Hourly Import and Export Active Energy
BSCP700	Unmetered Supplies Data Service
BSCP701	Smart Data Service
BSCP702	Advanced Data Service
BSCP703	BSC Central Services for MHHS Metering Systems
BSCP705	Licensed Distribution for MHHS Metering Systems
BSCP709	Supplier Requirements for MHHS Metering Systems

1.6   Acronyms and Definitions

In addition, the following meanings and acronyms are used in this BSCP.

BSC	Balancing and Settlement Code (the Code)
BSCCo	Balancing and Settlement Code Company
CMRS	Central Meter Registration Service
Code	The Balancing & Settlement Code
CoS	Change of Supplier (also referred to in the REC as a Switch)
CSS	Central Switching Service
CRA	Central Registration Agent
CSS Registration Id	Unique Identifier for a Change of Supplier (Switch) event
CVA	Central Volume Allocation
Data	Those items denoted as used by the SMRS in the EMDS
Data Master	The Party responsible for maintaining a Data Item in SMRS
DIP	Data Integration Platform
DCC	Data Communications Company
DTS	Data Transfer Service
DTSA	Data Transfer Service Agreement
DUoS	Distribution Use of System
EFSD {REGI}	Effective From Settlement Date {Registration}
EMDS	Energy Market Data Specification – has the meaning given to the term "Data Specification" in the REC
ERDA	Electricity Retail Data Agent – has the meaning given to that term in the REC
ERDS	Electricity Retail Data Service – has the meaning given to that term in the REC
Failing Supplier	Has the meaning given to that term in each Supply Licence
GSP Group	Grid Supply Point Group
Invalid data	Data which falls outside pre-defined parameters, or is incomplete or is corrupt
ISD	Industry Standing Data
ISDM	Industry Standing Data Manager
Last Resort Supply Direction	Has the meaning given to that term in each Supply Licence
LDSO	Licensed Distribution System Operator
Market Message	Electronic message between participants which conforms to the EMDS
Metering Service	An SVA MOA or UMSO depending on the Market Segment

Metering System Registration Data	All BSCCo Required Data associated with an SVA Metering System held in the Supplier Meter Registration Service
MHHS	Market-wide Half Hourly Settlement
MPL Address	Metering Point Location Address
MSID	Metering System Identifier
PAB	Performance Assurance Board
Postal Address File	Has the meaning given to that term in the REC
Primary MSID	Has the same meaning as a Primary MPAN in the REC
REC	Retail Energy Code
Registration Transfer	Has the meaning given to that term in BSCP68
Related Metering System	Has the same meaning as Related Metering Point in the REC
Secondary MSID	Has the same meaning as a Secondary MPAN in the REC
Secured Active	A Registration status as defined in REC schedule 23
Skeleton Record	The initial record on an SMRS for a Metering System which contains the minimum data items required to create such a record
SMDR	Smart Meter Data Retriever
SMRA	Supplier Meter Registration Agent
SMRA Force Majeure	Has the meaning given to that term in Annex K-1 of the Code
SMRS	Supplier Meter Registration Service
SMRS Operating Hours	The operating hours of the SMRS as defined in section 2.2 (a)
SoLR	Supplier of Last Resort
SSD	Supply Start Date, which has the same meaning as EFSD {REGI}
SVA	Supplier Volume Allocation
SVAA	Supplier Volume Allocation Agent
SVA MOA	SVA Meter Operator Agent
UMSO	Unmetered Supplies Operator
Valid data	Data which falls within pre-defined parameters, and is complete and is not corrupt
Validation	The process by which data is tested in order to establish whether it is "valid data" or "invalid data"
WD	Working Day

All other terms are defined in Section X of the Code.

2.   Service Description

The SMRS is a service provided by each LDSO, when acting in its capacity as an SMRA, for the registration of Metering Systems within its Distribution System.

SMRAs are not Parties under the BSC. Where the BSC places an obligation on an SMRA, each LDSO shall ensure that its SMRS complies with the obligations set out in this BSCP for all MHHS Metering Systems.

SMRS validation procedures shall comply with the validation requirements in section 2.8 and Appendix 4.3. The SMRA shall also provide the additional services set out and described in section 2.7.

2.1   Entry Requirements and Qualification

In providing the services specified in this BSCP, the SMRA shall use systems and processes so approved in accordance with BSCP537 that comply with the Code and relevant BSCPs.

2.1.1   SMRA Entry Requirements

An SMRA shall not provide an SMRS until:

(a)   It is Qualified to provide an SMRS by satisfying the relevant Qualification Requirements;

(b)   It is Qualified to provide an Electricity Retail Data Service (ERDS) under the Retail Energy Code (REC);

(c)   It has received a valid Market Participant Id from the ISDM in respect of its Market Participant Roles as an LDSO and an SMRA; and

(d)   It has undergone Onboarding to realise operational access to the DIP.

2.2   Service Availability

The SMRA shall provide BSCCo with information derived from its systems and processes so approved in accordance with BSCP537, the EMDS and BSCP533 and its Appendices, such that the SMRA can comply with the requirements of this BSCP. All such communications shall be date-time stamped by the SMRS.

In addition:

(a)   Each SMRA shall provide, operate and maintain its SMRS during the SMRS Operating Hours of 05:00 hours to 18:00 and 21:00 to 23:00 on Working Days. During these hours, SMRS will process inbound messages and issue outbound notifications within the timescales set out in Section 3 and Appendix 4.

(b)   Each SMRA shall comply with their obligations as a DIP User. This may include requirements (e.g. in respect of Service Availability, Recovery and Outages) that go above and beyond those set out in this BSCP.

(c)   To support Agent Appointment completion, each SMRA will process all Secured Active Messages and process the Pending Appointment Queue by 21:00, including the production and publication of all required IF/PUB-035, IF/PUB-036 and IF/PUB-037 messages.

(d)   Each SMRA shall use its reasonable endeavours to ensure that any planned outages for its SMRS are scheduled so that there is the minimum amount of disruption to the provision of the SMRS. Each SMRA shall provide the service users with as much notice as possible of any planned suspension in the availability of its SMRS.

(e)   Each SMRS shall not plan outages within the Secured Active processing window.

(f)   In the event of any unplanned suspension in the operation of its SMRS, an SMRA shall use reasonable endeavours to make its SMRS available as quickly as possible.

Any failure of an SMRA to comply with the provisions above shall not relieve that SMRA from the service levels in section 2.3, except where such failure is due to SMRA Force Majeure (in which case the provisions of BSC Annex K-1 shall apply).

2.3   Service Levels

Each SMRA shall produce the notifications set out in section 3 and Appendix 4 in response to any notifications received within the SMRS Operating Hours.

Inbound messages[1] received outside of these hours will be queued and processed within 60 minutes of the commencement of the next operational window, which in most cases will be the start of the next Working Day as defined in section 2.2(a).

2.4   Service Management

Each SMRA shall make available contact details for service users to raise queries or report incidents in respect of its SMRS.

The SMRA shall ensure that suitably skilled individuals are available to address such queries or incidents and shall ensure timely resolution.

2.5   Reporting

Each SMRA shall comply with the BSC reporting obligations set out in BSCP711.

2.6   Retrospective Amendment of SMRS Data

The SMRA shall not permit SMRS data items to be retrospectively amended except in limited circumstance. These conditional rules are set out in Appendix 4.4.

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[1] Except where the number of queued messages exceeds the defined thresholds.

2.7   Supplier of Last Resort

Where an SMRA receives a copy of a direction (the "Last Resort Supply Direction") from the Authority to a Supplier of Last Resort (SoLR), the SMRA shall notify the SoLR as soon as reasonably possible, but within four Working Days of receiving such copy, of all data items held in its SMRS, in respect of all the Metering Systems in respect of which the failing Supplier is registered on its SMRS.

2.8   SMRS Validation Procedures

Each SMRA shall validate all relevant data submitted to the SMRS in accordance with the rules in Appendix 4 before accepting or rejecting the data. Upon rejection of data, the SMRA shall set out the reasons for rejection to the sending user.

The SMRS shall validate that data is sent by the party that is responsible for the provision and maintenance of that data item and ensure that all data for all Metering Systems conforms to the data validation rules outlined in Appendix 4.

2.9   SMRS Requirements

2.9.1   General Requirements

The SMRS must publish data in line with the timescales set out in this BSCP.

The SMRS must derive and populate the DIP addressing (primary recipients) for all outbound interfaces in line with the rules described in the EMDS.

The SMRS must be able to publish data in line with population notes, validation rules and formats as set out in the EMDS and Appendix 4.

The SMRS shall obtain ISD update notifications via subscription and where required take necessary steps to obtain refreshed ISD data, maintain their records accordingly and reference/ utilise ISD for validation as appropriate.

The SMRS must use ISD to identify the relevant DIP Id/Role or Market Participant Id and/or Market Participant Role to be used when communicating over the DIP.

The SMRS shall hold the Profile Class and Standard Settlement Configuration (SSC) values, applicable to each MSID where appropriate, which will be maintained using the IF/PUB-025.

The SMRS must provide and receive reports in line with the agreed reporting requirements and delivery method as set out in section 2.5.

The SMRS should implement appropriate data validation steps and techniques to ensure accurate and efficient delivery of the SMRS service.

The SMRS must maintain and update their records with any valid data received to ensure the most accurate and efficient delivery of the service.

2.9.2   Change of Supplier

The SMRS must, on receipt of a COS pending notification, publish Registration details of the Metering System to the Gaining Supplier via IF-002.

The SMRS must, on receipt of a Secured Active Notification, publish a Change of Supplier event to Gaining Supplier, BSC Central Systems and LDSO outlining the Supplier Registration details for the SVA Metering System, via IF-001.

2.9.3   Change of Metering Service

The SMRS must obtain and validate Supplier Appointment Requests for proposed Metering Services via IF/PUB-031 in line with rules set out in the EMDS and Appendix 4.

The SMRS must publish a Response to Appointment Request via IF/PUB-032 with initial acceptance of the proposed Metering Service where validation rules are met.

The SMRS must publish a Response to IF/PUB-031 Supplier Appointment Request via IF/PUB-032 with a rejection of the proposed Metering Service and associated rejection reason, where validation rules are not met.

The SMRS must publish a Request for Appointment to the proposed Metering Service using the IF-033 where initial validation rules are met.

The SMRS must notify the Metering Service of the proposed Domestic Premises Indicator provided by the Supplier in the Supplier's Appointment Request, when sending a Request for Appointment.

