



Building a retail energy
market fit for *the future.*

Market-wide Half Hourly Settlement (MHHS) Engagement Day

13 February 2025

Scan QR to ask
questions on Slido
(code: #3574800)





Welcome

Sid Cox | CEO



Introduction

Jon Hawkins | Director of Operations Programmes

Agenda

- 10:00** Welcome and housekeeping
- 10:05** Introduction
 - Opening remarks (Ofgem)
- 10:20** Deep dive into REC impacts (part 1)
- 11:15** Break
- 11:30** Deep dive into REC impacts (part 2)
- 12:40** Q&A session (part 1)
- 13:00** Lunch
- 14:00** REC Code drafting updates
- 14.20** Performance assurance and MHHS qualification
- 14:40** Change management (code freeze and M10 governance transition)
- 14:55** REC operational readiness for MHHS go live
- 15.05** Q&A session (part 2)
- 15.30** Networking drinks and stalls
 - REC and BSC SMEs are here to answer your questions

Opening remarks

Jenny Boothe | Ofgem, Head of MHHS



Deep dive into REC impacts

Jonny Moore | Operations Consultant

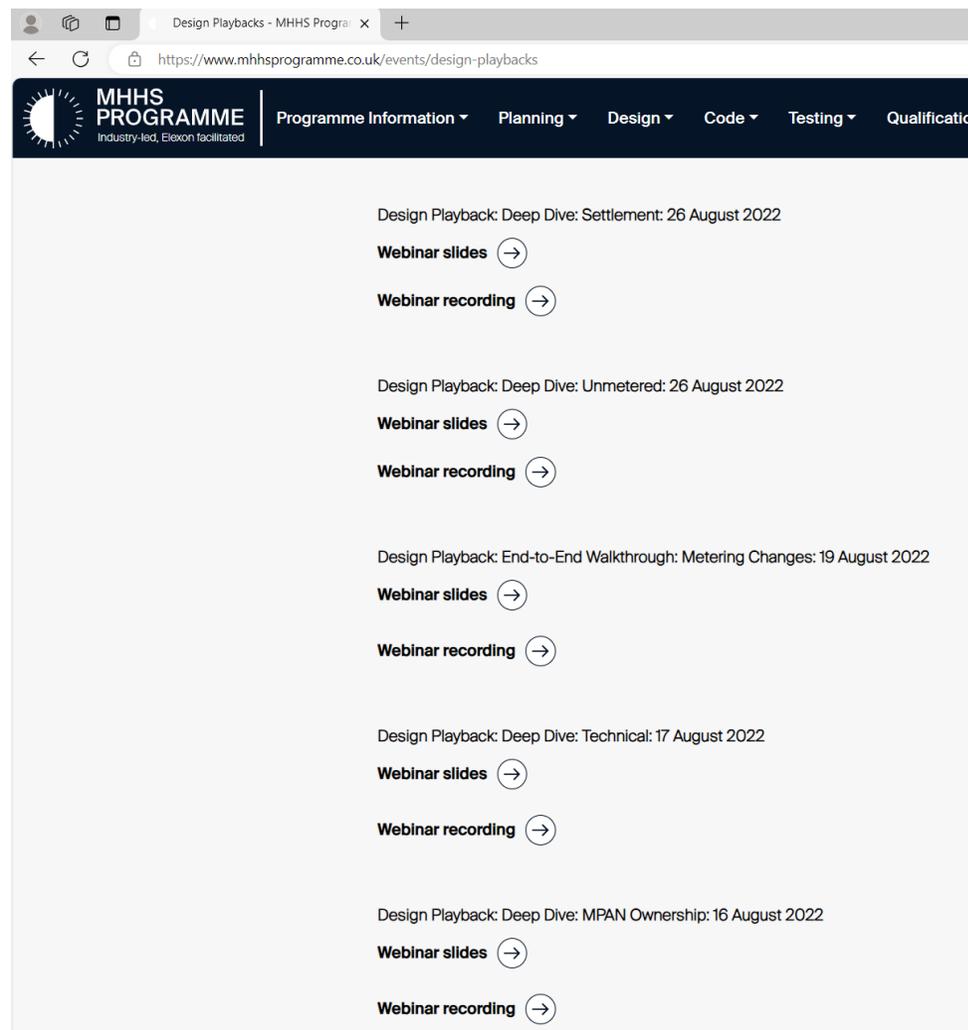
Jon Hawkins | Director of Operations Programmes

MHHS milestone timeline

Milestone reference	Milestone title	CR-055 date
M8	Code changes delivered (M8)	24/09/2025
M10	Central systems ready for migrating MPANs (M10)	24/09/2025
M13	Load Shaping Service switched on (M13)	24/09/2025
M11	Start of migration for UMS/Advanced Segments (M11)	22/10/2025
M12	Start of migration for Smart Segment (M12)	22/10/2025
M14	All suppliers must be able to accept MPANs under the new TOM (one way gate) (M14)	28/10/2026
M15	Full transition complete (M15)	07/05/2027

MHHS design playbacks

- The MHHS Programme has published a series of design playback sessions that explain the various components of the MHHS design.
- These can be accessed on the MHHS Programme website: [Design Playbacks - MHHS Programme](https://www.mhhsprogramme.co.uk/events/design-playbacks)



Changes to the REC

- Changes to the REC have been derived from either the MHHS Design, REC Consequential Change, or standalone REC CPs

MHHS Design

- The MHHS design has been translated into the REC and other codes (BSC, DCUSA etc.). Code drafting has focused on the delivery of the MHHS TOM, including new business processes impacting Meter Operator Agents (MOAs) and Suppliers.
- This was based on the design baselined in October 2022 and has been updated in line with Programme approved changes (DINs + CRs) to the design.

Consequential Change

- Consequential impacts to the REC which were not captured within baselined MHHS design artefacts have been agreed as 'REC Consequential Change'.
- REC Consequential Change agreed by the REC MHHS Stakeholder Advisory Group (MSAG) and captured in MHHS drafting.

REC Change Proposals

- Standalone REC CPs progressed to enable formal impact assessment and Authority approval:
- Includes:
 - R0044 / R0097 – SMDR appointment updates to CSS
 - R0083 – Supply Number update
 - R0093 – CSS migration volumetrics

- The Consequential Changes agreed upon via MSAG have been built into the wider MHHS drafting progressing under the REC and will not be separately identifiable from the wider MHHS changes

High-level REC impacts

- The main REC impacts result from the following elements of the MHHS design

Segmentation of the market into **Smart, Advanced**, and **Unmetered** leads to differing processes (and associated Market Messages) to be followed for each Market Segment.

Creation of a dependency on the 'Registration Service' for holding and passing information relating to agent appointments and Meter Technical Details (MTDs).

Replacement of some existing DTN flows with new DIP interfaces, impacting Supplier and MEM communication, as well as communication with the Electricity Enquiry Service (EES).

An event-driven architecture where the majority of downstream messages should be sent within 60 / 120 minutes of the message trigger.

(An exception to this includes the SLA for sending MTDs following meter works which is set to 3WDs.)

Data Integration Platform (DIP): An introduction

What is the DIP?

- The DIP is a message-orientated, event-driven middleware component at the core of the MHHS TOM landscape.
- The DIP acts as a central hub for communication between DIP Users with industry market messages sent to the DIP and transformed into DIP publications made available to all relevant recipients (i.e. a single agent appointment update can be published to multiple recipients in one transaction).

What are DIP Market Messages?

- Approximately 50 DIP market messages have been defined for use in the new MHHS business processes. These are documented in the DIP Interface Catalogue (DES138 [link](#)) and will be translated into the Energy Market Data Specification maintained by the REC Code Manager at M8 (September 2025).

