
MHHS Migration

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New definitions for Schedule 1: Interpretations and Definitions (will be removed from MHHS Migration Schedule)

Data Service		means the Supplier Agent role defined as such in the BSC; and, in respect of a particular Metering Point, means the person Appointed in such role for that Metering Point.
DIP Interface		means the data integration platform interface made available by the DIP Manager.
DIP Testing		means the testing required under the BSC in order to become a DIP User, together with any tests specified by the Code Manager.
DIP Manager		means BSCCo or such other entity as is responsible under the BSC for managing the data integration platform.
DIP User		means each Electricity Supplier, electricity Metering Equipment Manager or Distribution Network Operator that is qualified under the BSC to be a DIP User.
Market-wide Half-Hourly Settlement	MHHS	means market-wide half-hourly settlement, which is being introduced pursuant to the BSC (see MHHS Implementation).
MHHS Implementation		has the meaning given to that expression in section C12 of the BSC.
MHHS Implementation Timetable		has the meaning given to that expression in section C12 of the BSC.
MHHS Metering Point		means a Metering Point which has been MHHS Migrated and which continues to operate in that state and / or a Metering Point which has been established to operate within MHHS arrangements.
MHHS Migration		means the act of migrating a Metering Point in accordance with the REC MHHS Migration Schedule. " MHHS Migrated " shall be interpreted accordingly.
MHHS Migration End Date		means the date by which Electricity Suppliers must have completed migration under the MHHS Implementation Timetable (identified as milestone M15).
MHHS Migration Start Date		means the date from which Electricity Suppliers can first commence migration under the MHHS Implementation Timetable (identified as either milestone M11 or M12).
MHHS Qualification		has the meaning given to that expression in section C12 of the BSC. " MHHS Qualified " and similar expressions shall be interpreted accordingly.
MHHS Reverse Migration		means, in respect of a Metering Point which has previously been MHHS Migrated, the act of reversing that migration in

		accordance with the REC MHHS Migration Schedule. " MHHS Reverse Migrated " shall be interpreted accordingly.
MHHS Reverse Migration End Date		means the date under the MHHS Implementation Timetable following which no MHHS Reverse Migration will be possible (identified as milestone M14).
REC MHHS Migration Schedule		means REC Schedule [TBC].

SCHEDULE XX

MHHS Migration

Version: 0.1

Effective Date: MHHS Go Live

Domestic Suppliers	Mandatory for electricity
Non-Domestic Suppliers	Mandatory for electricity
Gas Transporters	N/A
Distribution Network Operators	Mandatory
DCC	N/A
Metering Equipment Managers	Mandatory for electricity
Non-Party REC Service Users	N/A

Change History

Version Number	Implementation Date	Reason for Change
MHHS v0.1	N/A	MHHS required changes: Draft for industry review

1 Introduction

- 1.1. This REC Schedule sets out the processes to be followed to enact MHHS Migration or MHHS Reverse Migration. MHHS Migration and MHHS Reverse Migration involve a number of actors with associated requirements governed within both the BSC and this Code. References to the Supplier Meter Registration Service and Data Services are included for information only. Any requirements on the organisations which provide these services are defined and governed within the BSC.
- 1.2. Paragraphs 2 and 3 define separate processes for:
 - a) MHHS Migration enacted at the same time as a Switch;
 - b) MHHS Migration enacted as a change of Supplier Agent with no concurrent Switch; and
 - c) MHHS Reverse Migration as a result of a Switch, where a Metering Point which had previously been MHHS Migrated is Registered by a Gaining Supplier that is not MHHS Qualified.
- 1.3. When enacting an MHHS Migration, the Electricity Supplier is expected to initiate a Data Service and Metering Equipment Manager Appointment at the same time. A Metering Point will be deemed to be MHHS Migrated where a successful Supplier Agent Appointment takes effect with either or both the Metering Equipment Manager and/or Data Service being successfully Appointed using a DIP Interface. As long as at least one appointment is successful, then the Metering Point will have been MHHS Migrated.
- 1.4. For a Metering Point that has been MHHS Migrated (and which has not been MHHS Reverse Migrated), the standard processes defined in the Metering Operations Schedule for MHHS Metering Points shall be followed. For a Metering Point that has not been MHHS Migrated (and which is not being MHHS Migrated) the standard processes defined in the MHHS Transition Schedule shall be followed.
- 1.5. Each Electricity Supplier shall ensure that its Appointed Metering Equipment Manager re-programmes the clock in each NHH Advanced Meter so that it records time in UTC. This re-programming shall be completed on or before the MHHS Migration effective from date, provided that this activity is completed before the NHH Advanced Meter is used to support MHHS processes within British Summer Time. If reprogramming is not possible within this timeframe, the Metering Asset shall be replaced by the Metering Equipment Manager.
- 1.6. Associated Import / Export Metering Points are not required to undergo MHHS Migration at the same time. Where the same electricity Metering Asset is being utilised for the measurement of Import by Metering Points registered in the legacy settlement arrangements and Export by Metering Points registered in the MHHS settlement arrangements, the same Metering Equipment Manager shall be Appointed to all of the Import and Export Metering Points. This Metering Equipment Manager must be Qualified for operations in relation to both arrangements.