The SMRS must obtain Response to Appointment Requests from the proposed Metering Service via IF/PUB-034 and maintain records accordingly.

The SMRS must validate Agent Responses to Appointment Requests from the proposed Agent in line with the validation rules set out in Appendix 4 and the EMDS.

The SMRS must publish an Appointment Status Notification to the Supplier and Metering Service confirming the Agent response via IF/PUB-035.

The SMRS must, where a Traditional or Advanced Meter is installed, publish an Appointment Status Notification to the incumbent Metering Service via IF/PUB-035 where the proposed Metering Service has accepted.

The SMRS must, in cases where the proposed Metering Service appointment is accepted, determine the processing path to be followed:

1. "On the day" (Appointment start date = processing date and existing supplier = requesting supplier)

2. "Retro" (Appointment start date = Previous Appointment End Date +1 and Appointment start date< processing date and Existing Supplier = Requesting Supplier)

3. "Prospective" (All other appointments)

The SMRS must, where more than one Metering Service appointment request is received from the same Supplier for the same CSS Registration Id, , take the most recent Metering Service appointment based on sender timestamp as the correct information. Any earlier appointments should be lapsed.

The SMRS must be able to hold Prospective Agent appointments in a Prospective Appointments Queue for future validation and re-processing as daily ERDS Secured Active notifications are received.

The SMRS must process "On the day" and "Retro" Metering Service appointments as soon as they are identified, i.e. they should not be held in the queue longer than necessary ahead of ERDS Secured Active notifications being received.

The SMRS must, following receipt of ERDS Secured Active notifications, select Prospective Appointments from the Prospective Appointment Queue to process. Where a new Supplier ID / SSD combination (notified by an ERDS Secured Active notification) exactly matches the Supplier ID and start date of a prospective Metering Service Appointment then this appointment should be processed.

The SMRS must publish an Appointment Status Notification to lapse the proposed appointment, using IF/PUB-035, where an ERDS Cancelled notification is received with an Appointment EFD matching the cancelled Supplier's SSD.

The SMRS must, on receipt of an ERDS Secured Active notification, process Prospective Appointments from the Prospective Appointment Queue, where the current Supplier Id matches the Supplier Id that requests a prospective Metering Service appointment and the Metering Service Start Date equals the System Date + 1 but is less than the [future] Supply End Date.

The SMRS must re-run validation, in line with the rules set out in the EMDS and Appendix 4, for all confirmed Metering Service appointments in the Prospective Appointment Queue, to ensure that the appointment is still valid.

The SMRS must lapse prospective appointment requests, following receipt of the ERDS Secured Active notifications and checking for appointments to process, where remaining prospective appointment start dates can no longer be achieved. (Metering Service Appointment Start Date <= System Date)

The SMRS must lapse prospective appointment requests following receipt of the ERDS Secured Active notifications, where the existing Supplier requests the new Metering Service Appointment, but the Appointment Start Date is on or after the Supply End Date.

The SMRS must publish a Notification of De-Appointment using IF/PUB-037 where the end date for the incumbent Metering Service has been confirmed by an ERDS Secured Active notification.

The SMRS must publish a Notification of De-Appointment using IF/PUB-037 where a Change of Metering Service only appointment is confirmed.

The SMRS must publish an Appointment Status Notification (MSAppLapsed) using IF/PUB-035 where the proposed Metering Service appointment has lapsed or is rejected following failed validation.

The SMRS must publish a Notification of Appointment & Supporting Info with registration and metering details via IF/PUB-036 when a Metering Service appointment has been confirmed and will become effective.

The SMRS must re-publish a Notification of De-Appointment using IF/PUB-037 where a retrospective Metering Service appointment is confirmed, i.e. the original de-appointment will not have had incoming Agent(s) populated and the re-publish provides the missing details.

The SMRS must check for any Associated Export SVA Metering Systems when a Metering Service appointment has been confirmed.

The SMRS must publish an Export Metering System appointment confirmation via IF/PUB-036 for any Associated Export SVA Metering Systems. The same Metering Service and EFD as the Import Metering System should be notified.

The SMRS must publish an Export Metering System de-appointment, with a reason of "IMPEXP" via IF/PUB-037 for any Associated Export Metering Systems.

The SMRS must check for any Related SVA Metering Systems when a Metering Service appointment has been confirmed.

The SMRS must publish a Related Metering System appointment confirmation via IF/PUB-036 for any Secondary Related Metering Systems. The same new Metering Service and EFD as the Primary Metering System should be notified.

The SMRS must publish a Related Metering System de-appointment, with a reason of "RELATED", via IF/PUB-037 for Related Metering Systems. The same Metering Service and EFD should be notified for all Metering Systems.

The SMRS must obtain Customer Direct Contract Advisory notifications from a Metering Service via IF/PUB-038, validate the request in line with the rules set out in the EMDS and Appendix 4 and update records accordingly.

The SMRS must hold a history of Metering Service Customer Direct Contract flags against each SVA Metering System. This must consist of the following data items:

- Customer Direct Contract Metering Service Id
- Customer Direct Contract Metering Service Effective From Date
- Customer Direct Contract Metering Service Effective To Date

The SMRS must publish a Customer Direct Contract acceptance or rejection to the requesting Metering Service via IF/PUB-039. Where validation rules are not met, a rejection reason should be included.

2.9.4   Change of Data Service

The SMRS must obtain Supplier Appointment Requests for a proposed Data Service via IF/PUB-031.

The SMRS must validate Supplier Appointment Requests for a proposed Data Service in line with the rules set out in the EMDS and Appendix 4.

The SMRS must publish a Response to Supplier Appointment Request via the IF/PUB-032 with initial acceptance of the proposed Data Service where validation rules are met.

The SMRS must publish a Response to Supplier Appointment Request via the IF/PUB-032 with a rejection of the proposed Data Service and associated rejection reason, where validation rules are not met.

The SMRS must publish a Request for Appointment for the proposed Data Service via IF/PUB-033 where initial validation rules are met.

The SMRS must notify the Data Service of the Domestic Premises Indicator provided by the Supplier in the Supplier's Appointment Request, when sending a Request for Appointment.

The SMRS must obtain Agent Appointment Request Responses from the proposed Data Service via IF/PUB-034 and maintain records accordingly.

The SMRS must validate Agent Appointment Request Responses from the proposed Data Service in line with the validation rules set out in the EMDS and Appendix 4 for IF/PUB-034.

The SMRS must publish an Appointment Status Notification to the Supplier and Data Service confirming the Data Service response via IF/PUB-035.

The SMRS shall, for Traditional or Advanced Metering Systems, publish an Appointment Status Notification of the Data Service Id to the incumbent Metering Service via IF/PUB-035 where the Data Service has accepted.

The SMRS must, in cases where the proposed Data Appointment is accepted, determine the processing path to be followed:

1. "On the day" (Appointment start date = processing date and existing supplier = requesting supplier)

2. "Retro" (Appointment start date = Previous Appointment End Date +1 and Appointment start date< processing date and Existing Supplier = Requesting Supplier)

3. "Prospective" (All other appointments)

The SMRS must, where more than one Data Service Appointment request is received from the same Supplier for the same Metering System, take the last received Data Service Appointment (based on Sender timestamp) as containing the correct information. Any earlier appointments should be lapsed.

The SMRS must be able to hold Prospective Data Service Appointments in a Prospective Appointments Queue for future validation and re-processing as the daily ERDS Secured Active notifications are received.

The SMRS must process "On the day" and "Retro" Data Service Appointments as soon as they are identified i.e. they should not be held in the queue for any longer than is necessary, ahead of the ERDS Secured Active notifications being received.

The SMRS must, following receipt of the ERDS Secured Active notifications, select Prospective Appointments from the Prospective Appointment Queue to process. Where a new Supplier ID and SSD combination (notified by a ERDS COS secured notification) exactly matches the Supplier ID and Appointment start date of a prospective Data Service then this appointment should be processed.

The SMRS must publish an Appointment Status Notification, to lapse the proposed appointment, via IF/PUB-035, where an ERDS Cancelled notification is received with an Appointment EFD matching the cancelled Supplier's SSD.

The SMRS must, following receipt of ERDS Secured Active notifications, process Prospective Appointments from the Appointment Queue where the current Supplier Id matches the Supplier Id requesting a prospective Data Service Appointment and the Data Service Start Date equals the System Date + 1 but is less than the Supply End Date.

The SMRS must re-run validation, in line with the validation rules set out in Appendix 4 for all Data Appointments that have been confirmed to re-process from the Prospective Appointment Queue, to ensure that the appointment is still valid.

The SMRS must lapse prospective appointment requests, following receipt of ERDS Secured Active notifications and check for queued appointments where appointment start dates are no longer achievable (Data Appointment Start Date <= System Date).

The SMRS must lapse prospective appointment requests following receipt of ERDS Secured Active notifications, where the existing Supplier requests the new Data Service Appointment, but the Appointment Start Date is greater than or equal to the Supply End Date.

The SMRS must publish a Notification of De-Appointment via IF/PUB-037 where the end date for the incumbent Data Service Appointment has been confirmed by an ERDS Secured Active notification.

The SMRS must publish a Notification of De-Appointment via IF/PUB-037 where a Change of Data Service is confirmed.

The SMRS must publish an Appointment Status Notification (DSAppLapsed) via IF/PUB-035 where the proposed Data Service Appointment has lapsed or is rejected following failed validation.

The SMRS must publish a Notification of Appointment & Supporting Info with registration and metering details via IF/PUB-036 when a Data Service Appointment has been confirmed and will become effective.

The SMRS must set the Consent Granularity in line with that associated with the appointment, with an EFD equal to the appointment start date.

The SMRS must re-publish a Notification of De-Appointment via IF/PUB-037 where a retrospective Change to a Data Service Appointment is confirmed (i.e. the original de-appointment does not have incoming Agent(s) populated and the re-publish provides the missing details).

The SMRS must check for any Associated Export SVA Metering Systems when a Data Service Appointment has been confirmed.

The SMRS must, where applicable for non-Smart Metering Systems, publish an Export Metering System de-appointment, with a reason of "IMPEXP", via IF/PUB-037 for any Associated Export Metering Systems. The same new Data Service and EFD should be notified for both Metering Systems.

The SMRS must, for non-Smart Metering Systems, publish an Export Metering System appointment confirmation via IF/PUB-036 for any Associated Export Metering Systems with the same Data Service and Appointment EFD. Where Consent Granularity for the export Metering System is not available, this should be defaulted to "H".