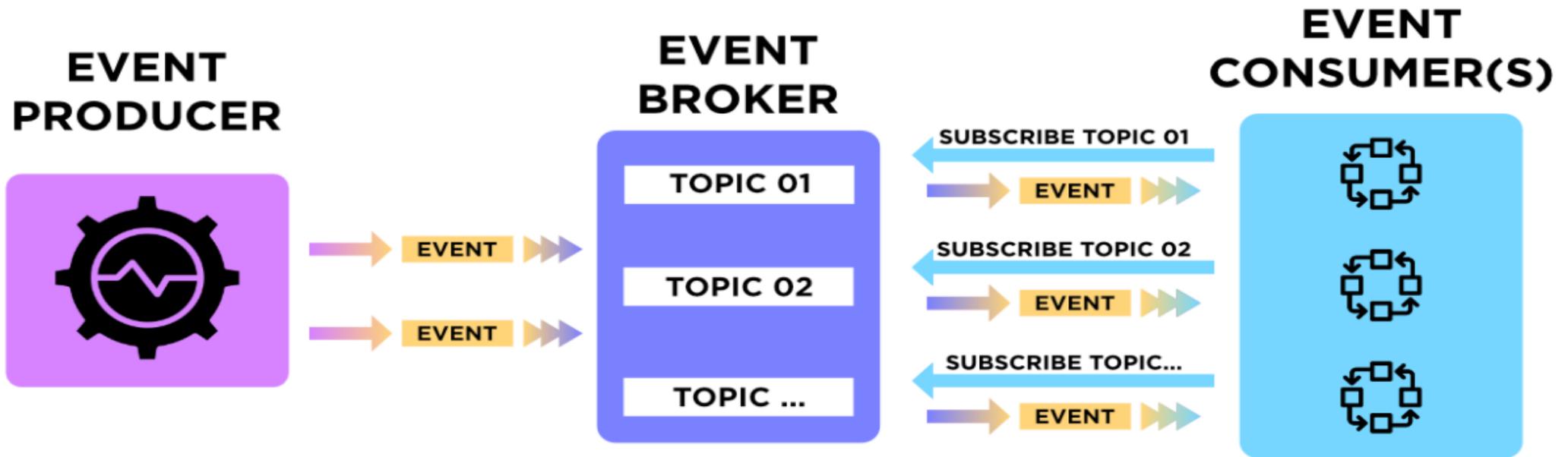
Who is the DIP Service Provider?

- The MHHS Programme has procured Avanade to deliver and operate the DIP, who is supported by GlobalSign with responsibility for managing the provision of security certificates.
- Responsibility for oversight and management of the DIP Service Provider (Avanade) will pass to the DIP Manager at M10 (September 2025).

Who is the DIP Manager?

- The DIP Manager is the organisation tasked with delivery of the DIP including its ongoing governance, funding and operation.
- Ofgem has appointed Elexon as the DIP Manager. The DIP Manager is gradually assuming responsibility for the DIP, with the governance arrangements going live on 1st October 2024. The DIP Rules are held within the BSC Digital Code: [Data Integration Platform - Elexon Digital BSC](#)

DIP event-driven architecture



DIP impacts on REC parties

- Suppliers, MOAs, and Distribution Network Operators (DNOs) will be required to prove DIP connectivity as part of MHHS Qualification.
- This includes adherence to the DIP Rules, which are contained within the BSC. Non-BSC Parties (such as MOAs) will need to sign a DIP Access Agreement.
- Most interactions with SMRS and Elexon's Central Settlement Services will be managed via DIP Market Messages.
- A number of REC processes – such as the transfer of MTDs, changes of Energisation Status, and the appointment of MOAs – will use the DIP and DIP Market Messages.

Market segments

- The MHHS TOM establishes three Market Segments



- Where a combination of meters are installed, the Metering Points as a whole will be classified as Advanced.
- MHHS does not impact physical metering activities; however, the new metering-related processes (and required Market Messages) are different for the Smart and Advanced Market Segments.
- Therefore, MOAs will need to be Qualified as a Smart MOA and/or an Advanced MOA in order to be appointed to an MHHS Migrated Metering Point.

Role of the Registration Service

MHHS TOM



The MHHS design includes a central role for the 'Registration Service'

Registration Service Definition



Within the MHHS Design, the 'Registration Service' covers the services operated by both the ERDS (Electricity Retail Data Service) and the SMRS (Supplier Meter Registration Service)

Registration Service Requirements



The majority of MHHS Registration Service requirements relate to the BSC governed SMRS and are incorporated within the BSC

ERDS



The majority of ERDS requirements within the REC remain unchanged, with the exception of EES updates which are now a SMRS requirement and have moved to the BSC

Impact to REC Processes



Under the MHHS design the SMRS is responsible for managing Supplier Agent appointments and Smart MTDs

Meter change and updates

Current

DTN messages used to request meter works:

- D0142 for install, exchange, remove
- D0134 for change of energisation
- D0001 for meter investigation

DTN messages used to request meter works:

- D0312 to update SMRS
- D0268 to update HH MTDs
- D0149/D0150/D0313 to update NHH MTDs
- D0010 to share meter readings

MHHS

Existing DTN messages retained for requesting meter works.

DIP message for updates to SMRS used to share MTDs with other market participants (IF005 / IF006) and cumulative register reads (IF041)

D0268 retained to share Advanced MTDs, D0149 / 150 to share Traditional MTDs and D0010 to share meter register reads (Traditional meters only)

In addition:

1

Under MHHS, physical metering activities are unchanged. Therefore, no material changes have been identified to the CoMCoP and there is no requirement for MOAs to undergo additional accreditation checks.

2

For Smart meters, all required information will be held by the SMRS and therefore no DTN messages are required.

Traditional and Advanced MTDs and Meter Register Readings are shared via the DTN.

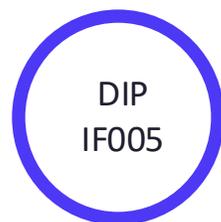
3

Separate notification always required for change of energisation (IF007 / IF008).

Meter change

Meter Install, Exchange, Remove

Supplier requests meter works



SMRS issues the updated MTDs to interested parties (Supplier, DNOs and Data Service)

MOA issues MTDs to the SMRS via DIP IF005 to ensure central records are maintained

D0268 retained to share Advanced MTDs, D0149 / 150 to share Traditional MTDs

Change of Energisation Status

Supplier requests change of energisation status



SMRS issues update to interested parties (Supplier, DNOs and Data Service)

MOA issues notification to the SMRS via DIP IF007 to ensure central records are maintained

For both activities, meter readings are shared:

- Cumulative Meter Readings are shared for Smart and Advanced meters via the IF041.
- Meter Register Readings are shared for Advanced and Traditional meters via the D0010.

Supplier agent appointment

Current

Supplier Agents appointed as part of an Initial Registration, Switch or Change of Agent. Bilateral communications between Supplier and Supplier Agent via the DTN with notification to the SMRS.

MHHS

Supplier obligation to initiate appointment where an Initial Registration or Switch is pending (within 60 minutes). Supplier Agent appointment request managed by the SMRS, with centralised validation before notification to parties via the DIP.

In addition:

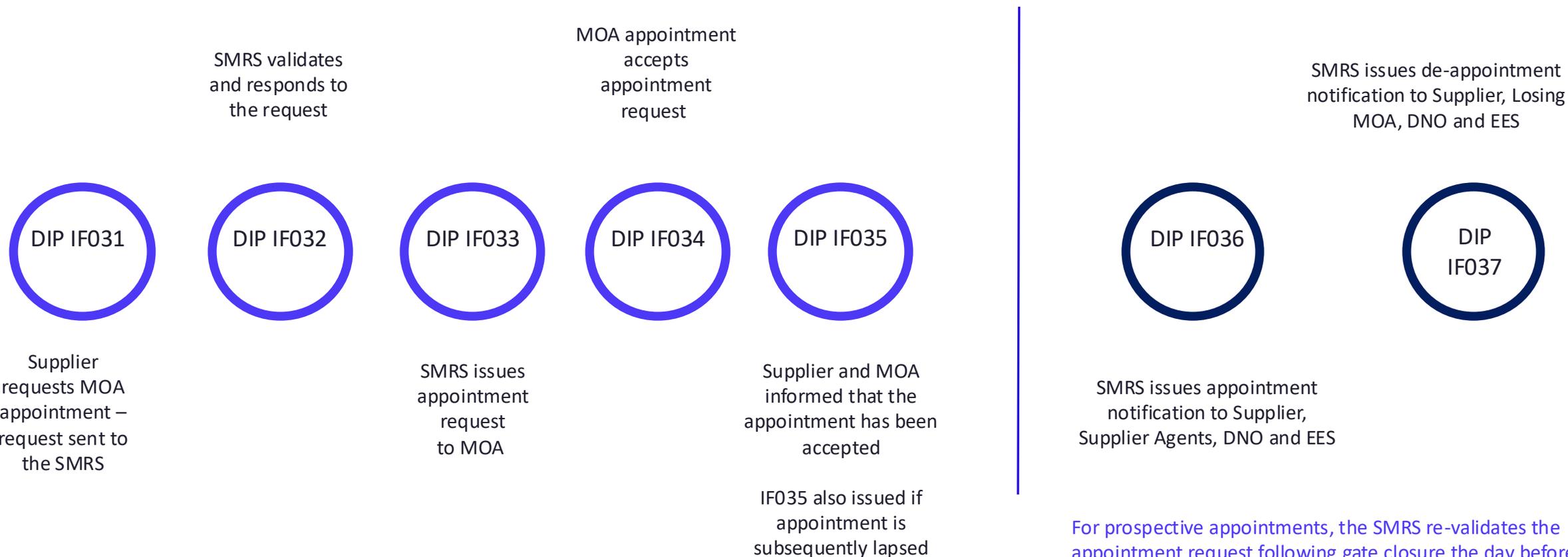
- 1** Supplier Agent appointments confirmed by SMRS as a result of Secured Active processing the evening before the Supplier Registration Effective From Date.