2 MHHS Migration

- 2.1. Electricity Suppliers can choose when to migrate individual Metering Points in line with their agreed Migration Plan. There is no requirement for MHHS Qualified Electricity Suppliers to enact MHHS Migration where they gain a Metering Point as part of a Switch.
- 2.2. To facilitate the process, the Supplier Meter Registration Agent will, on receipt of information from the Central Switching Service indicating that a Switch has been initiated for a Metering Point currently settling under legacy arrangements, send site information to the Gaining Supplier via both legacy Market Messages and DIP Interfaces in accordance with BSCP708.
- 2.3. Where an Electricity Supplier chooses not to enact MHHS Migration as part of a Switch, it shall follow legacy arrangements to Appoint Supplier Agents in accordance with the MHHS Transition Schedule and the BSC. Where an Electricity Supplier chooses to enact MHHS Migration, the transmission of an IF-036 Market Message (SMRS Notification of Supplier Agent Appointment and Supporting Info) relating to either or both the Metering Equipment Manager and/or the Data Service will indicate that MHHS Migration has occurred and the Metering Point is now operating under MHHS arrangements.
- 2.4. Where a Related Metering Point relationship exists, the Metering Equipment Manager and Data Service Appointments as part of an MHHS Migration, shall only be progressed through migration in relation to the Primary Related Metering Point. The MHHS Migration status of the Secondary Related Metering Point(s) shall be the same as the Primary Related Metering Point.
- 2.5. As Associated Import / Export Metering Points will be MHHS Migrated independently, the standard Supplier Meter Registration Service validation will be disappplied to enable the Electricity Supplier for the Export Metering Point to initiate a Metering Equipment Manager Appointment (but subject to Paragraph 1.6).
- 2.6. Once the Supplier Agent Appointments have been initiated, MHHS Migration will complete unless one or more of the following events occur:
 - a) a notification of a Pending Registration is received by the Electricity Retail Data Service from the Central Switching Service for the Metering Point. In this case, the Appointment that had been initiated by the existing Electricity Supplier as part of the migration shall be treated as lapsed;
 - b) neither the Metering Equipment Manager nor the Data Service accept the Appointment request and there have been no further requests for a Supplier Agent Appointment for that date triggered by the Electricity Supplier; or
 - c) a notification of a Cancelled Registration is received by the Electricity Retail Data Service from the Central Switching Service for the Metering Point. In this case, the Appointment that had been initiated by the Gaining Supplier as part of a Switch shall be treated as lapsed;

Commented [AW1]: Where a new Metering Point is being established under MHHS arrangements then the Supplier will appoint its agents via DIP interfaces in accordance with the process in the Metering Operations Schedule. Therefore initial registration not covered in this Migration Schedule.

Commented [SJ2]: Assumption that requirement on suppliers to agree individual Migration Plans will be in the BSC

MHHS Migration with Switch

2.7. The process below shall be followed where MHHS Migration is enacted as part of a Switch. This process is applicable to all types of Metering Asset, but some activities are only applicable to certain types of Metering Asset as specified in the individual **steps**:

Commented [SJ3]: Process based on standard table in the MHHS draft Metering Operations Schedule, approved by CCAG in tranche 1

Ref	When	Action	From	To	Information Required	Method
2.7.1	Within 60 minutes of receipt of a Notification to New Supplier of Site Information by the Gaining Supplier (MHHS IF 002) indicating that a Switch Request is Pending.	Send MEM Appointment request. The Gaining Supplier shall ensure the chosen MEM is acceptable based on the Premises, Market Segment and meter type.	Gaining Supplier	SMRS	MHHS IF 031 Supplier Agent Appointment Request	DIP Interface
2.7.2	Following receipt of the notification referenced in 2.7.1 and in accordance with BSCP708	Validate MEM Appointment request. If Appointment is accepted, proceed to 2.7.5, otherwise proceed to 2.7.3.	SMRS		Internal Process	N/A
2.7.3	Following 2.7.2 where the data is not accepted .	Send notification that the proposed MEM Appointment has been rejected by the SMRS.	<u>SMRS</u>	Gaining Supplier	MHHS IF 032 SMRS Supplier Agent Appointment Request Response - rejection	DIP Interface
2.7.4	As soon as reasonably practicable following receipt of the notification referenced in 2.7.3.	Manage rejection of proposed MEM Appointment. Where the rejection is of a type the Gaining Supplier can resolve without involving other industry	Gaining Supplier		Internal Process	N/A