The SMRS must check for any Related SVA Metering Systems when a Data Service Appointment has been confirmed.

The SMRS must automatically publish a Secondary Related Metering System de-appointment, with a reason of "RELATE", via IF/PUB-037 for any Related Metering Systems. The same new Data Service and EFD should be notified.

The SMRS must publish a Related Metering System appointment confirmation via IF/PUB-036 for any Secondary Related Metering Systems. The same new Data Service and EFD as the Primary Metering System should be notified.

The SMRS must hold a history of Data Service customer direct contract flags against each Metering System, consisting of the following data items:

- Customer Direct Contract Data Service Id
- Customer Direct Contract Data Service Effective From Date
- Customer Direct Contract Data Service Effective To Date

The SMRS must obtain Customer Direct Contract Advisory notifications from a Data Service via IF/PUB-038, validate the request in line with rules in the EMDS and Appendix 4 and update records accordingly.

The SMRS must publish a Customer Direct Contract acceptance or rejection to the requesting Data Service via IF/PUB-039. Where validation rules are not met, a rejection reason should be included.

2.9.5   Maintenance of Smart Meter Data Retriever (SMDR) Id

The SMRS shall maintain a flag against the SDS and SMDR appointment record to show the outcome of the most recent ERDS update.

The SMRS must publish an Appointment Status Notification to the Data Service via IF/PUB-035 to pass on the outcome of a new SMDR update.

2.9.6   Change of existing Agent Appointment details

The SMRS must obtain Supplier Appointment Requests for a proposed Agent amendment via IF/PUB-031.

The SMRS must validate changes to an existing Agent Appointment in line with the validation rules set out in the EMDS and Appendix 4 for IF/PUB-031.

The SMRS must publish a Response to Supplier Appointment Request, using the IF/PUB-032, with initial acceptance of the proposed Appointment Amendment where validation rules are met.

The SMRS must publish a Response to Supplier Appointment Request, using the IF/PUB-032, with a rejection of the proposed Appointment Amendment and associated rejection reason, where validation rules are not met.

The SMRS must publish a Request for Appointment to the proposed Agent using the IF/PUB-033 where initial validation rules are met.

The SMRS must obtain Responses to a change to existing Agent Appointment from the proposed Agent via IF/PUB-034 and maintain records accordingly.

The SMRS must obtain Smart Data Service initiated change of SMDR requests via IF/PUB-034 and maintain records accordingly.

The SMRS must validate Response to Appointment Requests from the proposed Agent and SDS-initiated change of SMDR requests in line with validation rules set out in Appendix 4 for IF/PUB-034.

The SMRS must publish an Appointment Status Notification confirming the Agent response/ SDS initiated SMDR update using IF/PUB-035.

The SMRS must, where a SMDR has been updated (or the same SMDR is provided and the CSS update for the appointment has failed), inform CSS of the SMDR.
The SMRS must, in the case of an accepted Data Service[2] update, apply the updated Contract Reference and Read Frequency for Associated Export Metering Systems and publish an Appointment Status Notification using IF/PUB-035.

The SMRS must, in the case of an accepted Data Service update, apply the updated Contract Reference, Read Frequency and SMDR (SDS Smart Metering Systems) for any Secondary Related Metering Systems and publish an Appointment Status Notification using the IF/PUB-035.

The SMRS must, in the case of an accepted Metering Service update, apply the updated Contract Reference for any Associated Export SVA Metering Systems and publish an Appointment Status Notification using the IF/PUB-035.

The SMRS must, in the case of an accepted Metering Service update, apply the updated Contract Reference for any Secondary Related SVA Metering Systems and publish an Appointment Status Notification using the IF/PUB-035.

2.9.7   Creation of New Skeleton Record for SVA Metering System

The SMRS must receive notification from the LDSO by internal interface that a new SVA Metering System has been created.

The SMRS must set the energisation status to "D" on notification that a new SVA Metering System has been created.

The SMRS must receive notification from the LDSO by internal interface of any Export SVA Metering System relationships where required and update records accordingly.

The initial Market Segment of an SVA Metering System in SMRS shall denote the Connection Type notified at the point of Metering System creation. Where the Connection Type is whole current, the Supplier requesting the SVA Metering System

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[2] For Advanced Segment Metering Systems only

creation should nominate an initial segment (Smart or Advanced) based on their best understanding of the metering to be installed at the site.

The SMRS must publish an EES update, on creation of a new SVA Metering System in SMRS, using the IF/PUB-050.

2.9.8   Change of Supplier or Initial Registration

The SMRS must receive details of the Initial Registration or Change of Supplier via the Electricity Retail Data Service (ERDS) interface in accordance with the REC.

The SMRS must publish Registration details and associated site information to the incoming Supplier via IF/PUB-002.

The SMRS must, following a Data Service Appointment the initial Data Service Appointment Effective From Date being reached, set the MP Status to "Traded" and RMP status to "Operational".

The SMRS must publish an Initial Registration or Change of Supplier event to the Supplier, BSC Central Systems and LDSO with the Registration details for a New SVA Metering System via IF/PUB-001.

2.9.9   Disconnection and Registration Deactivation

The SMRS must receive updates of any disconnected SVA Metering Systems from the LDSO via internal interface and update records accordingly.

The SMRS must publish details of disconnection to the Supplier, BSC Central Systems, EES and LDSO via IF/PUB-009.

The SMRS must, on receipt of a Registration De-activation notification from ERDS, publish details of the registration de-activation to BSC Central Systems and LDSO via IF/PUB-009.

Where CSS Registration Deactivation of a Metering System becomes overdue or has not occurred, the SMRS will issue an IF/PUB-009 to the current Supplier with a reason code of [MPANReconnection].

The SMRS must, on receipt of a Registration De-activation notification from ERDS, update the status to De-energised and send a 'de-energised' notification for Metering Systems where the Energisation Status is Energised, via IF/PUB-008.

The SMRS must, on receipt of a registration de-activation notification from ERDS, send a de-appointment notification to all appointed Agents with a reason of 'DEREG' via IF/PUB-037.

The SMRS must, on receipt of a registration de-activation notification from ERDS, publish an Appointment Status Notification (lapsed notification) via IF/PUB-035 for any outstanding prospective appointments for that Metering System.

2.9.10   Change of Energisation Status

The SMRS must obtain details of a successful change of energisation request from the Metering Service via IF/PUB-007.

The SMRS must carry out validation in line with the validation rules set out in Appendix 4 for the IF/PUB-007.

The SMRS must, on failure of any validation rules, publish a rejection of the energisation update to the Metering Service via IF/PUB-008 with the associated failure reason.

The SMRS must, on passing all validation rules, update SMRS and publish acceptance of the energisation update via IF/PUB-008.

2.9.11   Change of Meter Technical Details (MTDs)

The SMRS must obtain updated metering details from the SVA MOA via the IF/PUB-005.

The SMRS must obtain updated meter history details from the SVA MOA via IF/PUB-005 and consider if/how a change history is maintained.

The SMRS must carry out validation of the metering update in line with the validation rules set out in Appendix 4 for IF/PUB-005.

The SMRS must, on failure of any validation rules, publish a rejection of the MTD update, with failure reason, to the SVA MOA via IF/PUB-006.

The SMRS must, on passing all validation rules, update SMRS and publish acceptance of the update via IF/PUB-006.

2.9.12   Change of Metering System Registration Data

The SMRS must receive and process notification from LDSO of change of MPL Address and/or GSP Group via internal interface, update SMRS and publish MPL address/ GSP Group ID updates via IF/PUB-018.

The SMRS must receive notification of Domestic Premises Indicator updates via the ERDS interface in accordance with the REC and update the Domestic Premises Indicator as notified and the Domestic Premises Indicator EFD with the date the notification is received

The SMRS must publish changes to Domestic Premises Indicator via IF/PUB-018. However, in a Change of Supplier (CoS) scenario, no IF/PUB-018 is required.

The SMRS must obtain Consent Granularity Indicator updates from the Supplier via IF/PUB-025 and carry out validation of Consent Granularity Indicator updates in line with rules set out in the EMDS and Appendix 4.

The SMRS must publish Consent Granularity Indicator updates via IF/PUB-026.

The SMRS must receive notification from LDSO of updated DUoS Tariff Id via internal interface from LDSO, update SMRS and publish DUoS Tariff Id updates via IF/PUB-018.

The SMRS must receive and validate Related SVA Metering System updates via IF/PUB-019 and maintain records accordingly. The SMRS should populate Primary and Secondary SVA Metering System fields.

The SMRS must publish successful Related SVA Metering System updates via IF/PUB-020 and trigger a market segment re-evaluation.

The SMRS shall allow a change of Energy Direction by the LDSO using an internal interface. The SMRS should prevent any proposed updates where there is an Associated Import/Export SVA Metering System.

The SMRS must publish changes to Energy Direction via IF/PUB-018.

The SMRS shall allow a change by the LDSO to Metered Indicator from 'Metered' to 'Unmetered' status and update Metered Indicator and Connection Type accordingly.

The SMRS must publish Metered Indicator updates via IF/PUB-018.

The SMRS must obtain Associated Import/Export Metering System updates from the LDSO via internal interface.

The SMRS must publish Import/Export Association updates via IF/PUB-020.
For Associated Import/ Export SVA Metering Systems the Data item "Associated Import/Export Metering System" should be populated for Export SVA Metering Systems with the Associated Import SVA Metering System.

The SMRS must obtain and validate In-house Display (IHD) updates from the Supplier via IF/PUB-025 and maintain records accordingly.

The SMRS must publish validated IHD updates via IF/PUB-026.

The SMRS must obtain and validate Smart Metering System Operator (SMSO) updates from the Supplier via IF/PUB-025 and maintain records accordingly.

The SMRS must publish validated SMSO updates via IF/PUB-026.

The SMRS must obtain and validate Profile Class and SSC updates from the Supplier via IF/PUB-025 and maintain records accordingly

The SMRS must publish validated Profile Class and SSC updates via IF/PUB-026.

The SMRS must receive notification from DCC of updated enrolment information and, where valid, publish updates via IF/PUB-018.

The SMRS must receive notification from GDCC of active Green Deal Plans on an SVA Metering System.

The SMRS must publish updates to EES via IF/PUB-50, such as when the MP Status and/ or RMP Status changes.

2.9.13 Change of Connection Type and/or Market Segment

The SMRS shall receive Connection Type updates from the LDSO via internal interface and maintain records accordingly. In the case of Related SVA Metering Systems and Associated Import/Export SVA Metering Systems, the SMRS shall accept updates for the Primary or Import SVA Metering System only. Secondary Related SVA Metering Systems or Associated Export SVA Metering Systems should then be updated accordingly.