Retrospective appointments can be progressed dating back to the latest Supplier Registration Effective From Date.
- 2** Smart meters – MTDs shared by SMRS as part of appointment confirmation notification (IF036).

Traditional and Advanced Meters – existing DTN flows used in addition to the IF036. Losing MOA to share MTDs within 120 minutes of appointment acceptance notification.
- 3** REC Consequential Change to utilise D0170 for Gaining MOA to request missing MTDs from Losing MOA.
- 4** Where Supplier Agent appointments are not established at the Supplier Registration Effective From Date, IF-045 DIP messages will be issued to the relevant Supplier highlighting the gap. This notification will be issued every 7 days.

MOA appointment

Appointment Confirmed



For prospective appointments, the SMRS re-validates the appointment request following gate closure the day before the appointment EFD to confirm the Supplier is still registered against the Metering Point.

Related metering point associations

Current

Where a Related Metering Point association is in place, the Supplier registered to the Primary Metering Point would be auto-registered to the Secondary Related Metering Point by the CSS.

MHHS

Extends existing arrangements to also apply to Supplier Agent appointments. MOA (and Data Service) appointment to be progressed in relation to the Primary Related Metering Point, with the MOA (and Data Service) auto-appointed to any Secondary Related Metering Points.

In addition:

- 1** New DIP messages (IF019 / IF020) will replace existing DTN messages to establish/amend Related Metering Point associations.
- 2** Changes to Related Metering Point Associations may result in auto-appointment/de-appointment of MOAs and should therefore be monitored carefully by Suppliers
- 3** Additional consequential change has been progressed to remove redundant references to Meter Timeswitch Codes and NHH/HH split.

 As such, related Metering Points are now defined in relation to whether they relate to Whole Current or Current Transformer (CT) Connection Types.

Import and export associations

Current

Import and Export Metering Points may be registered by different Suppliers.

However, there is an existing requirement on Suppliers to appoint the same MOA to Import and Export Metering Points using the same metering asset.

MHHS

Import and Export Metering Points can still be registered by different Suppliers.

Mechanism introduced for these to be formally linked in SMRS so MOA appointment would only be progressed in relation to the Import Metering Point.

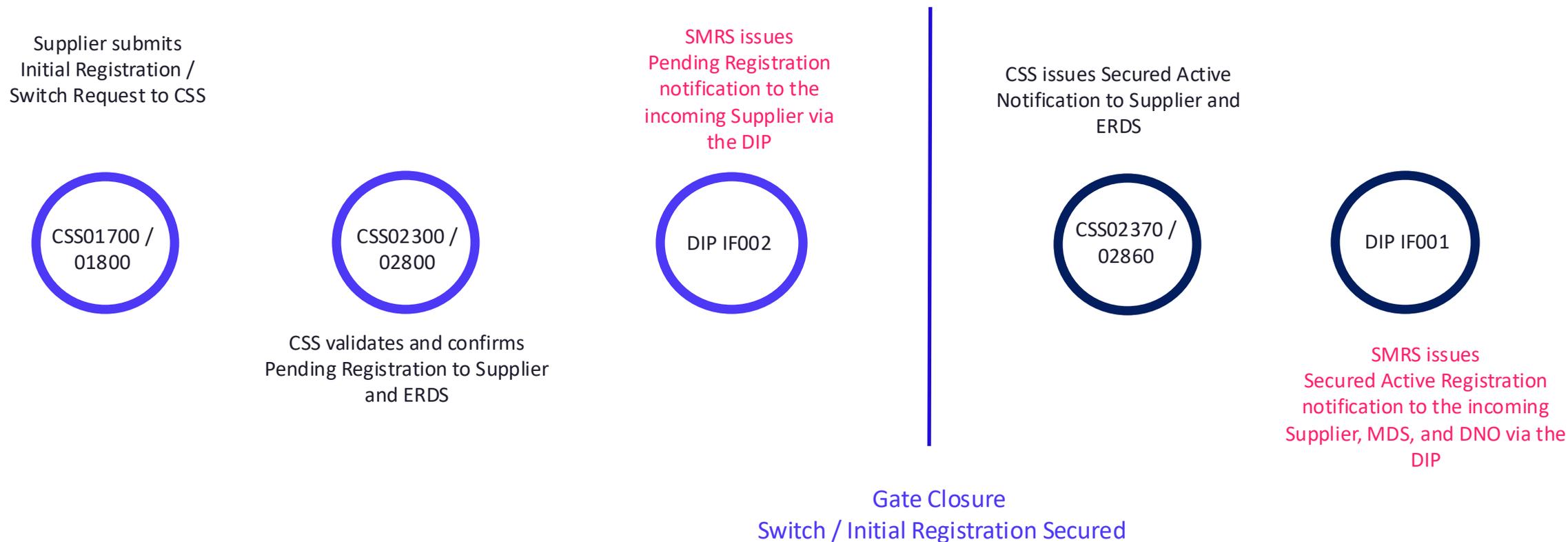
In addition:

- 1** DIP messages (IF019 / IF020) used to request Import / Export Association via the DNO.

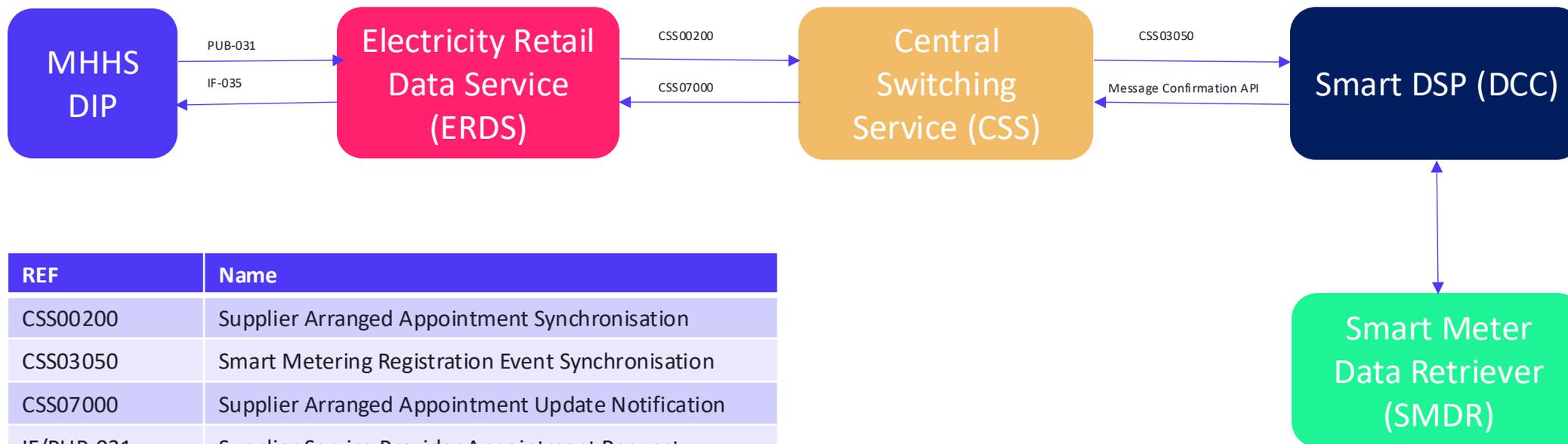
BSC governs Import / Export Associations.
- 2** If an Import and Export Metering Point are associated in SMRS, the MOA assigned to the Import Metering Point will automatically be appointed to the Export Metering Point. Appointment notifications will be issued to both Suppliers.
- 3** Changes to Import/Export Associations may result in auto-appointment (and consequential de-appointment) of MOAs and is therefore an area to be monitored post go-live.

Switching impacts

- No change to the CSS process
- Changes introduced into SMRS notifications under the BSC are highlighted in pink below



Smart meter data retriever: choreography



REF	Name
CSS00200	Supplier Arranged Appointment Synchronisation
CSS03050	Smart Metering Registration Event Synchronisation
CSS07000	Supplier Arranged Appointment Update Notification
IF/PUB-031	Supplier Service Provider Appointment Request
IF/PUB-035	Registration Service Appointment Status Notification

MHHS: Indirect effects on CSS switching arrangements

Registrations & Switches

CSS shares details of pending Initial Registrations and Switches with ERDS prompting SMRS to send a new DIP message to the incoming Supplier, leading to Supplier Agent appointments

Confirmation of Registrations & Switches

When a registration or switch is secured, CSS notifies ERDS, which triggers SMRS to confirm Supplier Agent Appointments and provide Metering Point information to the incoming Supplier.

Transfer Read

Switches also trigger the 'Transfer Read' process under the BSC, where the relevant Data Service provides the read for agreement by Suppliers.