Commented [SJ4]: OPC 130

		parties, send a corrected MHHS IF 031 . If the Gaining Supplier needs to involve other industry parties to resolve the issue, then reasonable endeavours shall apply. Restart process from 2.7.1.				
2.7.5	Following 2.7.2 where the data is accepted .	Send notification that the proposed MEM Appointment has been accepted by the SMRS.	SMRS	Gaining Supplier	MHHS IF 032 SMRS Supplier Agent Appointment Request Response - acceptance	DIP Interface
2.7.6	At the same time as 2.7.5.	Update MEM Appointment and issue MEM Appointment validation request.	SMRS	Gaining MEM	MHHS IF 033 SMRS Request for Supplier Agent Appointment	DIP Interface
2.7.7	Within 60 minutes of receipt of the notification referenced in 2.7.6.	Perform validation checks to confirm Electricity Supplier contract is in place and it has the correct Qualification to be Appointed for the specific Metering Point. If Appointment is accepted, proceed to 2.7.11, otherwise proceed to 2.7.8.	Gaining MEM		Internal Process	N/A
2.7.8	Within 60 minutes of receipt of the notification referenced in	Reject proposed MEM Appointment and delete any	Gaining MEM	SMRS	MHHS IF 034 Supplier Agent Appointment	DIP Interface

Commented [SJ5]: OPC 130

Commented [SJ6]: OPC150

Commented [SJ7]: OPC 150

	2.7.6 where Appointment is to be rejected.	metering details received within 30 days.			Request Response to SMRS - rejection	
2.7.9	Following receipt of the rejection notification referenced in 2.7.8 in accordance with the BSC.	Issue MEM Appointment outcome	SMRS	Gaining Supplier	MHHS IF 035 SMRS Appointment Status Notification - rejection	DIP Interface
2.7.10	As soon as reasonably practicable following receipt of the notification referenced in 2.7.9.	Manage rejection of proposed MEM Appointment. Once resolved initiate new MEM Appointment and follow the process from step 2.7.1.	Electricity Supplier		Internal Process	N/A
2.7.11	Within 60 minutes of receipt of the notification referenced in 2.7.6 where Appointment is to be accepted.	Accept proposed MEM appointment.	Gaining MEM	SMRS	MHHS IF 034 Supplier Agent Appointment Request Response to SMRS - acceptance	DIP Interface
2.7.12	Following receipt of the acceptance notification referenced in 2.7.11 in accordance with BSCP708.	Issue MEM Appointment outcome	SMRS	Gaining Supplier Gaining MEM	MHHS IF 035 SMRS Appointment Status Notification - acceptance	DIP Interface
2.7.12A	By Gaining Supplier Effective From Date	Send MEM de-appointment using legacy Market Messages. The Losing MEM shall not wait for	Losing Supplier	Losing MEM	D0151 Termination of Appointment of Contract by Supplier	Electronic or other method,

		the de-appointment notification before issuing MTDs in accordance with Paragraph 2.7.14.				as agreed
2.7.13	Following receipt of the acceptance notification referenced in 2.7.11 in accordance with the BSC.	Publish MEM Appointment details and request that MTDs are sent. Separate notifications shall be issued for Primary Related Metering Point and Secondary Related Metering Points (if applicable).	<u>SMRS</u>	Losing MEM	D0170 Request for Metering System Related Details	DIP Interface
2.7.14	Within 2WD of receipt of the notification in 2.7.13 for Advanced Metering Assets and Traditional Metering Assets. No further action is required for Smart Meters.	Send MTDs for the Metering Point and all Related Metering Points. Where the MTDs change before the Gaining MEM effective from date, the Losing MEM shall send revised <u>MTDs</u> . For NHH Advanced Meters, the Losing MEM will need to convert the legacy MTDs (which were previously communicated in a D0149/D0150 and D0313) into a D0268 prior to <u>sending</u> .	Losing MEM	Gaining MEM	Advanced Metering Assets D0268 Advanced Meter Technical Details D0383 Notification of Commissioning Information D0384 Notification of Commissioning Status or Traditional Metering	Electronic or other method, as agreed

Commented [AW8]: This step and the next have been amended from the Metering Operations Schedule update agreed by CCAG to reflect the process for migration

Commented [SJ9]: Reflects 9.7.9 of existing schedule and migration design doc which has 2WDs from D0170

Commented [SJ10]: This differs from standard MHHS process as Associated Exports are not captured here - they will be migrated separately and therefore not auto appointed

Commented [SJ11]: New requirement for MHHS migration only

					<p>Assets</p> <p>D0149 Notification of Mapping Details.</p> <p>D0150 Traditional Meter Technical Details</p>	
2.7.15	If required, and no earlier than 3WD following receipt of the notification in 2.7.12, for Advanced Meters and Traditional Meters.	Request missing MTDs where these are required by the Gaining MEM and have not been received.	Gaining MEM	Losing MEM	D0170 Request for Metering System Related Details	Electronic or other method, as agreed
2.7.16	As soon as reasonably practicable, following receipt of the notification in 2.7.15.	Send MTDs. Where the Losing MEM is unable to issue MTDs, it shall report this to the Electricity Supplier. Where the missing MTDs arise as a result of a Switch, any query by the Losing MEM should be directed to the Losing Supplier.	Losing MEM	Gaining MEM	<p>Advanced Metering Assets</p> <p>D0268 Advanced Meter Technical Details</p> <p>D0383 Notification of Commissioning Information</p> <p>D0384 Notification of Commissioning Status</p>	Electronic or other method, as agreed