The SMRS must hold a Market Segment Valid Flag, Market Segment Valid Flag EFD and a history of Market Segment against each SVA Metering System. This must consist of the following new data items:

- Market Segment
- Market Segment Effective From Date

The SMRS must derive a value for Market Segment based on the Connection Type and Meter Type following a Change of Metering, Change of Connection Type (Change of Unmetered Indicator) or Change of Related SVA Metering System relationships or Import/Export Associations.

The SMRS must, in the case of Associated or Related SVA Metering Systems and following derivation of Market Segment for individual SVA Metering Systems, update the Market Segment for the Primary SVA Metering System and all the Secondary SVA Metering Systems based on the following rule:

- If any SVA Metering System in a Related SVA Metering System Group has a (derived) Market Segment of Advanced, then set the Market Segment for all Related SVA Metering Systems to Advanced and set the Market Segment Valid Flag to "Yes" for all the Related SVA Metering Systems.

- If any SVA Metering System in an Associated Import/Export SVA Metering System Group has a (derived) Market Segment of Advanced, then set the Market Segment for all Associated SVA Metering Systems to Advanced and set the Market Segment Valid Flag to "Yes" for all Associated SVA Metering Systems.

The SMRS must, in circumstances where the derived market segment is valid, update to the new Market Segment and set the Market Segment Valid Flag to "Yes" and set the Market Segment Valid Flag Date.

The SMRS must notify participants of any SVA Metering System where the Connection Type has changed using the IF/PUB-043.

The SMRS must notify participants of any SVA Metering System where the Market Segment has changed using the IF/PUB-044.

The SMRS must, in circumstances where the derived market segment is invalid, maintain the existing Market Segment and set the Market Segment Valid Flag to "No" and set the Market Segment Valid Flag Date.

The SMRS must, for sites that are not unmetered and where there is no metering installed, continue to maintain the existing market segment until such time as either a Connection Type change or new metering is successfully applied to that site. During this time the Market Segment Valid Flag should be set to "Yes".

On completion of a change of Connection Type only, the Market Segment should be re-evaluated and set appropriately for the new Connection Type, even if there is no meter installed. The Market Segment Valid Flag should be set to "Yes".

The SMRS must not apply any segment based validation rules on receipt of a Supplier Appointment Request where the Appointment reason is "SEG". All other rules, as set out in the EMDS and Appendix 4 should be applied.

The SMRS must, where the Appointment reason is SEG, only send a lapsed/rejected appointment notification to the Agent if it is 3 working days beyond the appointment date, unless the appointment date is less than the system date and the Supplier requesting the appointment is not the current Supplier.

The SMRS must allow a prospective SVA MOA to provide updated metering details for an SVA Metering System, via IF/PUB-005, where there is a prospective SVA MOA Appointment for that Metering System, the Appointment reason is "SEG" and the metering activity date is >= the prospective appointment date.

The SMRS must, following re-evaluation of Market Segment, where any currently appointed Agent is no longer compatible with the revised Market Segment or the Market Segment Valid Flag is "No", auto de-appoint that Agent with an ETD of [Market Segment ETD - 1].

In the case of Related Metering Systems and Associated Import/Export Metering Systems, The SMRS must also de-appoint all secondary Related Metering Systems/ Associated Export Metering Systems when the Primary or Import Metering System is de-appointed. De-appointment should not be triggered by a secondary Related Metering System or an Associated Export Metering System.

2.9.14   Advisory Notifications

The SMRS must notify the responsible Supplier of any SVA Metering System where there are missing Agent(s) on the SSD via IF/PUB-045. This notification should be re-triggered every 7 calendar days until all Agents are appointed.
The SMRS must notify the responsible Supplier via IF/PUB-045 of any Metering Systems where the Market Segment Valid Flag is "No" for more than 3 working days. This notification should be re-triggered every 7 calendar days until the Market Segment Valid Flag is "Yes" and continue even where there is a Change of Supplier.

The SMRS must notify the responsible Supplier via IF/PUB-026 of any Metering System where the Consent Granularity is not valid for the combination of Domestic Premises Indicator, Market Segment and Energy Direction. This notification should be re-triggered every 7 calendar days until a valid Consent Granularity is set.

2.9.15   Treatment of Related and/or Associated Import/Export Metering Systems

The SMRS must, after processing the prospective appointment queue each day, in cases where there are Related Metering Systems or Associated Import/Export Metering Systems, review for any Secondary Metering Systems/ Export Metering Systems that do not have the same Metering Service as the Primary Metering System or Associated Import Metering System.

The SMRS shall publish a de-appointment notification via IF/PUB-037 for any Secondary Related Metering System or Associated Export Metering System which have a misaligned Metering Service. The Metering Service should be de-appointed with an Effective Date of D.

The SMRS shall publish an appointment confirmation via IF/PUB-036 for any Secondary Metering System or Associated Export Metering System where the Metering Service needs to be aligned with the Primary/ Import Metering System. The shared Metering Service should be appointed with an EFD of D+1.

The SMRS must, after processing the prospective appointment queue each day, in the case where there are Related Metering Systems (Smart and Advanced) or Associated Import/Export Metering Systems (Advanced only), review for any Secondary Metering Systems/ Export Metering Systems that do not have the same Data Service as the Primary SVA Metering System/ Associated Import SVA Metering System.

The SMRS must publish a de-appointment notification via IF/PUB-037 for any Secondary Related Metering System or Associated Export Metering System which have a misaligned Data Service. The Data Service should be de-appointed with an Effective Date of D.

The SMRS must publish an appointment confirmation via IF/PUB-036 for any Secondary SVA Metering System or Associated Export Metering System needing to be aligned with the Primary or Associated Import Metering System. The shared Data Service should be appointed with an EFD of D+1.

3 Interface and Timetable Information

3.1 SMRS accesses Industry Standing Data

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.1.1	On the scheduled ISD Publish Date	SMRS Receives notification of ISD Update on Publish or Re-publish.	ISD	SMRS	IF/PUB-047 Notification of the Publication of a Downloadable Asset	DIP Interface
3.1.2	Following 3.1.1	SMRS Accesses ISD Update using Distribution Delivery URI	SMRS	ISD	ISD Data	Distribution Delivery URI
3.1.3	Following 3.1.2	SMRS Validates and, if valid, stores ISD Update	SMRS		Internal Process	
3.1.4	If ISD is invalid and/or incomplete.	Send notification and await receipt of ISD Update – go back to 3.1.2	SMRS	ISDM	P0035 Invalid Data.	Electronic or other method, as agreed.
3.1.5	Following 3.1.3	Ensure all ISD affecting the accuracy of Settlement is accurately entered and used in performing its functions.	SMRS			Internal Process.
3.1.6	After re-publish of ISD if invalid.	SMRS Receives notification of ISD Update – return to step 3.1.1	ISD	SMRS.	IF/PUB-047 Notification of the Publication of a Downloadable Asset	DIP Interface

3.2   New Skeleton Record for SVA Metering System

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.2.1	On receipt of request from LDSO	SMRS creates Skeleton Record for new SVA Metering System.	LDSO	SMRS	Registration Data items in Appendix 4.1 required for the creation of a Skeleton Record where LDSO is the Data Master Where a default DUoS Tariff Id has been used for a new connection, the LDSO shall use this process to replace it with an actual DUoS Tariff Id where applicable. Where set as part of a Registration Transfer from SMRS to CMRS, the logical disconnection date should be one day before the Effective From Date in BSCP68 Section 3.1.	Internal Interface
3.2.2	Notify EES of Metering System Creation	SMRS issues IF/PUB-050 to EES to notify the creation of the new SVA Metering System	SMRS	EES	IF/PUB-050 EES Updates	DIP Interface

3.3 Change of Supplier or Initial Registration for SVA Metering System

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.3.1	Within 1 hour of notification by ERDS of a pending registration or switch (Change of Supplier) for an SVA Metering System.	Notify change of Supplier for MSID and SSD. SMRS sends IF/PUB-002 to prospective Supplier containing all current data held in SMRS to enable the Supplier to determine the correct Agents.	SMRS	New Supplier	IF/PUB-002 Notification to New Supplier of Site Information	
3.3.2	Following 3.3.1	Follow process for Agent Appointment for SVA Metering System for installed Metering and Connection Type as set out in section 3.4.				
3.3.3	Within the Secured Active (Gate Closure) processing window for an SVA Metering System.	SMRS publishes New Supplier information to the Supplier, LDSO, EES and BSC Central Systems.	SMRS	BSC Central Systems LDSO New/Initial Supplier EES	IF/PUB-001 Notification of Change of Supplier	

3.4 Agent Appointment for SVA Metering System

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.1	At any time	SMRS receives 'Supplier Appointment Request' and validates the content of the message in line with the Registration Validation Rules for Agent Appointments.	Supplier	SMRS	IF/PUB-031 Supplier Agent Appointment Request	DIP Interface
3.4.2	Within 1 hour of 3.4.1	SMRS responds to the 'Supplier Agent Appointment Request' with the appropriate response or Valid or Failed to the Supplier	SMRS	Supplier	IF/PUB-032 SMRS Supplier Agent Appointment Request Response	DIP Interface
3.4.3	Within 1 hour of 3.4.1 after 3.4.2	Where the Supplier Appointment Request is valid, SMRS sends 'Request for Agent Appointment' to the nominated Agent	SMRS	Data Service or Metering Service	IF/PUB-033 SMRS Request for Supplier Agent Appointment	DIP Interface
3.4.4	Within 1 hour of 3.4.3	Agent sends response to the Appointment Request	Data Service or Metering Service	SMRS	PUB-034 Agent Response to Appointment Request	DIP Interface
3.4.5	Within 1 hour of 3.4.4	SMRS manages the appointment responses from the Agent(s) and retains accepted responses in the background until the Effective from date when it will reflect as a live appointment	SMRS		Agent Appointment information as set out in Appendix 4.1	Internal Process
3.4.6	Within 1 hour of 3.4.4 after 3.4.5	SMRS sends out all responses received from Agents back to Supplier and Agents.	SMRS	Data Service Metering Service Supplier	IF/PUB-035 SMRS Appointment Status Notification	DIP Interface