Meter Read Exceptions

The existing process for managing Switch Meter Read exceptions is being retained within the REC, however, changes have been developed to recognise the separate process for determining the read for Traditional, Smart and Advanced meters. (See next slide)

Supplier exception processes

Current

Erroneous Switch and Switch Meter Reading exceptions process only apply to NHH

Triggers for Switch Meter Reading exceptions process differentiate between DCC enrolled meters (10WDs) and non-DCC enrolled meters (15WDs)

This process will continue to apply for all Switch reads calculated via legacy processes (including Reverse Migrations)

MHHS

Restriction removed from Erroneous Switch and Switch Meter Reading exceptions to align to other processes in Schedule 30 (CFSB)

Trigger for electricity Switch Meter Reading exceptions process aligned for all electricity meters to reflect the new Market Segments and the MHHS timescales (10WDs)

This process will apply for all COS reads calculated under MHHS processes, including Forward COS migrations

In addition:

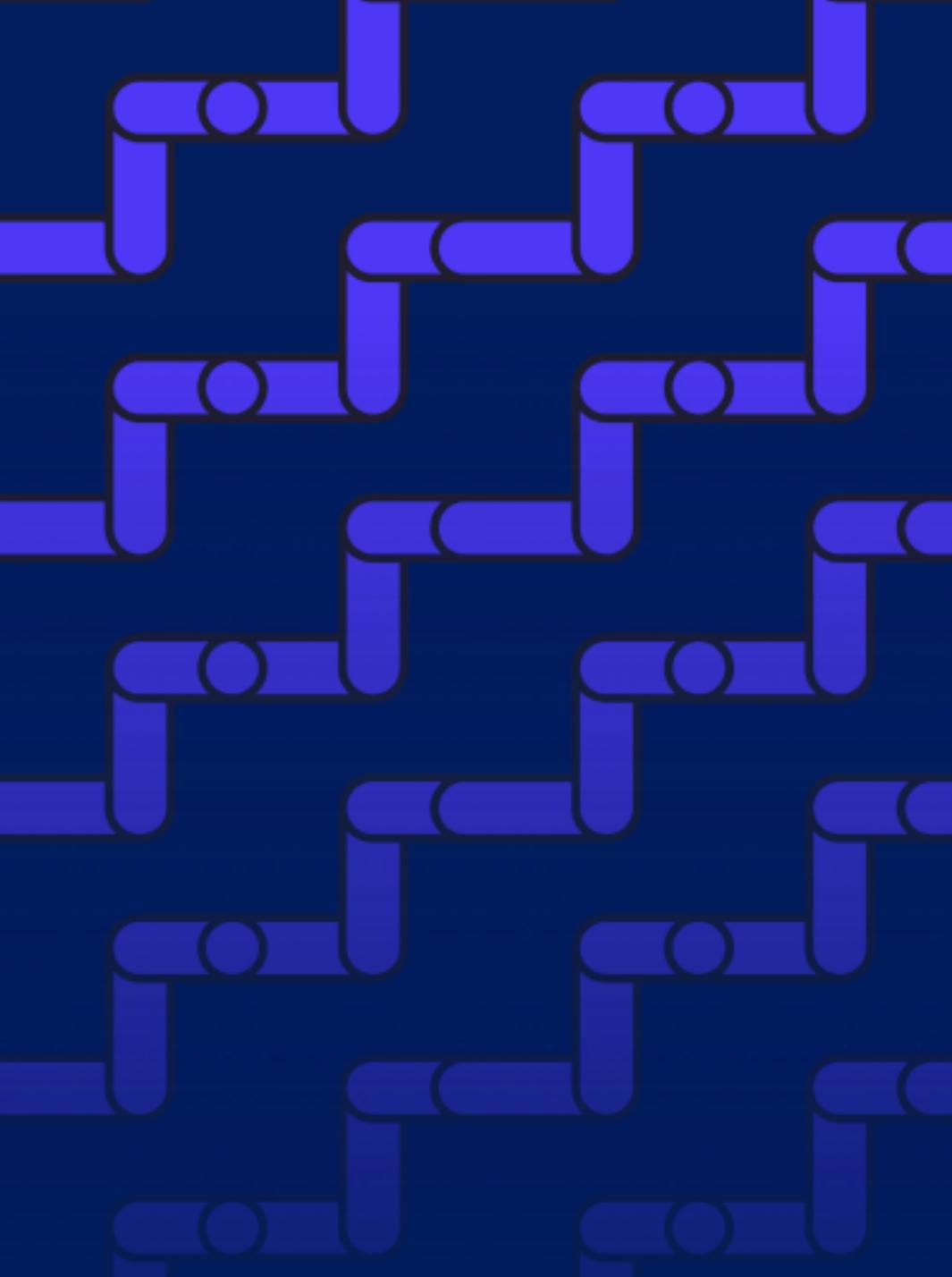
- 1** Change made to clarify that Cumulative Register Reads should be used for Smart meters and Meter Register Reads for Traditional meters.
- 2** Changes made to clarify that amended bills should cover the full period of erroneous data regardless of whether an equivalent correction is applied within settlements.
- 3** New enumeration added to Reading Type (J0171) Data Item for 'Supplier Agreed Switch Read' in D0010. This indicates to the Data Service that the read is resolving a Switch Metering Reading exception.

Q&A session

Scan QR to ask questions on Slido (code: [#3574800](#))

Or raise your hand





Break

We'll be taking a quick 15-minute coffee break

Supply number format

- Initially progressed as a REC consequential change, however following consultation with industry, there was no clear consensus on a preferred approach. Therefore, was taken through the full REC change process.

What is the Supply Number?

Suppliers, as part of their licence, must include the Supply Number on all customer bills, or an annual statement where a bill is not issued. The Supply Number format is prescribed in the REC Data Specification.

How does MHHS impact the Supply Number?

MHHS Design impacts all three data items in the existing top line of the Supply Number.

- Profile Class Id – retained but only mandatory for traditional meters
- MTC – redundant
- LLFC Id – redundant and replaced by DUOS Tariff ID.

Why is Profile Class becoming optional for Smart and Advanced?

MHHS will use actual half hourly data and will no longer use profile curves for settlement. Therefore, Profile Class is only needed for traditional meters.

Why are MTC / and LLFC Id being removed?

Meter Timeswitch Code is not used in any MHHS processes, and the information can be derived from other data items, e.g. meter type.

LLFC Id is being replaced with a DUoS Tariff Id within the MHHS design.

What change is being made to the REC?

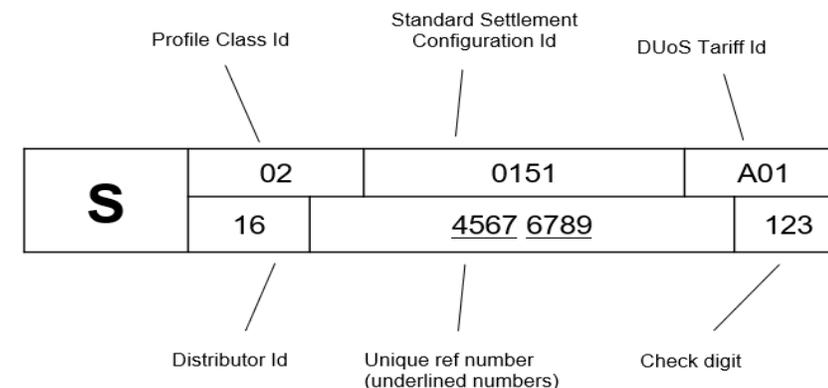
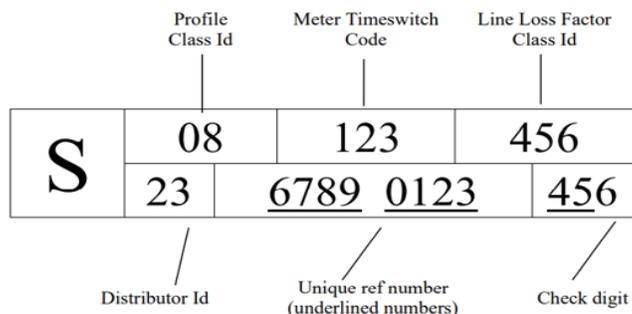
R0083 was approved to amend the top line of the Supply Number format to include SSC rather than MTC and DUoS Tariff Id rather than LLFC Id.

How is the change being implemented (R0083)?

R0083 will be implemented at MHHS go-live (M8, September 25), for all MPANs with Suppliers being expected to use the new format in bills etc. from this date.