					or Traditional Metering Assets D0149 Notification of Mapping Details. D0150 Traditional Meter Technical Details	
2.7.17	Following 2.7.11, within the timescales set out in the BSC.	<p>Determine processing treatment e.g. whether the MEM Appointment is effective on the next day or a future date.</p> <p>For retrospective MEM Appointments proceed to 2.7.18, otherwise proceed to 2.7.20.</p>	SMRS		Internal Process	N/A
2.7.18	Following 2.7.17 (where the MEM Appointment is retrospective.	Publish notification of MEM Appointment and MTDs.	SMRS	Gaining Supplier Gaining MEM SDS/ADS	MHHS-IF036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface

				DNO		
				EES Provider		
2.7.19	Not used					
2.7.20	For a prospective MEM Appointment, following completion of the Secured Active processing from CSS on the day before the MEM effective from date.	Review and re-validate MEM Appointment. Where the MEM Appointment is no longer valid e.g. the Switch Request is not Secured, proceed to 2.7.21, otherwise proceed to 2.7.25.	SMRS		Internal Process	N/A
2.7.21	By 21:00 hours on the date before the MEM effective from date where the Appointment is not taking effect.	Issue MEM Appointment outcome notification to reflect lapsed MEM Appointment.	SMRS	Gaining Supplier Gaining MEM	MHHS IF-035 SMRS Appointment Status Notification - rejection	DIP Interface
2.7.22	Following receipt of the notification in 2.7.21.	Receive notification of lapsed Appointment and delete any metering details received within 30 days.	Gaining MEM		Internal Process	N/A
2.7.23	As soon as reasonably practicable following receipt of the notification referenced in 2.7.21.	Manage rejection of MEM Appointment. If required, initiate new MEM Appointment and follow the	Gaining Supplier		Internal Process	N/A

Commented [SJ12]: BR-MS-003

		process from step 2.7.1.				
2.7.24	Not used					
2.7.25	By 21:00 hours on the date before the MEM effective from date where the Appointment is taking effect.	Publish notification of MEM Appointment and MTDs for Metering Point and any Secondary Related Metering Points.	SMRS	Gaining MEM Gaining Supplier ADS / SDS DNO EES Provider	MHHS – IF036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
2.7.26	Following receipt of the notifications in 2.7.14 / 2.7.16 and 2.7.18 / 2.7.25.	Validate MTDs, including reconciliation with data received from the Gaining Supplier. Where discrepancies are identified, the MEM shall resolve these in discussion with the relevant Market Participants. This may delay the ongoing notification in 2.7.27.	Gaining MEM		Internal Process	N/A
2.7.27	Within 60 minutes of receipt of the notification in 2.7.25 (subject to any delay as per 2.7.26).	Send MTDs.	Gaining MEM	ADS / SDS Gaining	Advanced Metering Assets • D0268	Electronic or other method, as

Commented [SJ13]: OPC180

				Supplier	<p>Advanced Meter Technical Details</p> <ul style="list-style-type: none"> • D0383 Notification of Commissioning Information • D0384 Notification of Commissioning Status. <p>or</p> <p>Traditional Metering Assets</p> <ul style="list-style-type: none"> • D0149 Notification of Mapping Details. • D0150 Traditional Meter Technical Details 	agreed
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2.7.28	Following receipt of the notification in 2.7.25 and 2.7.27.	Validate MTDs, including reconciliation with data received from the SMRS. Where discrepancies are identified, the Gaining Supplier shall resolve in discussion with the relevant Market Participants.	Gaining Supplier		Internal Process	N/A
2.7.29	On appointment of Gaining MEM and between 5WD and 10WD of 2.7.25.	Send Consumer details. The D0225 should only be sent where required in accordance with the Transfer of Consumer Data Schedule .	Gaining Supplier	Gaining MEM	D0302 Notification of Customer Details D0225 Priority Services Details	Electronic or other method, as agreed
2.7.30	Within 3WD of 2.7.18 or 2.7.25.	Send notification of Electricity Supplier and MEM appointment.	Gaining MEM	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed
2.7.31	Within 5WD of 2.7.12A .	Send notification of MEM de-appointment.	Losing MEM	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed

Commented [SJ14]: Added to reflect BR MS 087 aligned to existing REC arrangements

Commented [SJ15]: Amended to reflect BAU timelines - see clause 10.7.5 of existing MO Schedule

MHHS Migration with no Switch

2.8. The process below shall be followed where MHHS Migration is enacted via a change of Supplier Agent, with no concurrent Switch. This process is applicable to all types of Metering Asset, but some activities are only applicable to certain types of Metering Asset as specified in the individual steps:

Ref	When	Action	From	To	Information Required	Method
2.8.1	At the Electricity Supplier's option.	Send MEM Appointment request. The Electricity Supplier shall ensure the chosen MEM is acceptable based on the Premises, Market Segment and meter type.	Electricity Supplier	SMRS	MHHS IF 031 Supplier Agent Appointment Request	DIP Interface
2.8.2	Following receipt of the notification referenced in 2.8.1 and in accordance with BSCP708.	Validate MEM Appointment request. If Appointment is accepted, proceed to 2.8.5, otherwise proceed to 2.8.3.	SMRS		Internal Process	N/A
2.8.3	Following 2.8.2 where the data is not accepted .	Send notification that the proposed MEM Appointment has been rejected by the SMRS.	SMRS	Electricity Supplier	MHHS IF 032 SMRS Supplier Agent Appointment Request Response - rejection	DIP Interface
2.8.4	As soon as reasonably	Manage rejection of proposed	Electricity		Internal Process	N/A

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	practicable following receipt of the notification referenced in 2.8.3.	<p>MEM Appointment.</p> <p>Where the rejection is of a type the Electricity Supplier can resolve without involving other industry parties, send a corrected <u>MHHS IF 031</u>.</p> <p>If the Electricity Supplier needs to involve other industry parties to resolve the issue, then reasonable endeavours shall apply.</p> <p>Restart process from 2.8.1.</p>	Supplier			
2.8.5	Following 2.8.2 where the data is accepted .	Send notification that the proposed MEM Appointment has been accepted by the SMRS.	<u>SMRS</u>	Electricity Supplier	MHHS IF 032 SMRS Supplier Agent Appointment Request Response - acceptance	DIP Interface
2.8.6	At the same time as 2.8.5.	Update MEM Appointment and issue MEM Appointment validation request.	SMRS	Gaining MEM	MHHS IF 033 SMRS Request for Supplier Agent Appointment	DIP Interface
2.8.7	Within 60 minutes of receipt of the notification referenced in 2.8.6.	Perform validation checks to confirm Electricity Supplier contract is in place and is has the correct Qualification to be Appointed for the specific	Gaining MEM		Internal Process	N/A

Commented [SJ17]: OPC 130

Commented [SJ18]: OPC150

		Metering Point. If Appointment is accepted, proceed to 2.8.11, otherwise proceed to 2.8.8.				
2.8.8	Within 60 minutes of receipt of the notification referenced in 2.8.6 where Appointment is to be rejected.	Reject proposed MEM Appointment and delete any metering details received within 30 days.	Gaining MEM	SMRS	MHHS IF 034 Supplier Agent Appointment Request Response to SMRS - rejection	DIP Interface
2.8.9	Following receipt of the rejection notification referenced in 2.8.8 in accordance with the BSC.	Issue MEM Appointment outcome	SMRS	Electricity Supplier	MHHS IF 035 SMRS Appointment Status Notification - rejection	DIP Interface
2.8.10	As soon as reasonably practicable following receipt of the notification referenced in 2.8.9.	Manage rejection of proposed MEM Appointment. Once resolved, initiate new MEM Appointment and follow the process from step 2.8.1.	Electricity Supplier		Internal Process	N/A
2.8.11	Within 60 minutes of receipt of the notification referenced in 2.8.6 where Appointment is to be accepted.	Accept proposed MEM appointment.	Gaining MEM	SMRS	MHHS IF 034 Supplier Agent Appointment Request Response to SMRS	DIP Interface
2.8.12	Following receipt of the	Issue MEM Appointment	SMRS	Electricity	MHHS IF 035 SMRS	DIP

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	acceptance notification referenced in 2.8.11 in accordance with the BSC.	outcome.		Supplier Gaining MEM	Appointment Status Notification - acceptance	Interface
2.8.12A	Within 5WD of receipt of the notification referenced in 2.7.12.	Send MEM de-appointment using legacy Market Messages. The Losing MEM shall not wait for the de-appointment notification before issuing MTDs in accordance with Paragraph 2.8.14.	Electricity Supplier	Losing MEM	D0151 Termination of Appointment of Contract by Supplier	Electronic or other method, as agreed
2.8.13	Following receipt of the acceptance notification referenced in 2.8.11 in accordance with the BSC.	Publish MEM Appointment details and request that MTDs are sent. Separate notifications shall be issued for Primary Related Metering Points and Secondary Related Metering Points.	SMRS	Losing MEM	D0170 Request for Metering System Related Details	DIP Interface
2.8.14	Within 2WD of receipt of the request in 2.8.13 for Advanced Meters and Traditional Meter. No further action is required for Smart Meters	Send MTDs for the Metering Point and all Related Metering Points. Where the MTDs change before the Gaining MEM effective from date, the Losing MEM shall send	Losing MEM	Gaining MEM	Advanced Metering Assets D0268 Advanced Meter Technical Details	Electronic or other method, as agreed

Commented [SJ20]: Additional step - added as 2.8.12A to maintain alignment with BAU process