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.4.7	Following 3.4.6	SMRS determines how to continue with Change of Agent event depending on EFF from date for the data service and COS date. For 'same day' or retrospective appointment events, the SMRS will process appointments on the day and move to step 3.4.13. For prospective appointments, the SMRS will hold these in a queue and re-process daily after ERDS updates have been received or until the Agent's 'eff from date' comes into effect. If the appointment does not correspond with an ERDS Supplier registration, SMRS will Lapse the appointment, meaning the appointment is no longer valid and the existing data service will remain appointed.	SMRS			DIP Interface
3.4.8	By 21:00 hrs on the same day	SMRS issues de-appointment notification to the previous data service after Notification of ERDS Secured Active status is received or the prospective Data Service EDS is reached	SMRS	Old Agents	IF/PUB-037 SMRS Notification of Supplier Agent De-Appointment	DIP Interface
3.4.9	By 21:00 hrs on the same day	SMRS issues lapsed notification where no ERDS Secured Active notification is received for the appointment date or SMRS has a new Agent Appointment that supersedes the open prospective appointment	SMRS	New Agents Supplier	IF/PUB-035 SMRS Appointment Status Notification	DIP Interface
3.4.10	By 21:00 hrs on the same day	SMRS issues confirmation to Agent that their appointment is now active and sends Smart Meter Technical Details held in registration. SMRS shares the Metering Service Id with the Data Service Agent and vice versa.	SMRS	Data Service Supplier LDSO Metering Service EES	IF/PUB-036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD

3.4.11	By 21:00 hrs on the same day	SMRS automatically publishes de-appointment(s) with the correct reason code via IF/PUB-037 for Associated Export or Related Metering Systems. The same Agent and effective date should be notified, except in the case of SDS appointments for associated Export MSIDs.	SMRS	Data Service Metering Service Supplier	IF/PUB-037 SMRS Notification of Supplier Agent De-Appointment	DIP Interface
3.4.12	By 21:00 hrs on the same day	SMRS automatically publishes an appointment confirmation via IF/PUB-036 to the Associated Export or Related Metering System(s). The same new Agent and effective date should be notified, except in the case of SDS appointments for associated Export MSIDs.	SMRS	Data Service Metering Service Supplier	IF/PUB-036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
3.4.13	At any time	Where relevant Agent issues a Customer Direct Contract Advisory/Cancellation via IF/PUB-038 for each Metering System that forms part of the contract, including the contract end date.	Data Service and/or Metering Service	SMRS	IF/PUB-038 Customer Direct Contract Advisory	DIP Interface
3.4.14	Within 1 hour of 3.4.13	Receive Direct Customer Contract Advisory notification(s) and maintain Direct Customer Contract Advisory record. Obtain and publish acceptance and/or rejections.	SMRS	Data Services Supplier EES	IF/PUB-039 Customer Direct Contract Advisory Response	DIP Interface

Associated Export Metering Systems in the Smart Segment will have automatic appointments and de-appointments applied to the Metering Service Appointment only

3.5   Update of SMRS Registration Data by Licensed Distribution System Operator

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.5.1	As soon as possible and in any event within 5 WD of: (i) the effective date of the change; or (ii) notification that a change is required if this occurs after the effective date of the change.	Notify any changes to the data items (and corresponding dates from which those changes are effective) for which the LDSO is responsible according to Appendix 4.1.	LDSO	SMRS	Changes to Metering System data listed in Appendix 4.1 where the LDSO is the Data Master.	Electronic or other method, as agreed.
3.5.2	Following 3.5.1	Perform validation checks as set out in Appendix 4.3 (e.g. that data items are valid as published in ISD).	SMRS		Appendix 4.3 – Data Validation.	Internal Process.
3.5.3	Following 3.5.2	Update SMRS and notify updates to relevant parties	SMRS	Supplier LDSO Metering Service Data Service EES	IF/PUB-018 Notification of Registration Data Item Changes	DIP Interface
3.5.4	At any time	Where LDSO updates Import/Export Association where change identified	LDSO	SMRS	Data Items associated with Import/Export Association(s)	Internal Interface
3.5.5	Within 1 hour of 3.5.4	SMRS validates Import/Export notification as per Validation rules	SMRS			Internal Process
3.5.6	Within 1 hour of 3.5.4	SMRS updates SMRS and notifies updates Association information.	SMRS	Supplier LDSO Metering Service Data Service EES	IF/PUB-020 Maintain Metering System Relationships	

3.6   Update of SMRS Registration Data by Supplier

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.6.1	As soon as possible and in any event within 5 Working Days of (i) the effective date of the change; or (ii) notification that a change is required if this occurs after the effective date of the change.	Notify MSID specific changes made by Supplier. Where the effective date of the change is before the current effective date(s) in SMRS, the Supplier shall act in accordance with the procedures in BSCP604.	Current Supplier	SMRS	IF/PUB-025 Supplier Updates to SMRS. Data items listed in Appendix 4.1	DIP Interface
3.6.2	Within 1 hour of receipt of data.	Perform validation checks as set out in Appendix 4.3 (e.g. data items are valid as published in ISD).	SMRS		Appendix 4.3 – Data Validation.	Internal Process.
3.6.3	Immediately after 3.6.2, if file is invalid	Notify Supplier of receipt of invalid data.	SMRS	Sending Supplier	IF/PUB-026 SMRS Notification of Changes to Supplier Data	DIP Interface
3.6.4	Immediately after 3.6.2, if file is valid	Update database and notify parties.	SMRS	Current and / or future Supplier Data Service Metering Service EES	IF/PUB-026 SMRS Notification of Changes to Supplier Data	DIP Interface

3.7 Update to Meter Technical Details (MTDs) by SVA MOA

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.7.1	At any time in accordance with the REC	SVA MOA sends IF/PUB-005 to SMRS to update new MTDs	SVA MOA	SMRS	IF/PUB-005 MTD Updates to SMRS	DIP Interface
3.7.2	Within 1 hour of 3.7.1	SMRS validates MTD update using validation rules If valid, SMRS updated with new MTDs	SMRS			Internal Process
3.7.3	Within 1 hour of 3.7.1	Where update fails validation, SMRS sends rejection back to SVA MOA with the reason as why it has been rejected.	SMRS	SVA MOA Supplier	IF/PUB-006 SMRS Notification of MTD Updates	DIP Interface
3.7.4	Within 1 hour of 3.7.1	Following successful update, SMRS updated with new metering details and publishes confirmation to other parties	SMRS	SVA MOA LDSO Supplier Data Service EES	IF/PUB-006 SMRS Notification of MTD Updates	DIP Interface
3.7.5	Following 3.7.4	Re-evaluate Market Segment based on new metering details as set out in section 3.11.	SMRS			Internal Process

3.8 Update to Energisation Status by Metering Service

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.8.1	Following physical meter or site work	Metering Service updates SMRS with new Energisation Status	Metering Service	SMRS	IF/PUB-007 Update of Change of Energisation Status Outcome	DIP Interface
3.8.2	Within 1 hour of 3.8.1	SMRS validates the energisation status change as per the registration validation rules If the update is valid, SMRS is updated to reflect the new energisation status				Internal Process
3.8.3	Within 1 hour of 3.8.1	If the update is invalid, SMRS rejects the new Energisation Status and sends this back to the Metering Service, along with the reason why this has been rejected	SMRS	Metering Service	IF/PUB-008 SMRS Notification of Change of Energisation Status	DIP Interface
3.8.4	Within 1 hour of 3.8.1	If valid, SMRS publishes updated energisation status to confirm that the change has been applied. This update is also published to other subscribed parties.	SMRS	Metering Service Supplier LDSO Data Service BSC Central Systems EES	IF/PUB-008 SMRS Notification of Change of Energisation Status	DIP Interface

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3.9 Change of Connection Type for SVA Metering System

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.9.1	Following physical work or on notification of an incorrect Connection Type	LDSO notifies SMRS of new Connection Type.	LDSO	SMRS	Internal message	Internal Process
3.9.2	Within 1 hour of 3.9.1	Update new Connection Type and issue IF/PUB-043 to update relevant parties of the change	SMRS	Metering Service LDSO Supplier BSC Central Systems	IF/PUB-043 SMRS Notification of Change of Connection Type	DIP Interface
3.9.3	Following 3.9.2	Re-evaluate Market Segment based on new Connection Type using ISD	SMRS			Internal Process
3.9.4	Following 3.9.3	If a change is required to Market Segment, proceed to section 3.11	SMRS			Internal Process

3.10   Disconnection and Registration Deactivation of an SVA Metering System

REF	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.10.1	At any time following physical disconnection.	LDSO notifies the SMRS that the Metering System has been disconnected	LDSO	SMRS		Internal interface or alternative method
3.10.2	Within 1 hour of 3.10.1	SMRS notifies relevant parties that the Metering System has been disconnected.	SMRS	Supplier LDSO EES BSC Central Systems	IF/PUB-009 Notification of LDSO Disconnection / CSS Registration De-Activation	
3.10.3	Within the Secured Active (Gate Closure) processing window following receipt of ERDS notification of successful Registration Deactivation in accordance with the REC.	SMRS notifies relevant parties of Registration Deactivation and sends de-appointment notification to Supplier and Agents	SMRS	Supplier Data Service Metering Service	IF/PUB-008 SMRS Notification of Change of Energisation Status IF/PUB-009 Notification of LDSO Disconnection / CSS Registration De-Activation[3] IF/PUB-037 SMRS Notification of Supplier Agent De-Appointment	
3.10.4	Notify EES of change to MPAN Status / RMP Status	SMRS issues IF/PUB-050 to EES to notify the Registration Deactivation of the SVA Metering System	SMRS	EES	IF/PUB-050 EES Updates	DIP Interface

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[3] Where CSS Registration Deactivation of a Metering System does not occur, SMRS will issue an IF/PUB-009 to the current Supplier with a reason code of [MPANReconnection].