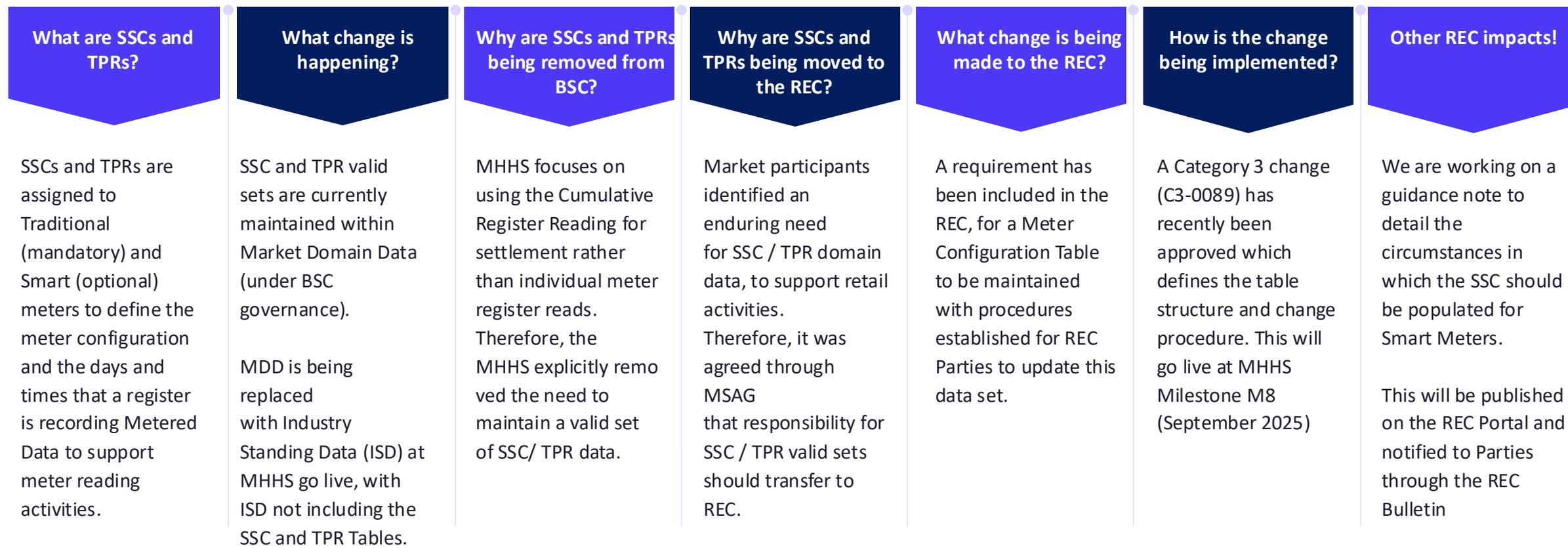
Where data is not available e.g. for the PC/SSC for non-migrated MPANs, null values will be populated.

For non-migrated MPANs the LLFC Id will be used instead of the DUOS Tariff ID.



SSC and TPR valid sets

- REC consequential change to introduce a new enduring process under REC governance for maintaining a table of metering configuration domain data, including Standard Settlement Configuration (SSC) and Time Pattern Regime (TPR)



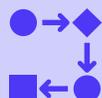
Meter Configuration Table



Hosting of the table will begin on or around MHHS Milestone M8 (**September 2025**). The REC Code Manager will engage with Elexon as the current host to ensure a smooth transition.



Changes to the existing MDD table will be allowed until the **end of July 2025**, after which both the MDD and REC hosted Meter Configuration Table will be frozen.



From the end of migration at MHHS Milestone **M15 (May 2027)** changes can be made to the Meter Configuration Table by submitting a change proposal to the REC Code Manager



Changes made would lead to an impact assessment. Any impacts identified will be considered and actioned as appropriate and sign-off would be undertaken monthly by the Metering Expert Panel (MEP)

Tables to be maintained as the MCT set

MDD Entity Id 27 – Clock Interval **MDD Entity ID 27 – Clock Interval (c.11,000 records)**

Time Pattern Regime Id	Day of the Week Id	Start Day	Start Month	End Day	End Month	Start Time	End Time

MDD Entity Id 29 - Measurement Requirement **MDD Entity ID 29 – Measurement Requirement (c.1500 records)**

Standard Settlement Configuration Id	Time Pattern Regime Id

MDD Entity Id 32 - Standard Settlement Configuration **MDD Entity ID 32 – Standard Settlement Configuration (c.1000 records)**

Standard Settlement Configuration Id	Effective From Settlement Date {SSC}	Effective To Settlement Date {SSC}	Standard Settlement Configuration Description	Standard Settlement Configuration Type	Teleswitch User Id	Teleswitch Group Id

MDD Entity Id 38 - Time Pattern Regime **MDD Entity ID 38 – Time Pattern Regime (c.1200 records)**

Time Pattern Regime Id	<u>Teleswitch</u> / Clock Indicator	GMT Indicator

Electricity Enquiry Service changes: an overview

- Changes needed to Electricity Enquiry Service (EES) to reflect these four elements



New, amended or removed data items from MHHS design



New user roles to reflect new & amended market participants

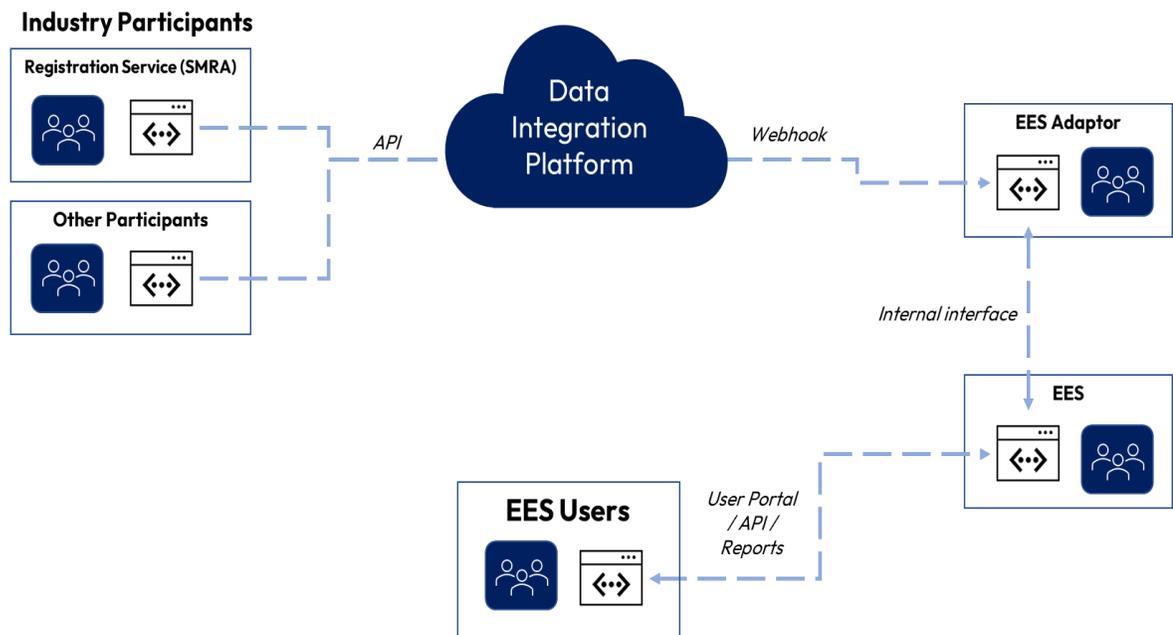


Move to event driven architecture & near-real time updates to data from the DIP



Forward/ reverse migration between legacy and MHHS arrangements

Near real-time updates from the DIP



- In the new arrangements, EES will interface directly with the Data Integration Platform (DIP), replacing the current interface with ERDS.
- This will allow near real-time updates of data items and provide a simplified model, allowing future innovation.
- Items sourced from CSS will now be updated directly from CSS messaging.

New MHHS only Data Items*

- Domestic Premises Indicator
- DUoS Tariff ID + EFD
- Market Segment Indicator + EFD
- Annual Consumption + EFD
- Annual Consumption Quality Indicator
- Assigned MDR MPID, DIP ID + EFD
- Data Service MPID, DIP ID + EFD
- Meter Manufacturer
- Customer Direct Contract Data Service (MPID + DIP ID)
- Customer Direct Contract Metering Service** (MPID +DIP ID)
- Supplier, Metering Service** + DNO DIP ID
- MHHS Indicator + EFD

Legacy Data Items not used in MHHS

- MPAN Designation
- Line Loss Factor Class ID + EFD
- Measurement Class ID + EFD
- Meter Time Switch Class + EFD
- Related MTC
- Data Aggregator MPID + EFD
- Data Collector MPID + EFD
- SMETS Version

*This does not include the MHHS enabling data items introduced on 30th June 2023 as part of R0032 and R0066. These will continue to be present for all MPANs.

**The Meter Operator will be rebadged as 'Metering Service' to acknowledge this also includes the UMSO.

The MHHS Programme will seek to migrate circa 33 million MPANs from legacy arrangements into one of the new MHHS Market Segments.