Commented [AW21]: This step and the next have been amended from the Meter Operations Schedule update agreed by CCAG to reflect the process for migration

Commented [SJ22]: Reflects 9.7.9 of existing schedule and the migration design doc which has 2WDs from D0170 and migration design doc

		revised MTDs . For NHH Advanced Meters, the Losing MEM will need to convert the legacy MTDs (which were previously communicated in a D0149/D0150 and D0313) into a D0268 prior to sending .			D0383 Notification of Commissioning Information D0384 Notification of Commissioning Status or Traditional Metering Assets D0149 Notification of Mapping Details. D0150 Traditional Meter Technical Details	
2.8.15	If required, and no earlier than 3WD following receipt of the notification in 2.8.12, for Advanced Meters and Traditional Meters.	Request missing MTDs where these are required by the Gaining MEM and have not been received.	Gaining MEM	Losing MEM	D0170 Request for Metering System Related Details	Electronic or other method, as agreed
2.8.16	As soon as reasonably practicable, following receipt of the notification in 2.8.15.	Send MTDs. Where the Losing MEM is unable to issue MTDs, it shall	Losing MEM	Gaining MEM	Advanced Metering Assets D0268 Advanced	Electronic or other method, as

Commented [SJ23]: This differs from standard MHHS process as Associated Exports are not captured here - they will be migrated separately and therefore not auto appointed

Commented [SJ24]: New requirement for MHHS migration only

		report this to the Electricity Supplier. Where the missing MTDs arise as a result of a Switch, any query by the Losing MEM should be directed to the Losing Supplier.			Meter Technical Details D0383 Notification of Commissioning Information D0384 Notification of Commissioning Status or Traditional Metering Assets D0149 Notification of Mapping Details. D0150 Traditional Meter Technical Details	agreed
2.8.17	Following 2.8.11, within the timescales set out in the BSC.	Determine processing treatment e.g. whether the MEM Appointment is effective on the next day or a future date.	SMRS		Internal Process	N/A

		For retrospective MEM Appointments proceed to 22.8.18, otherwise proceed to 22.8.20.				
2.8.18	Following 2.8.17 (where the MEM Appointment is retrospective).	Publish notification of MEM Appointment and MTDs.	SMRS	Electricity Supplier Gaining MEM SDS/ADS DNO EES Provider	MHHS-IF036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
2.8.19	Not used					
2.8.20	For a prospective MEM Appointment, following completion of the Secured Active processing from CSS on the day before the MEM effective from date.	<p>Review and re-validate MEM Appointment.</p> <p>Where the MEM Appointment is no longer valid e.g. the Switch Request is not Secured, proceed to 2.8.21, otherwise proceed to 2.8.25.</p>	SMRS		Internal Process	N/A
2.8.21	By 21:00 hours on the date before the MEM effective	Issue MEM Appointment outcome notification to reflect	SMRS	Electricity	MHHS IF-035 SMRS Appointment Status	DIP Interface

	from date where the Appointment is not taking effect.	lapsed MEM Appointment.		Supplier Gaining MEM	Notification - rejection	
2.8.22	Following receipt of the notification in 2.8.21.	Receive notification of lapsed Appointment and delete any metering details received within 30 days.	Gaining MEM		Internal Process	N/A
2.8.23	As soon as reasonably practicable following receipt of the notification referenced in 2.8.21.	Manage rejection of MEM Appointment. If required, initiate new MEM Appointment and follow the process from step 2.8.1.	Electricity Supplier		Internal Process	N/A
2.8.24	Not used					
2.8.25	By 21:00 hours on the date before the MEM effective from date where the Appointment is taking effect.	Publish notification of MEM Appointment and MTDs for Metering Point and any Secondary Related Metering Points.	SMRS	Gaining MEM Electricity Supplier ADS / SDS DNO EES Provider	MHHS – IF036 SMRS Notification of Supplier Agent Appointment & Supporting Info	DIP Interface
2.8.26	Following receipt of the	Validate MTDs, including	Gaining		Internal Process	N/A

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Commented [SJ26]: OPC180

	notifications in 2.8.14 / 2.8.16 and 2.8.18 / 2.8.25.	reconciliation with data received from the Electricity Supplier. Where discrepancies are identified, the MEM shall resolve these in discussion with the relevant Market Participants. This may delay the ongoing notification in 2.8.27	MEM			
2.8.27	Within 60 minutes of receipt of the notification in 2.8.25 (subject to any delay as per 2.8.26).	Send MTDs.	Gaining MEM	ADS / SDS Electricity Supplier	Advanced Metering Assets <ul style="list-style-type: none"> • D0268 Advanced Meter Technical Details • D0383 Notification of Commissioning Information • D0384 Notification of Commissioning Status. 	Electronic or other method, as agreed