3.11 Change of Market Segment for SVA Metering System

REF.	WHEN	ACTION	FROM	TO	INFORMATION REQUIRED	METHOD
3.11.1	Following Meter Exchange, Change of Connection Type, update to MTD info or change to Relationship or Association.	Re-evaluate Market Segment	SMRS			Internal Process
3.11.2	Following 3.11.1 and on receipt of a prospective Appointment Request as set out in section 3.4 with an event type of 'SEG'	For prospective appointments, hold in a queue and re-processes daily after ERDS Secured Active notifications are received and until Market Segment change has completed. If System Date surpasses 3 WD after either the Agent's proposed EFD, or date of receipt of the IF/PUB-034, whichever is later, and the proposed appointment does not correspond to the held Market Segment, then the Agent's appointments will be Lapsed.	SMRS			
3.11.3	Following 3.11.2 and when Change of Market Segment has been successfully updated	SMRS de-appoints old Agents for the period up to the Change of Market Segment date.	SMRS	Old Agents	IF/PUB-037 SMRS Notification of Supplier Agent De-Appointment	DIP Interface
3.11.4	Following 3.11.3 and when Change of Market Segment has been successfully updated	SMRS issues confirmation to New Agents that their appointment is now effective and sends MTDs held in SMRS, and Ids of other Agents	SMRS	Supplier New Agents	IF/PUB-036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
3.11.5	Following 3.11.3 where there is an invalid market segment after 3 Working Days	SMRS issues a lapsed notification	SMRS	New Agents Old Agents	IF/PUB-035 SMRS Appointment Status Notification	DIP Interface

4.   Appendices

4.1   Interface Validation Rules

4.1.1   Sequencing of Messages

On a Change of Supplier where the same Agent is being appointed as in the previous Supplier Registration , SMRS will send an IF/PUB-037 to de-appoint that Agent for the old Supplier's period of Supply and an appointment confirmation, IF/PUB-036, for the new Supplier's period of Supply. These messages may arrive in any order.

4.1.2   Auto De-appointment of Agents

SMRS will initiate 'Auto De-Appointment' of Agents via IF/PUB-037 following receipt of a Secured Inactive or Registration Deactivation Notification from CSS; or the successful appointment of a new Agent in accordance with section 3.4.

4.1.3   Appointments - Dates, Gaps and Alignment

SMRS will ensure that there are no gaps in Appointment coverage during any given period of supply, such that Agent Appointment Start Dates align either with SSD or at least the day following the appointment start date of the previous Agent.

4.1.4   Appointments - Changes, Cancellation and Lapsing

In situations where Agent Appointment(s) are received and Accepted, but for any unforeseen reason (Customer Cancellation, Objection, etc.) the Metering System does not transfer successfully to that Supplier, SMRS will automatically cancel or 'Lapse' any appointment requests that it cannot match with a successful Secured Active notification from CSS. SMRS will notify the Supplier and impacted Agent(s) of this outcome via IF/PUB-035 and take no further action until a new Appointment Request is received via IF/PUB-031 linked to a re-attempted Switch Request.

When processing appointments in order to make them active, SMRS shall use the most recently received IF/PUB-031 from that Supplier and IF/PUB-034 from that Agent and 'lapse' all previous Appointment requests.

Any changes required post activation of the Appointment would need to follow section 3.4 'Agent Appointment for SVA Metering System' in this BSCP.

4.1.5   Queuing of Prospective Appointments - Processing Rules

SMRS must hold all appointments which have been accepted by Agents in a Prospective Appointments Queue.

'On the Day' and 'Retro' appointments must be processed as soon as possible. Queued appointments shall be processed as part of SMRS end of day activity, which will match prospective appointments with incoming Secured Active Notifications.

- Rule 1: If Supplier Id + Appointment Service Start Date = Newly Secured Supplier Id + Supplier Start Date

- Rule 2: If Supplier Id + Appointment Service Start Date = Existing Supplier Id + Service Start Date = (sysdate+1 and relevant Data Master. In such cases, depending on the Market Segment, Agent Appointments will be automatically aligned to that of the Primary (for Related) or the Associated Import (for Import/Export) Metering System.

SMRS shall consider a Metering Service Appointment Acceptance on a Primary Related Metering System or an Associated Import Metering System as acceptance of appointment for all Metering Systems in the group.

SMRS shall consider a Data Service Appointment Acceptance on a Primary Related Metering System or an Associated Import Advanced Segment Metering System as acceptance of appointment for all Metering Systems in the group.

Additionally, for Related Metering Systems, the Consent Granularity specified by the supplier in the IF/PUB-031 and the MDR specified by the Data Service in the IF/PUB-034 (if applicable) will be applied to all Metering Systems in that Related Metering Systems group. If there is a requirement for any individual Metering Systems in the group to have a different Consent Granularity this would need to be set using IF/PUB-025 following acquisition of the Metering System by the Supplier.

SMRS shall issue IF/PUB-036 Appointment Notifications and the corresponding IF/PUB-037 De-appointment Notifications for each Metering System in a Related or Import/Export Associated group.

4.1.6   Change of Segment and/or Connection Type

In circumstances where a Change of Segment and/or a Change of Connection Type is required, these will be identified by Appointment Scenario 'SEG' to allow additional time (Appointment EFD +3 working days or IF/PUB-034 receipt date + 3 working days, whichever is the later of the two) for the associated processes to complete.

Following these updates, SMRS will re-evaluate the Segment once updated, such that when the Appointment notifications come to be processed they are appropriate for the new Segment and take effect from the original Agent Appointment's EFD.

4.1.7   Reminder Notifications

SMRS will issue reminders to Suppliers, every 7 calendar days, in instances where there is a data inconsistency. The three scenarios where reminders will be issued are:

1. Missing Agent(s)
2. Consent Granularity inconsistent with combination of Energy Direction Indicator, Domestic Premises Indicator, Market Segment and Meter Group
3. Invalid Market Segment (Connection Type/Meter Type/Market Segment invalid)

4.1.8   SSC & Profile Class Updates

Provision of SSC Id and Profile Class Id is mandatory for Traditional Metering Systems, and optional for Smart and Advanced Metering Systems. SMRS must populate these values into all relevant outbound messages where they are available.

4.1.9   Interface Specific Processing Rules

SMRS should apply the following rules when processing each of the interfaces listed.

IF/PUB-005   MTD Updates to SMRS

For all MTD Update Events

The MPAN Status for the Metering System must not be Disconnected (Terminated).

Where the Event is a Meter Removal, the IF/PUB-005 should still be accepted if MPAN Status is 'Disconnected' to allow meter removal after the disconnection. The removal date can be prior to, on, or after the disconnection date for all Events.

The sending Metering Service must be currently appointed or hold a valid appointment for the Date of Meter Installation.

The currently appointed Metering Service can set the Date of Meter Installation within their appointment or any previous Metering Service appointment period.

If the sender is the previous Metering Service, then the Update must be sent within 10 working days of the end of their appointment period.

If the sender is not the previous Metering Service, then the sending Metering Service must be currently appointed or must hold a prospective 'SEG' appointment.

Date of Meter Installation cannot be null or future dated.
Date of Meter Installation must be greater or equal to the MSID creation date.

Date of Meter Removal cannot be future dated or earlier than the Date of Meter Installation for the same Meter Id (Serial Number).

Meter Id must not be already installed at a Metering System.

Meter Location must be Valid
Meter Type must be valid in ISD

~~Where the Meter Type is not Smart, IHD Install Status must not be populated.~~
IHD Install Status must be valid (I = installed, D = declined, E = existing, F = failed)
IHDI EFD must not be future dated
IHDI EFD must not pre-date meter Installation
IHDI EFD must not be prior to registration SSD
IHDI EFD must be greater than the last IHDI EFD

Where the Meter Type is not Smart, ESME Id must NOT be populated
Where the Meter Type is Smart, ESME Id must be populated
ESME Id must be in the defined format XX-XX-XX-XX-XX-XX-XX-XX

ESME Id must not match that of any Active/Installed Meter (unless that same Meter is linked or shared across other Metering Systems, i.e. Related or Associated).

If the Meter Type is Smart, Number of Displayed Register Digits must be populated.

Where the Meter Type is S2A, S2AD, S2ADE, 2ADF, 2ADEF, 2AEF, 2AF, S2B, S2BD, S2BDE, 2BF,2BDF, 2BDEF or 2BEF the value must be 5.

Where the Meter Type is prefixed with 'S2C' the value must be 6.
Where the Meter Type is 2CDEF, 2CF, 2CDF or 2CEF the value must be 6.

Number of Displayed Register Digits must be populated for Smart Meter Types.
Number of Displayed Register Digits must be absent for non-Smart Meter Types.

Meter Asset Provider (MAP) Id must be valid in ISD for the EFD provided.
MAPA EFD cannot be in the future or earlier than the Date of Meter Installation.
MAPA EFD cannot be after the removal date of the Meter.
Only one MAP Id must be provided for each Meter.

Where the Event is a Meter Exchange or a Meter Installation

Meter Id must not be already installed for the Metering System.
The Date of Meter Installation must be within the sender's Appointment period.
Modified Meter Id must not be included.
MAPA EFD must equal the Date of Meter Installation.

Where the Event is a Meter Exchange or a Meter Removal

Meter Removal Date must be within the sending Metering Service's Appointment period or a proposed Appointment period.

Removed Meter Id must exist for the Metering System and be installed.
Meter Removal Date/Time must be populated (i.e. not null).

Modified Meter Id must not be included.

Where the Event is a Meter Exchange

Removed Meter Id must exist for the Metering System and be installed.

The Date of Meter Installation of a new Meter must be on or later than the Date of Meter Removal of the old Meter.

Where the Event is a Meter Update or a Meter History Update

For a Meter Update the Metering Service must be the currently appointed Metering Service or the previously appointed Metering Service within 10 calendar days.

For a Meter History Update the Metering Service must be the currently appointed Metering Service.

If a modified Meter Id is included, then the Date of Meter Installation must be the same as the current Date of Meter Installation and the Date of Meter Removal must be the same as the current Date of Meter Removal.

Modified Meter Id must be unique at the MSID and not match the current Meter Id.

If both Meter installation/update block and Meter removal groups in the IF/PUB-005 are included, the Meter Id in each group should be the same.

MAPA EFD notified in message cannot be prior to the current MAPA EFD.

Where the Event is a Meter Update

If the submitting Metering Service is the previously appointed Metering Service, only the Meter Location may be amended.

Meter Id must match the currently installed Meter at the Metering System.
For a Meter removal, Meter Removal Date/Time must be populated (i.e. not null).

For a Meter removal, the Meter Removal Date must be prior to the current Metering Service Appointment EFD in SMRS.

Where the Event is a Meter History Update

If the Meter does not exist in SMRS, then the Date of Meter Installation must be prior to the current Metering Service Appointment EFD in SMRS.

If creating a new Meter record then the MAP history must be provided.
For an installation the Modified Meter Id must be null.
For an installation, the first MAPA EFD must equal the Date of Meter Installation.

IF/PUB-007   Change of Energisation Status Outcome

Where the Event is an Energisation Status Change

The sending Metering Service must be currently appointed or hold a valid appointment for the Energisation Status EFD provided.

The Energisation Status EFD cannot be set in the future at the time of sending.