This is a significant task for the industry and will require significant planning and monitoring by the MHHS Programme.

The Migration itself is actioned by the appointment of an MHHS qualified Meter Operator Agent and Data Service.

Migration progress and Suppliers' adherence to submitted Migration Plans will be managed by the MHHS Programme's Migration Control Centre (MCC).

Reverse migration

- When will the 'Reverse Migration' process be initiated?



During the migration period, there's a possibility that a non-qualified Supplier could acquire an already migrated Metering Point



Reverse migration will revert a Metering Point to its legacy state, requiring it to be re-migrated back to MHHS before the migration period ends



Reverse migration is only permitted until M14 (October 2026), by which time all Suppliers must be MHHS qualified. After this deadline, no Metering Point can undergo reverse migration



Complex metered Metering Points are not allowed to reverse migrate, meaning these sites will not be able to migrate until after October 2026

Migration of Metering Points

- MHHS migration is delivered separately for each Metering Point
- Suppliers must be MHHS Qualified under both the BSC and the REC before initiating MHHS migration

Forward Migration CoA



When SMRS receives MHHS appointment requests via the DIP for a Metering Point currently under legacy arrangements, it follows the Forward Migration CoA process, sending the D0170 to the losing Supplier Agents to trigger the sending of MTDs, and sending DIP messages to the gaining Supplier Agents as per MHHS BAU.

Forward Migration CoS



When SMRS receives a pending Switch notification for an MHHS Qualified Supplier for a non-migrated Metering Point, it issues both DTN and DIP messages to the Gaining Supplier who can then determine whether to migrate the Metering Point in parallel with the Switch.

If the Supplier responds with appointment requests via the DIP it follows the Forward Migration process.

Reverse Migration



If an unqualified Supplier registers a migrated Metering Point, SMRS follows the Reverse Migration process, allowing the Supplier registration to proceed and the Metering Point to return to legacy arrangements.

- Note: A Programme PPIR is currently considering whether MPANs created post M10 should be created as MHHS or Legacy.

Changes to REC-owned DTN data flows

- A small number of DTN data flows need to be changed to reflect the MHHS design. These are primarily minor amendments to confirm how particular data items should be treated, the addition of new values to data items to support migration, and a clarification that, in MHHS, the cumulative register should be used for meter readings taken from Smart Meters.
- Two data flows will be uplifted to a new version: **D0303** 'Notification of Meter Operator, Supplier and Metering Assets installed/removed by the MOP to the MAP' and **D0311** 'Notification of Old Supplier Information'.
- Changes have also been made to **BSC-owned data flows**. A list of all changes to data flows can be found on the MHHS Programme website: [MHHS impacts to Data Transfer Network \(DTN\) Flows - MHHS Programme](#).
- In addition, due to the introduction of new market roles for MHHS, new **scenario variants** have been created for 36 DTN data flows. The relevant new MHHS Market Roles are:

N	Smart Data Service Agent (SDS)
O	Advanced Data Service Agent (ADS)
S	Smart Meter Equipment Manager (MSS)
T	Advanced Meter Equipment Manager (MSA)

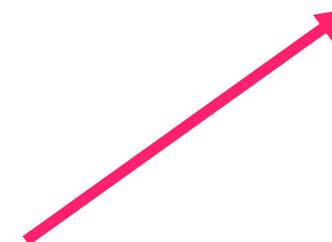
Changes to REC-owned DTC flows

- The DTC changes will be introduced via the normal release process on MHHS Programme Milestone 8 (**M8**) 'Code Changes Delivered' currently planned for Monday **22 September 2025**. This is following the Central Systems cutover weekend, with the cutover plan being developed through the MHHS Programme's Transition and Operational Readiness Working Group (TORWG)
- Electralink has already updated the DTN for these changes to allow test flows to be sent for MHHS SIT Testing.
- A further change will be raised to remove redundant flows following the end of the MHHS Migration Period, currently planned for **7 May 2027**.
- REC-owned data flows requiring change are:
 - D0139
 - D0149
 - D0150
 - D0170
 - D0268
 - D0300
 - D0303
 - D0304
 - D0311
 - D0312

Updated D0139 'Confirmation or Rejection of Energisation Status Change'

- New rule to clarify that meter readings for Smart Meters in MHHS should relate to the total cumulative register

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule	Data Item Alternat Name
261	MPAN Cores	1-*		G										
					1							MPAN Core		
					1							Energisation Status		
					1							Date of Action		
					0							Failure to Energise De-Energise Reason Code		
					0							Site Visit Check Code		
262	Meter Detail per MPAN Core	0-*		G										
						1						Meter ID		
263	Register Details per Meter	0-*				G								
							1					Meter Register Id	For MHHS Metering Points, this Data Item should be populated with the Cumulative Register Reading for Smart Metering Assets.	
							1					Reading Type		
							0					Register Reading		



Updated D0268 'Half Hourly Meter Technical Details'

- Flow name amended to 'Advanced Meter Technical Details'

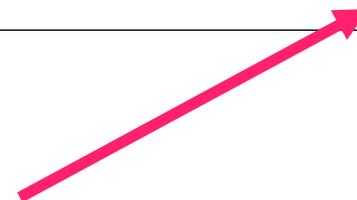
Message Flow Details

MM00156 - Advanced Meter Technical Details

Updated D0300 'Disputed Readings or Missing Readings on Change of Supplier'

- New rule to clarify that meter readings for Smart Meters in MHHS should relate to the total cumulative register

60C	Meter Register Details	1-*														
						G								Meter Register Id	For MHHS Metering Points, this Data Item should be populated with the Cumulative Register Reading for Smart Metering Assets.	



Updated D0303 'Notification of Meter Operator, Supplier and Metering Assets installed / removed by the MOP to the MAP'

- Flow updated to Version 2.0
- J0049 'Effective from Settlement Date (REGI)' and J0410 'Manufacturers Make and Type' data items made optional

						0					Additional Information		
						1					Supplier Id		
						0					Effective from Settlement Date {REGI}		
						0					MAP Contract Reference		
74C	Meter Details	1-*	Meter Details message collection must be present for every meter installed which is owned by the Meter Asset Provider.			G							
						1					Meter ID		
						0					Manufacturers Make and Type		

Updated D0304 'Notification of Meter Asset Provider'

- New value added to J2225 'MPAS D0304 Response Code' to reference MPAS metering updates are not possible while an MHHS migration is in progress or completed (the IF-005 is used for migrated MPANs)

L	Rejected - Sending MOP is not the appointed MOP on date of MAP appointment or the current MOP.
M	Rejected - No MOP appointed to MPAN on date of MAP appointment.
N	Rejected " Effective From Date {MAPA} not specified
O	Rejected " MPAN Core not specified
P	Rejected " Effective From Date {MAPA} prior to current MAP Effective From Date
Q	<u>MPAN Fwd migration in progress or completed</u>



Updated D0311 'Notification of Old Supplier Information'

- Flow version updated to 2.0
- New rules to clarify that the Profile Class Id and MTC should be null if no value exists for MHHS MPANs
- New rule to clarify that the LLFC Id should be populated by the DUOS Tariff ID for MHHS MPANs
- New rules for sending last Actual / Customer Reads and EAC

0										Profile Class Id	For MHHS Metering Points the Profile Class shall be populated for Traditional Metering Assets. For all other MHHS Metering Points the value shall be null.
0										Meter Timeswitch Code	For MHHS Metering Points the value shall be null.
0										Line Loss Factor Class Id	For MHHS Metering Points the value shall be populated with the equivalent DUoS Tariff Id Data Item.