					or Traditional Metering Assets <ul style="list-style-type: none"> • D0149 Notification of Mapping Details. • D0150 Traditional Meter Technical Details 	
2.8.28	Following receipt of the notification in 2.8.25 and 2.8.27.	<p>Validate MTDs, including reconciliation with data received from the SMRS.</p> <p>Where discrepancies are identified, the Electricity Supplier shall resolve in discussion with the relevant Market Participants.</p>	Electricity Supplier		Internal Process	N/A
2.8.29	On appointment of Gaining MEM and between 5WD and 10WD of 2.8.25.	<p>Send Consumer details.</p> <p>The D0225 should only be sent where required in</p>	Electricity Supplier	Gaining	D0302 Notification of Customer Details D0225 Priority	Electronic or other method, as

		accordance with the Transfer of Consumer Data <u>Schedule</u> .		MEM	Services Details	agreed
2.8.30	Within 3WD of 2.8.18 or 22.8.25.	Send notification of <u>Electricity Supplier and MEM</u> appointment.	Gaining <u>MEM</u>	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed
2.8.31	Within 5WD of <u>2.8.12A</u> .	Send notification of <u>MEM</u> de-appointment.	Losing <u>MEM</u>	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed

Commented [SJ27]: Added to reflect BR MS 087 aligned to existing REC arrangements

Commented [SJ28]: Amended to reflect BAU timelines - see clause 10.7.5 of existing MO Schedule

3 MHHS Reverse Migration

- 3.1. MHHS Reverse Migration is initiated by the Supplier Meter Registration Service where a Metering Point is being settled under MHHS arrangements and a Switch is initiated by a Gaining Supplier which is not MHHS Qualified. Where the Gaining Supplier is MHHS Qualified, it cannot choose to enact MHHS Reverse Migration.
- 3.2. Until the MHHS Migration End Date, prior to initiating a Switch, the Gaining Supplier shall check the MHHS status of the Metering Point using the Electricity Enquiry Service, to determine whether they are in a position to Register the Metering Point.
- 3.3. To initiate the process, the Supplier Meter Registration Agent shall, on receipt of information indicating that a Switch has been initiated by an Electricity Supplier who is not MHHS Qualified for a Metering Point currently settling under MHHS arrangements, send required information to the Losing Supplier via legacy Market Messages.

Commented [SJ29]: This reflects 5.3.2 of the Migration Design doc which state that the Supplier is expected to check the status

Commented [SJ30]: This reflects 5.3.2 of the Migration Design doc which state that the Supplier is expected to check the status

- 3.4. Where a MHHS Reverse Migration occurs, the transmission on an IF-003 Market Message (Notification of Reverse Migration and De-appointment) will indicate that MHHS Reverse Migration has occurred and the Metering Point is now operating under legacy arrangements.
- 3.5. Where a Related Metering Point relationship exists, the Primary Related Metering Point and Secondary Related Metering Point will undergo a Switch simultaneously. However, MHHS Reverse Migration for each Metering Point shall be progressed independently by the Electricity Supplier.
- 3.6. Where an Import / Export Metering Point association exists and one or both Metering Points undergo MHHS Reverse Migration, these shall be progressed independently by the relevant Electricity Suppliers.
- 3.7. Once initiated, a MHHS Reverse Migration will complete unless a notification of a Cancelled Registration is received for the Metering Point by the Electricity Retail Data Service from the Central Switching Service.
- 3.8. The process below shall be followed where MHHS Reverse Migration is enacted as part of a Switch. This process is applicable to all types of Metering Asset, but some activities are only applicable to certain types of Metering Asset as specified in the individual steps:

Ref	When	Action	From	To	Information Required	Method
3.8.1	Where MHHS Reverse Migration is initiated as described in Paragraph 3.1.	Send MEM Appointment request. The Gaining Supplier shall populate the Service Reference (J0274) and Service Level Reference (J0275) with REVM to indicate a MHHS Reverse Migration is being initiated.	Gaining Supplier	Gaining MEM	D0155 Notification of Meter Operator or Data Collector Appointment and Terms	Electronic or other method, as agreed
3.8.2	Within 5WD of 3.8.1, if Appointment is rejected	Send notification of rejection of Appointment including the reason why the request has been rejected. Restart process from 3.8.1.	Gaining MEM	Gaining Supplier	D0261 Rejection of Agent Appointment	Electronic or other method, as agreed
3.8.3	Within 5WD of 3.8.1, if Appointment is accepted	Send notification of acceptance of Appointment.	Gaining MEM	Gaining Supplier	D0011 Agreement of Contractual Terms	Electronic or other method, as agreed
3.8.4	As soon as reasonably practicable following receipt of the notification referenced in 3.8.3	Provide Supplier Agent details and settlement details required in accordance with the BSC.	Gaining Supplier	SMRS	D0205 Update Registration Details	Electronic or other method, as agreed
3.8.5	Following receipt of the notification referenced in 3.8.4.	Perform validation checks. If data is accepted, the D0172 Confirmation of Changes will be issued in	SMRS		Internal Process	N/A