The Energisations Status EFD must not be prior to the existing Energisation Status EFD if exists, and must not be prior to the RF Date at the time of receipt.

If the sender is a previous Metering Service (utilising their 10 day update window) then the Energisation Status EFD must fall within their Appointment period.

RMP Status must be Operational or Terminated.
RMP Status must not be Terminated where the Energisation Status is "E".

IF/PUB-019   Maintain Metering System Relationships

Neither MSID in the message can be subject to an active Switch Request.
There must be no duplication of MSIDs within the same message.
Only the Registered Supplier can make changes to MSID Relationships.

Where the Event is the Creation of Related Metering System Relationship

RMP Status for Primary and Secondary Related MSIDs must not be 'Terminated'.
Primary and Secondary Related MSIDs must both not be Unmetered.
All provided MSIDs must not already be part of a Related MPAN group.
Both provided Related Metering Systems must be Import Metering Systems.
The notified Primary must not be the Primary MSID in an existing Relationship.
The Secondary MSID(s) must not already be linked to a different Primary.

Where the Event is the Addition of a Secondary Related Metering System to a Relationship

RMP Status for Primary and Secondary Related MSIDs must not be 'Terminated'.
The MSID(s) being added to the Relationship must not be Unmetered.
The Primary MSID must be a Primary in an existing relationship.
The MSIDs must not be Export - only Import MSIDs can be Related.
The Secondary MSID must not already by in a Relationship as a Secondary or Primary Related Metering System.

Where the Event is the Removal of a Related Metering System Relationship

The provided Primary must be the Primary MSID for the given Relationship.
The provided Secondary MSID(s) must be linked to the provided Primary MSID.

Updates to Metering System Import/Export Associations by LDSO

Only the LDSO can make changes to Import/Export MSID Associations.

The import or export Supplier can request a change to Import/Export Associations via IF/PUB-019, and the LDSO can choose to accept or reject this request.

Where the Event is the Creation of an Import/Export Association

The Import/Export MSID must not be currently part of an Import/Export Association.
The Principal MSID in an Import/Export Association must be Import.
The Subsidiary MSID in an Import/Export Association must be Export.
The MSID(s) being added to the Relationship must not be Unmetered.

Where the Event is the Addition of a Metering System to an Association

The Import MSID must be currently part of an Import/Export Association.
The Export MSID must not be currently part of an Import/Export Association.
The Subsidiary MSID in an Import/Export Association must be Export.
The MSID(s) being added to the Relationship must not be Unmetered.

Where the Event is the Removal of a Metering System from an Association

The Import/Export MSID must be currently part of an Import/Export Association.

IF/PUB-025   Supplier Updates to SMRS

The sending Supplier must be the current Registered Supplier.
CSS Registration Id must be valid and relate to the correct Supplier Registration.

Where the Event is to set or update the Consent Granularity

The provided Consent Granularity must be valid for the current combination of Energy Direction, Domestic Premises Indicator, Market Segment and Meter Group.

Consent Granularity EFD must not be more that 5 calendar days in the past, or more than 30 calendar days in the future at the time of sending the notification.

The Consent Granularity EFD must fall within the notifying Supplier's Registration period and be contiguous with any previous Consent Granularity update(s).

Where the Event is an update to IHD Install Status

IHD Install Status must only be provided where the Meter Type is Smart, and must be null for all other Meter Types.

IHDI EFD cannot be set in the future at the time of sending the notification.
IHDI EFD must fall within the sending Supplier's Registration period.

IHDI EFD must be after the existing IHDI EFD (if IHD information exists).

Where the Event is an update to the SMSO Id

SMSO Id must only be populated if the Metering System's Market Segment is Smart
SMSO EFD cannot be earlier than the Supplier's SSD or in the future.
SMSO EFD must be greater than the previous SMSO's EFD (and ETD).
SMSO Effective from Date must not be more than the retrospective change period
(defaulted to 5 calendar days) prior to the date of receipt of the notification.
SMSO Id must be valid in ISD for the notified EFD.

Where the Event is an update to SSC and/or Profile Class

The provided SSC Id and/or Profile Class Id must be valid in IF/PUB-025.
SSC Id must not be null for Traditional Meter Types.
The SSC Id and/or Profile Class Id update must be within the Supplier's
Registration.
The SSC Id and/or Profile Class Id update must not be prior to the latest currently
held value for SSC Id and/or Profile Class in SMRS or in the future.
SSC Id EFD must be populated (i.e. not null) where SSC Id is populated.
Profile Class Id EFD must be populated where Profile Class Id is populated.

IF/PUB-031   Supplier Agent Appointment Request

For all Appointment Request Events

Supplier Agent Appointment Requests must become effective at midnight local time.

RMP Status for the Metering System must be not be Terminated.

Where the Event is a Data Service or Metering Service Appointment Request

The Proposed Data Service and/or Metering Service Id must be valid in ISD and
match the Agent's associated DIP Id.

The proposed Supplier Agent Appointment EFD must be after any existing Supplier
Agent Appointment EFD for the respective Registration (if exists), be contiguous
with the most recent one and not be earlier than the RF Date.

For a Data Service Appointment, the Supplier's Nominated Smart Meter Data
Retriever (SMDR) Id must be valid in ISD and match ~~the SMDR's~~its associated DIP
Id.

~~The~~ CSS Registration Id must be valid and relate to the correct Supplier Registration.

For Appointment Scenarios 'CSP' or 'USP', the CSS Registration ~~Request~~ Id must be
valid and associated with an active Registration for the sending Supplier

For an Appointment Scenario of 'COS', the CSS Registration ~~Request~~ Id must be valid and associated with a pending Registration for the sending Supplier.

For an Appointment Scenario of 'SEG', the CSS Registration ~~Request~~ Id must be valid and associated with an active or pending Registration for the sending Supplier.

For an Appointment Scenario of 'SEG', if the submitting Supplier is the currently registered Supplier then the proposed Agent Id in the Appointment Request must NOT be the currently appointed Agent and must have a later Appointment EFD.

For Appointment Scenarios 'COS' or 'SEG', where no previously confirmed Agent Appointment exists for the Supplier Registration, the proposed EFD must be the SSD for the respective Supplier Registration.

The sending Supplier's Supplier Id must match the Supplier Id associated with the CSS Registration ~~Request~~ Id.

SMRS must check for subsequent Appointments already queued~~, e.g.~~ where the ~~sender~~ Sender Timestamp is prior to the Sender Timestamp of an existing Proposed Appointment for the same Metering System, CSS Registration Id and Supplier Start Date

Where an Appointment is future dated, the proposed Appointment EFD must be within 28 calendar days of the date of receipt.

For Appointment Scenarios 'USP' or 'CSP', the Sending Supplier must be the currently Registered Supplier.

For Appointment Scenario 'USP', the proposed Agent Id in the Request must match the currently appointed Agent with the same Appointment EFD.

For Appointment Scenario 'CSP', the proposed Agent Id in the Request must NOT be the currently appointed Agent and must have a later Appointment EFD.

For all Appointment Scenarios other than 'SEG', the Metering Service Id and/or Data Service Id must be valid in ISD for the current Market Segment.

Where the Event is a Data Service Appointment Request

Consent Granularity must be a valid value for the Market Segment, Energy Direction Indicator, Domestic Premises Indicator and Meter Group combination.

Except where the Appointment Scenario is "SEG", where this validation should only be applied at the point of revalidation from the queue.

Where the Event is a Data Service Appointment Request

The proposed SMDR EFD must fall within the Data Service's Appointment period, must be after any existing SMDR appointments and contiguous with the most recent one, and not earlier than the RF Date.

Where the Event is a Metering Service Appointment for any Market Segment or the Event is a Data Service Appointment where the Market Segment is not Smart

The Metering System must not be an Associated Export MSID.

Where the Event is a Metering Service or Data Service Appointment

The Metering System must not be a Secondary Related MSID.

Where the Event is a Metering Service Appointment

Where the Connection Type is Unmetered, the correct UMSO must be requested for the relevant Distribution area based on the Distributor Short Code.

IF/PUB-034   Supplier Agent Appointment Request Response to SMRS

The Proposed Data Service or Metering Service Id must be valid in ISD and match that received from the expected responding Agent.

The Supplier Nominated or SDS Nominated SMDR Id must be valid in ISD and must match the associated DIP Id of that SMDR.

SMDR EFD cannot be more than 28 calendar days in the future at the time of receipt where the Event is an Appointment acceptance.

The SMDR effective period must be wholly within the relevant Supplier Registration and Data Service Appointment period, be after any existing SMDR appointments, and be contiguous with the most recent one, and not earlier than the RF Date.

SMDR Id must be populated by the SDS where DCC Service Flag is 'A'.

IF/PUB-034 Smart Data Service SMDR Request to SMRS

Where the Data Service (SDS) is notifying a change to the SMDR Id

The SDS must be appointed for the relevant period when notifying a change to the SMDR Id, and the SDS Nominated SMDR Id must be valid in ISD and must match the associated DIP Id of that SMDR.

The CSS Registration Id provided in the Response must match that associated with the current active Supplier Registration.

RMP Status for the Metering System must be not be Terminated.
SMDR EFD cannot be more than 5 calendar days in the future at the time of receipt where the Event is an SMDR Update.

The SMDR effective period must be wholly within the relevant Supplier Registration and Data Service Appointment period, be after any existing SMDR appointments, and be contiguous with the most recent one, and not earlier than the RF Date.

The SDS Nominated SMDR must not be the existing appointed SMDR for the MSID.

IF/PUB-038 Customer Direct Contract Advisory

RMP Status for the Metering System must be not be Terminated.

Customer Direct Contract End Date must be future dated, but not be more than 1130 calendar days in the future.

Where the Event is to notify a new Customer Direct Contract

There must not be an existing active Customer Direct Contract Advisory Notification that has not yet expired.

Where the Event is to remove or terminate an existing Customer Direct Contract

The sending Metering Service or Data Service must be eligible to amend the Customer Direct Contract Advisory information.