07D	Last Actual or Customer Register Readings	0-*	For Smart Meters where time of use registers are in use all active Time of Use registers and the total cumulative register shall be provided	G							
					1					Meter Register Id	
					1					Reading Date & Time	
					1					Register Reading	
					1					Reading Type	
					1					Time Pattern Regime	Where this relates to the total cumulative register the value should be 00001A
08D	Old Supplier Estimated CoS Readings	0-*		G							
					1					Meter Register Id	
					1					Register Reading	
09D	Old Supplier's Last EAC Header	0-*	Only populated for Non-MHHS Metering Points	G							
					1					Effective from Settlement Date	
10D	Old Supplier's Last EAC Details	1-*	Only populated for Non-MHHS Metering Points	G							
					1					Time Pattern Regime	

Updated D0312 'Notification of Meter Information to MPAS'

- New value added to J2256 'MOP Flow Response Code' to reference MPAS metering updates are not possible while an MHHS migration is in progress or completed (the update will be via the IF-005 for Migrated MPANs)

Z	Rejected – Non-Smart Meter Type with Number of Displayed Register Digits populated
AA	Rejected – Meter Location is invalid
AB	Rejected – Non-Smart Meter Type with ESME ID populated
AC	Rejected – Number of Displayed Register Digits is incorrect
AD	MPAN Fwd migration in progress or completed

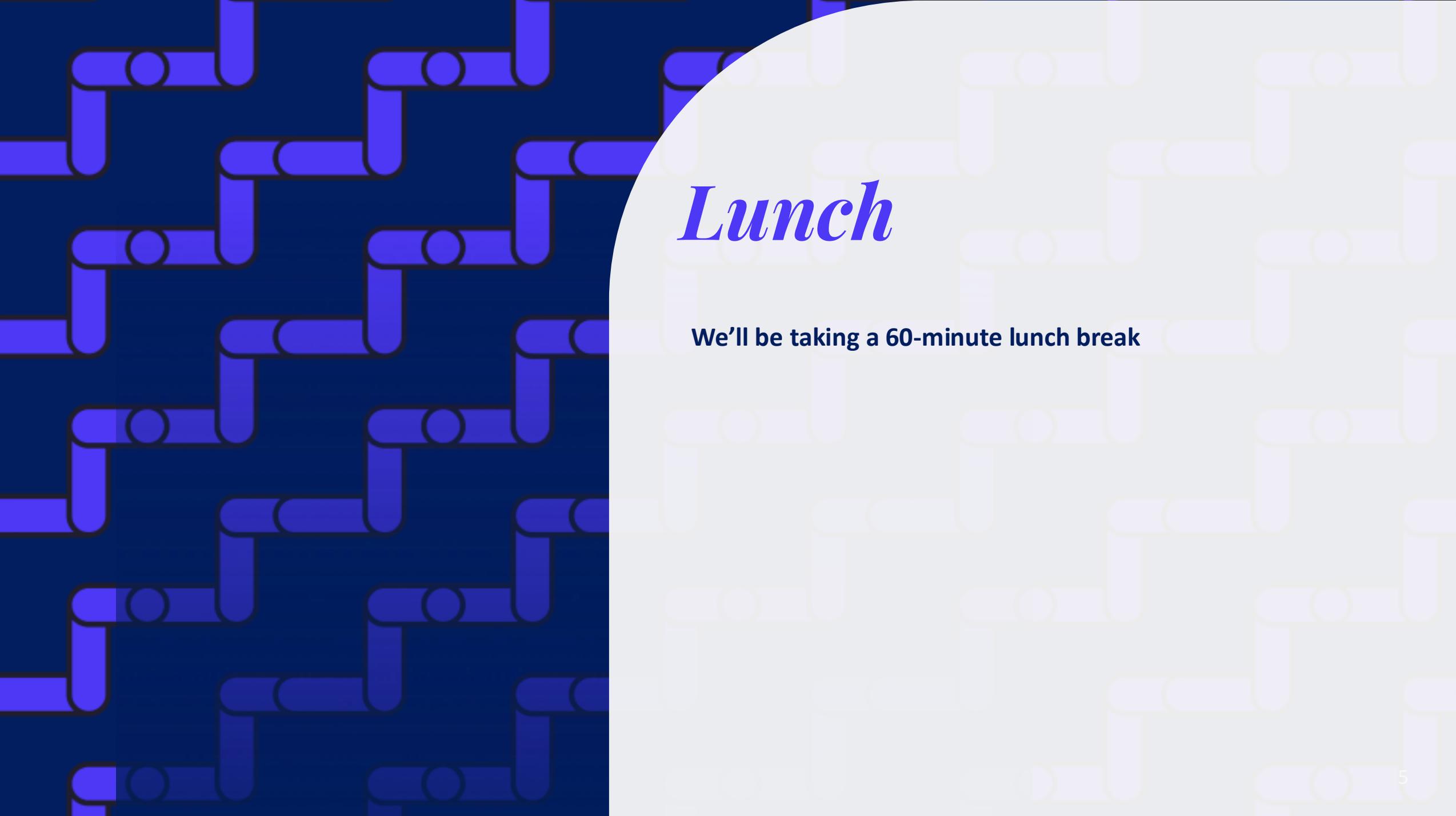


Q&A session

Scan QR to ask questions on Slido (code: [#3574800](#))

Or raise your hand





Lunch

We'll be taking a 60-minute lunch break



REC Code Drafting Updates

Andrew Wallace | Operations Consultant

Code drafting approach

1 Roles and responsibilities

- MHHS Programme leading the Code Drafting Workstream.
- RECCo translated MHHS Design into REC Code Drafting , working closely with Programmes and other Code Bodies (e.g., to validate process and governance hand-offs between Codes and ensure clarity in Code ownership).
- The REC Code Manager translated the MHHS Design interface requirements (messages, data items, standards) into the Energy Market Data Specification (EMDS) for REC, BSC, and DCUSA.
- Consequential changes to the REC (required for MHHS but not specified in MHHS Design) developed via the REC Code Manager led the MHHS Stakeholder Advisory Group ([REC MSAG](#)) or separate REC Change Proposals.

2 Engagement

- Code drafting is split into 5 tranches, each requiring industry consultation, review with the Code Drafting Working Group (CDWG), and approval by the Cross-Code Advisory Group (CCAG).
- REC Parties consulted on consequential changes (REC MSAG) and proposals included in MHHS Programme consultations or standalone REC CPs.
- On 21 August 2024, CCAG approved the proposed changes to the REC (alongside the changes to the BSC and DCUSA) and that Programme Milestone M6 had been met.

Code drafting approach

3 REC CP R0209

- Ofgem used its SCR powers to raise [R0209 - Implementation of MHHS Arrangements](#) in September 2024 to bring the agreed M6 legal text into the REC.
- On 26 November 2024, Ofgem approved R0209 for implementation at MHHS Programme Milestone M8.
- On 27 November 2024, CCAG approved that MHHS Programme Milestone M7 had been met.

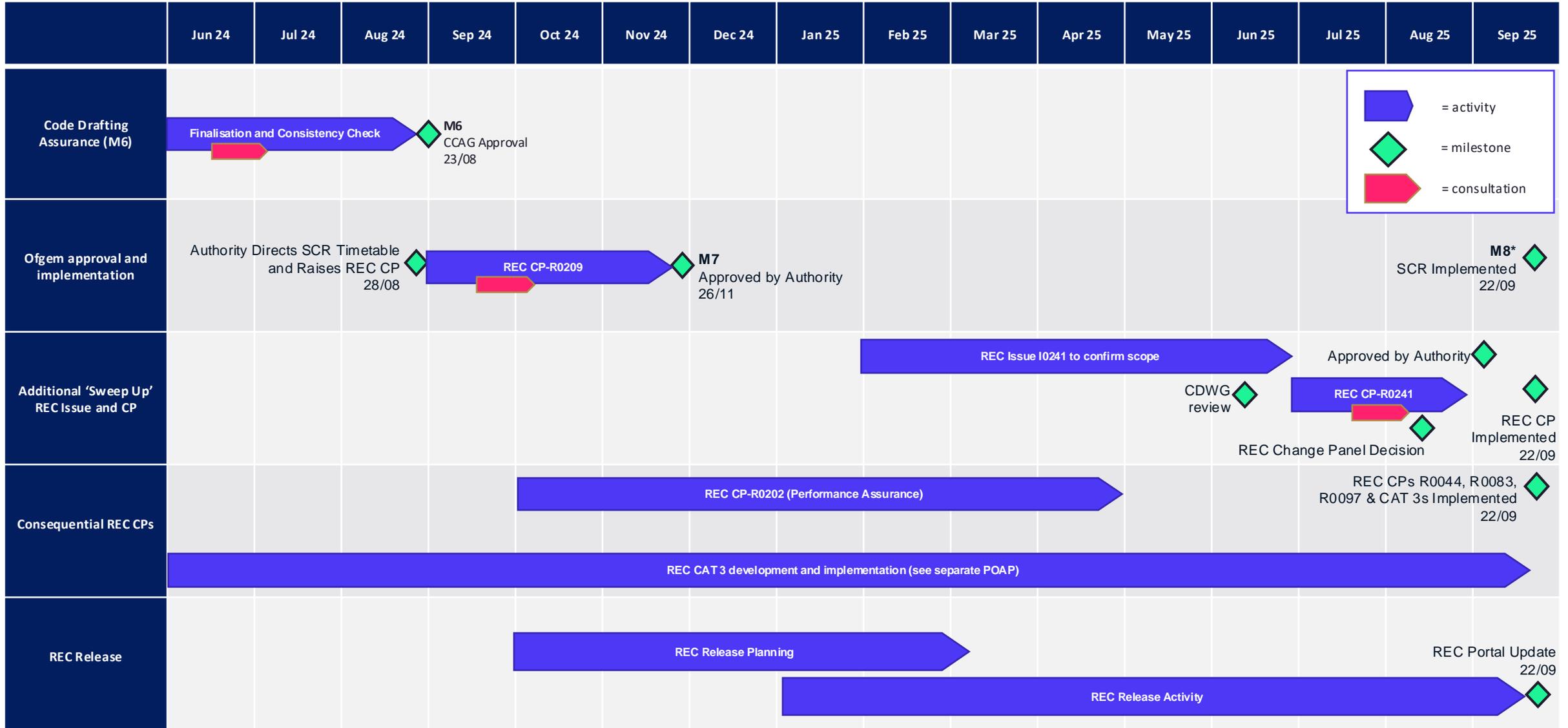
4 REC Issue I0241

- REC Code Manager raised [I0241 - MHHS Incremental Changes for go live](#) in Jan 2025 to develop any additional changes into REC required for MHHS Go-Live (Sept 2025).
- Includes changes to reflect recent MHHS design changes and corrections to R0209.
- Scope of the REC (and other Code) changes published on [Pre-M8 Change page of the MHHS Collaboration Base](#).
- Once I0241 Definition phase concludes, Ofgem to direct associated REC Change Proposal as part of MHHS SCR.