		accordance with the BSC and Supplier Agent Appointment update will be issued to the Central Switching Service in accordance with the RMP Lifecycle Schedule.				
3.8.6	By 21:00 hours on the date before the MEM effective from date where the Appointment is taking effect.	Send MEM de-appointment using DIP Interfaces. This notification will be issued even if the D0205 has not been received in accordance with 3.8.4.	SMRS	Losing MEM Losing Supplier DNO EES	MHHS IF 003 Notification of Reverse Migration and De-appointment	DIP Interface
3.8.7	Within 5WD of receipt of the notification in 3.8.6	Send MTDs. Where the MTDs change before the Gaining MEM effective from date, the Losing MEM shall send revised MTDs. For Smart Meters, the Losing MEM shall create the skeleton D0150. Where the IF003 does not contain details of the Gaining MEM, the Losing MEM shall utilise other means to identify the Gaining MEM e.g. raising a query with the Losing Supplier or viewing the data via the EES.	Losing MEM	Gaining MEM	Advanced Metering Assets D0268 Advanced Meter Technical Details D0383 Notification of Commissioning Information D0384 Notification of Commissioning	Electronic or other method, as agreed

Commented [SJ31]: Reflects 9.7.9 of existing schedule and migration design doc which has 2WDs from D0170

Commented [SJ32]: This differs from standard process as Associated Exports are not captured here - they will be migrated separately and therefore not auto appointed

					Status or Traditional Metering Assets D0149 Notification of Mapping Details. D0150 Traditional Meter Technical Details or Smart Metering Assets Skeleton D0150 Traditional Meter Technical Details	
3.8.8	In parallel with 3.8.7, for Smart Meters.	Send skeleton D0150 Traditional MTDs	Losing MEM	Gaining Supplier	Skeleton D0150 Traditional Meter	Electronic or other

					Technical Details	method, as agreed
3.8.9	Following receipt of the notification referenced in 3.8.8, for Smart Metes.	Send tariff configuration data.	Gaining Supplier	Gaining MEM	D0367 Smart Meter Configuration Details	Electronic or other method, as agreed
3.8.10	Following receipt of notifications referenced in 3.8.7 and 3.8.9, for Smart Meters.	Create a valid D0149 / D0150 pair for onward transmission.	Gaining MEM		Internal Process	N/A
3.8.11	Following receipt of notification referenced in 3.8.7, for Advanced Meters where the Electricity Supplier has determined that the Metering Point should be NHH settled under legacy arrangements.	Transform the MTDs from a D0269 format to a D0149 / D0150 and D0313 format for onward transmission.	Gaining MEM		Internal process	N/A
3.8.12	As soon as reasonably practicable, following receipt of the notification in 3.8.7.	Send MTDs.	Gaining MEM	Gaining Supplier HHDC/ NHHDC	HH Metering Assets D0268 Advanced Meter Technical Details D0383 Notification of Commissioning	Electronic or other method, as agreed

					Information D0384 Notification of Commissioning Status or NHH Metering Assets D0149 Notification of Mapping Details. D0150 Traditional Meter Technical Details D0313 Auxiliary Meter Technical Details	
3.8.13	On appointment of Gaining MEM and between <u>5WD</u> and <u>10WD</u> of 3.8.3.	<p>Send Consumer details.</p> <p>The <u>D0225</u> should only be sent where required in accordance with the Transfer of</p>	<u>Gaining Supplier</u>	<u>Gaining</u>	D0302 Notification of Customer Details	Electronic or other method, as

		Consumer Data Schedule.		MEM	D0225 Priority Services Details	agreed
3.8.14	Within <u>1WD</u> of 3.8.12.	Send notification of Electricity Supplier and MEM appointment.	Gaining MEM	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed
3.8.15	Within <u>5WD</u> of 3.8.6.	Send notification of MEM de-appointment.	Losing MEM	MAP	D0303 Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP.	Electronic or other method, as agreed

4 Change of [Data Service](#)

4.1. The process for [Data Service Appointment](#) is set out within the [BSC](#). Where a [Data Service](#) Appointment occurs as part of MHHS Migration, the [prospective Metering Equipment Manager](#) will receive details of the new [Data Service](#) from the [Supplier Meter Registration Service](#) and will provide [Meter Technical Details](#) to the new [Data Service](#) in accordance with the process below:

Ref	When	Action	From	To	Information Required	Method
4.1.1	Where Data Service Appointment is accepted in accordance with the BSC.	Publish notification of proposed Data Service Appointment.	SMRS	MEM	MHHS-IF035 SMRS Appointment Status Notification	DIP Interface
4.1.2	Within 60 minutes of receipt of the notification in 4.1.1, for Traditional Metering Assets and Advanced Metering Assets only.	Send Meter Technical Details.	MEM	ADS / SDS	<p>Advanced Metering Assets</p> <ul style="list-style-type: none"> • D0268 Half Hourly Meter Technical Details <p>or</p> <p>Traditional Metering Assets</p> <ul style="list-style-type: none"> • D0149 Notification of Mapping Details. • D0150 Traditional Meter Technical Details 	Electronic or other method, as agreed

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