4.2   SMRS inbound and outbound Interfaces

4.2.1   DIP Interfaces received by the SMRS

Interface ID	Interface Name	FROM
IF/PUB-005	MTD Updates to SMRS	Metering Service (SVA MOA only)
IF/PUB-007	Change of Energisation Status Outcome	Metering Service (SVA MOA or UMSO)
IF/PUB-019	Maintain Meterpoint Relationships	Supplier
IF/PUB-025	Supplier Updates to SMRS	Supplier
IF/PUB-031	Supplier Agent Appointment Request	Supplier
IF/PUB-034	Supplier Agent Appointment Request Response to SMRS	Metering Service, Data Service
IF/PUB-038	Customer Direct Contract Advisory	Metering Service, Data Service

4.2.2   DIP Interfaces sent by the SMRS

Interface ID	Interface Name	TO
IF/PUB-001	Notification of Change of Supplier	Supplier, LDSO, BSC Central Systems
IF/PUB-002	Notification to New Supplier of Site Information	Supplier
IF/PUB-006	SMRS Notification of MTD Updates	SVA MOA, Data Service, Supplier, LDSO, EES
IF/PUB-008	SMRS Notification of Change of Energisation Status	Metering Service, Data Service, Supplier, LDSO, BSC Central Systems, EES
IF/PUB-009	Notification of LDSO Disconnection / CSS Registration De-Activation	Supplier, LDSO, BSC Central Systems, EES
IF/PUB-018	Notification of Registration Data Item Changes	Metering Service, Data Service, Supplier, BSC Central Systems, EES
IF/PUB-020	Maintain Meterpoint Relationships Outcome	Supplier, LDSO, EES
IF/PUB-026	SMRS Notification of Changes to Supplier Data	Metering Service, Data Service, Supplier, LDSO, BSC Central Systems, EES
IF/PUB-032	SMRS Supplier Agent Appointment Request Response	Supplier
IF/PUB-033	SMRS Request for Supplier Agent Appointment	Metering Service, Data Service
IF/PUB-035	SMRS Appointment Status Notification	Metering Service, Data Service, Supplier
IF/PUB-036	SMRS Notification of Supplier Agent Appointment & Supporting Info	Metering Service, Data Service, Supplier, LDSO, BSC Central Systems, EES
IF/PUB-037	SMRS Notification of Supplier Agent De-Appointment	Metering Service, Data Service, Supplier, LDSO, EES
IF/PUB-039	Customer Direct Contract Advisory Response	Metering Service, Data Service, Supplier, EES
IF/PUB-043	SMRS Notification of Change of Connection Type	Metering Service, Data Service, Supplier, LDSO, BSC Central Systems, EES
IF/PUB-044	SMRS Notification of Change of Segment	Metering Service, Data Service, Supplier, LDSO, BSC Central Systems, EES
IF/PUB-045	SMRS Reminder Notification	Metering Service, Data Service, Supplier
IF/PUB-050	EES Updates	EES

4.2.3 Interface Processing Times

Trigger Event	Trigger Source	Trigger Interface	Response Time	Outbound Interface	Recipients
Receipt of Pending Switch Notification via the ERDS	ERDS	Internal	1 hour	IF/PUB-002	Supplier
Receipt of Secured Active Notification via the ERDS	ERDS	Internal	Within the Secured Active (Gate Closure) processing window	IF/PUB-001	Supplier LDSO BSC Central Systems
Update to DUoS Tariff Id	LDSO	Internal	1 hour	IF/PUB-018	Supplier BSC Central Systems
Update to Energy Direction	LDSO	Internal	1 hour	IF/PUB-018	Supplier Metering Service Data Service LDSO BSC Central Systems
Update to Metered Indicator	LDSO	Internal	1 hour	IF/PUB-018	Supplier Metering Service Data Service LDSO BSC Central Systems
Update to Related MPAN data	Supplier	Internal	1 hour	IF/PUB-018	Supplier Metering Service Data Service LDSO BSC Central Systems
MTD Updates to Registration	Metering Service	IF/PUB-005	1 hour	IF/PUB-006	Supplier Metering Service Data Service LDSO BSC Central Systems

Data received after 23:00hrs will be made available to other parties (as applicable) by the next Working Day in accordance with section 2.3.

Trigger Event	Trigger Source	Trigger Interface	Response Time	Outbound Interface	Recipients
Change of Energisation Status Outcome	Metering Service	IF/PUB-007	1 hour	IF/PUB-008	Supplier Metering Service Data Service LDSO BSC Central Systems
LDSO updates Registration Data	LDSO	Internal	1 hour	IF/PUB-018	Supplier Metering Service Data Service BSC Central Systems
Update to IHD information	Supplier	IF/PUB-025	1 hour	IF/PUB-026	Supplier
Update SMSO Id	Supplier	IF/PUB-025	1 hour	IF/PUB-026	Supplier Metering Service Data Service
Updated Import / Export Association	Supplier	IF/PUB-025	1 hour	IF/PUB-026	Supplier Metering Service Data Service LDSO
Receipt of Agent Appointment Request	Supplier	IF/PUB-031	1 hour	IF/PUB-032	Supplier
Receipt of Agent Appointment Request	Supplier	IF/PUB-031	1 hour	IF/PUB-033	New Agent(s)
Receive Agent Appointment Validation Response	Agent	IF/PUB-034	1 hour	IF/PUB-035	Old Agent(s) Supplier
Receipt of Secured Active Notification via the ERDS where appointment is not confirmed	ERDS	Internal	By 21:00 hrs on the same day	IF/PUB-035	New Agent(s) Supplier
Receipt of Secured Active Notification via the ERDS where appointment is confirmed	ERDS	Internal	By 21:00 hrs on the same day	IF/PUB-036	New Agent(s) Supplier LDSO
Receipt of Secured Active Notification via the ERDS where appointment is confirmed	ERDS	Internal	By 21:00 hrs on the same day	IF/PUB-037	Old Agent(s)

4.3   Creation of a Skeleton Record for a Metering System

When a Skeleton Record for a New SVA Metering System is created in accordance with section 3.2 of this BSCP, the below data items shall be populated or derived:

EMDS Id	Legacy J-Ref	Data Item Name
DI50003	J0003	Distributor Id + Unique Reference + Check Digit
DI50028	J0066	GSP Group Id
DI50162	J0306	Effective from Settlement Date {MSGG}
DI50078	J0147	DUoS Tariff Id
DI50310	J0658	Effective from Settlement Date {MSDUOS}
DI50488 - DI50496	J1036 - J1044	Metering Point Address 1-9
DI50137	J0263	Metering Point Postcode
DI51541	J2252	Metered Indicator
DI51549	J2261	Import/Export Indicator
DI51550	J2262	Effective from Date {Import/Export}
DI51601	J2314	Connection Type
DI51602	J2315	Connection Type EFD
DI20018	J2329	Market Segment Indicator
DI20019	N/A	Market Segment Indicator EFD

The following data items are required where there is an Import/Export Association:

EMDS Id	Legacy J-Ref	Data Item Name
DI51604	J2317	Associated Import / Export MSID
DI51605	J2318	Associated Import / Export MSID EFD

When all required data items for the Skeleton Record have been populated, the SMRS shall set the MPAN Status (J1862) to 'N' to signify that the Metering System is New.

When a valid Supplier Registration has been notified by the ERDS, the SMRS shall update the MPAN Status to 'R' to signify that a Supplier has been Registered.

When a valid Data Service has been appointed by the initial Supplier, the SMRS shall update the MPAN Status to 'T' to signify that the Metering System is Traded.

The Market Segment shall be set by rule based on Connection Type and Meter Type. Setting the initial Market Segment is required as part of Metering System Creation and will be subsequently re-assessed based on this rule following Meter installation.

4.4   Rules for setting of Effective From and Effective To Dates in SMRS

In accordance with section 2.6, the SMRA shall not permit SMRS data items to be amended retrospectively, except in limited circumstances. Where a data item change received by SMRS contains a back-dated Effective From Date, i.e. earlier than the most recent currently held EFD, the conditional rules below should be applied:

4.4.1 LDSO Mastered Data Items

Data Item	Retrospectivity Rule(s)
Connection Type	Revised Connection Type should be on or after the <u>latest</u> (most recent) of Supply Start Date (SSD), Final Reconciliation (RF) Date at the point of making the change, or the MHHS Migration Date
Market Segment	Derived automatically from Connection Type and Meter Type – Should be on or after the <u>latest</u> of SSD, RF Date or MHHS Migration Date
Energy Direction	
Metered Indicator	Can only be changed once from Metered to Unmetered
GSP Group Effective From Date	Revised GSP Group EFD should be on or after the <u>latest of</u> SSD or RF Date
DUOS Tariff ID	Revised DUOS Tariff ID cannot be backdated beyond or pre-date the MHHS Migration Date.

4.4.2 Supplier Mastered Data Items

Data Item	Rule(s)
Consent Granularity Effective From Date	Cannot be set retrospectively (5 day leeway for notification)
IHD Effective From Date	Revised IHD Status Date must be on or after SSD and later than current IHD Status Effective From Date
SMSO Id	Cannot be set retrospectively (5 day leeway for notification)
SMSO Effective From Date	Revised SMSO Date should be on or after SSD and later than the last SMSO Status Change Date
Profile Class Effective From Date	Revised Profile Class Date must be on or after SSD and MHHS Migration Date and after current Profile Class Effective From Date
SSC Effective From Date	Revised SSC Date must be on or after SSD and MHHS Migration Date and after current SSC Effective From Date
Related Metering Systems	Set automatically (as System Date) for Related Metering Systems by SMRS when the request message is processed, cannot be changed.
DCC Effective From Date	SMRS notified via D350, date set by DCC, cannot be future dated

4.4.3 Metering Service Mastered Data Items

Data Item	Rule(s)
Energisation Date	Revised Energisation Status Date should be on or after the submitting Metering Service's Appointment Start Date, RF Date and the MHHS Migration Date and after current Energisation Status Change Date.
Disconnection Date	Revised Disconnection Date should be on or after SSD, RF Date and the MHHS Migration Date and after the current Disconnection Date
Meter Install/Remove Date, Meter Technical Details	[MeterUpdate] and [MeterHistoryUpdate] transactions can be used to manage and maintain historic MTDs held in SMRS. Reference IF/PUB-005 Interface Processing Rules in Appendix 4.1

4.4.4 Agent Appointment Related Data Items

Data Item	Rule(s)
Agent Appointment Effective From Date	Must match SSD or the latest of existing Agent Appointment End Date + 1 Should be contiguous with previous Appointment and after the RF Date.
Agent Appointment Eff. To Date	Set Automatically by SMRS based on COS/COA or Disconnection Dates. Should be contiguous with next Appointment.
MDR Effective From Date	Must match SSD or the latest of existing MDR Appointment End Date + 1 Should be contiguous with previous Appointment and after the RF Date.

AMENDMENT RECORD– BSCP706

Version	Date	Description of Changes	Changes Included	Mods/ Panel/ Committee Refs
1.0	22/09/2025	MHHS Programme		