5 Implementation

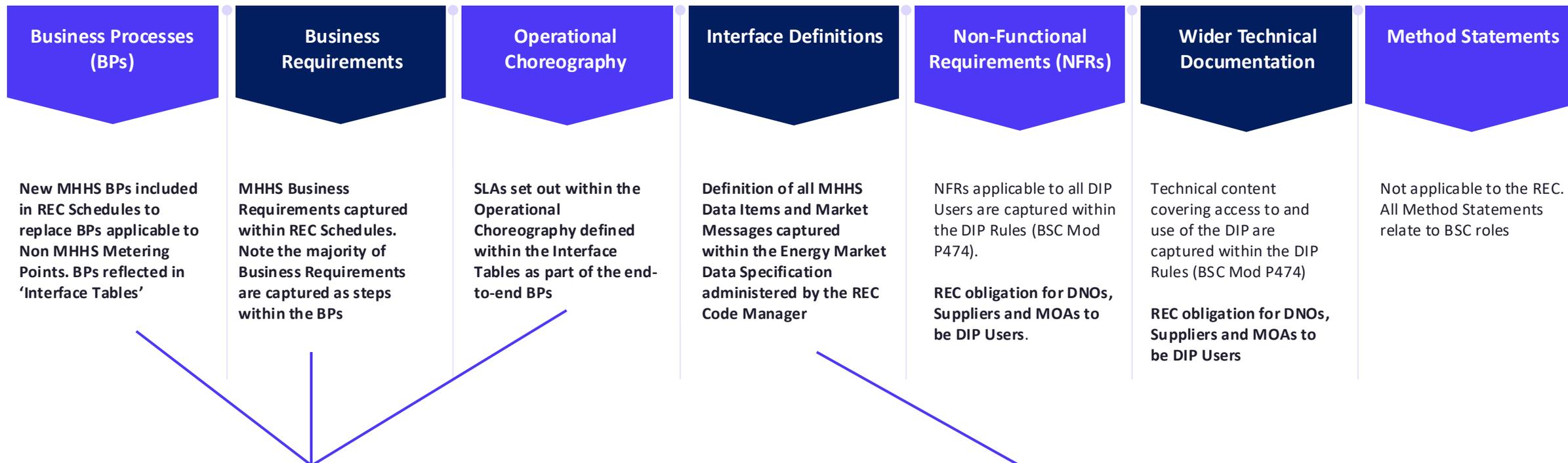
- REC-related MHHS changes will be implemented at Programme Milestone M8, which is scheduled for September 2025 (MHHS Go-Live).
- At this point, the changes to the REC will go live.
- We are working with the Programme to confirm the exact implementation date and choreography.

MHHS REC implementation Plan



*M8 currently 24 Sept 2025 in MHHS Programme plan but expected to move to 22 September 2025

MHHS design traceability



New MHHS BPs included in REC Schedules to replace BPs applicable to Non MHHS Metering Points. BPs reflected in 'Interface Tables'

MHHS Business Requirements captured within REC Schedules. Note the majority of Business Requirements are captured as steps within the BPs

SLAs set out within the Operational Choreography defined within the Interface Tables as part of the end-to-end BPs

Definition of all MHHS Data Items and Market Messages captured within the Energy Market Data Specification administered by the REC Code Manager

**NFRs applicable to all DIP Users are captured within the DIP Rules (BSC Mod P474).

REC obligation for DNOs, Suppliers and MOAs to be DIP Users.**

**Technical content covering access to and use of the DIP are captured within the DIP Rules (BSC Mod P474)

REC obligation for DNOs, Suppliers and MOAs to be DIP Users**

Not applicable to the REC. All Method Statements relate to BSC roles

Ref	When	Action	From	To	Information Required	Method
22.6.1	Within 60 minutes of receipt of a Notification to New Supplier of Site Information by the Gaining Supplier (MHHS IF 002) indicating that an Initial Registration Request is Pending.	Send MOA Appointment request. The Gaining Supplier shall ensure the chosen MOA is acceptable based on the Premises, Market Segment and meter type.	Gaining Supplier	SMRS	MHHS IF-031 Supplier Agent Appointment Request	DIP Interface
22.6.2	Following receipt of the notification referenced in 22.6.1 and in accordance with BSCP706.	Validate MOA Appointment request. If Appointment is accepted, proceed to 22.6.5, otherwise proceed to 22.6.3.	SMRS		Internal Process	N/A
22.6.3	Following 22.6.2 where the Appointment is not accepted.	Send notification that the proposed MOA Appointment has been rejected by the SMRS.	SMRS	Gaining Supplier	MHHS IF-032 SMRS Supplier Agent Appointment Request Response - rejection	DIP Interface

Flow Structure

SV20723 - ChangeOfSupplier - Message Structure

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule	Data Item Alternate Name
S0	Transactional Info	1-1	G									Interface ID		
					1							Schema Version		
					1							Event Code		
S1	Sender Info	1-1	G									Environment Tag		
					1							SubText		
					0							Sender Unique Reference		
					1							Sender Timestamp		
					1							(Participant), Sender DIP ID		
					1							Sender Role ID		
					0							Sender Correlation ID		

Scope of REC changes

Identified 20 REC documents that require change as part of the MHHS SCR (directly from MHHS Design or Consequential Change)

Re-drafted Metering Operations Schedule splitting gas and electricity provisions and amending electricity provision to reflect new MHHS processes.	New REC Schedule to define the MHHS Migration process to move metering points into the new arrangements.	Inclusion of transitional arrangements that show how processes work under the legacy arrangements and once a metering point has MHHS Migrated.	Update to the EES API Technical Specification to show the changes to the data items that are available to users.
Changes to ERDS Service Definition to reflect the revised split between ERDS and SMRS.	Changes to EES Service Definition to reflect new requirements for receiving data via the DIP and publishing.	Inclusion of DIP Interface definition in the Energy Market Data Specification , with new MHHS Data Items.	Minor changes to other schedules to reflect new DIP interfaces and introduction of market segments etc.

Identified additional updates that require consequential change and progressed outside of MHHS SCR*

R0044 and R0097 have been approved to deliver, at M8, the governance and process for sharing Smart Meter Data Retriever appointment information via the CSS to the Smart Meter Data Service Provider.	R0032 and R0066 introduced amended and new MHHS data items into the industry as an enabler in advance of the wider MHHS implementation.	R0083 will implement, at M8, an amended Supply Number format as a consequential change of the removal of some data items from the industry under the MHHS arrangements.	R0202 has been raised to progress changes to the Performance Assurance Reporting Catalogue to support monitoring of Retail Risks under the transition period and enduring arrangements for MHHS.
---	---	---	--

REC MHHS SCR changes: T-shirt sizing

Schedule 1 Interpretations and Definitions	Schedule 9 Qualification and Maintenance	Data Spec Data Item Catalogue	Schedule 23 Registration Services	REC Main Body	Schedule 10 Charging Methodology	Service Spec SDES Service Definition
Schedule 14 Metering Operations	Schedule 28 Related Metering Points	Data Spec Standards Definition	Schedule 24 Switching Data Management	Schedule 5 Change Management	Schedule 11 Prepayment Arrangements	Data Spec Address Population Rules
Schedule (new) MHHS Migration	Schedule 29 Address Management	Schedule 12 Data Access	Schedule 27 RMP Lifecycle	Schedule 6 Performance Assurance	Schedule 13 Transfer of Consumer Data	 Large
Data Spec Market Message Catalogue	Schedule 30 Resolution of CFSB issues	Schedule 15 Metering Accreditation	Service Spec ERDS Service Definition	Schedule 7 Energy Theft Reduction	Schedule 17 Secure Data Exchange	 Medium
Data Spec EES API Tech Spec	Service Spec EES Service Definition	Schedule 19 Market Exit and SoLR	Metering COP Consolidated Metering COP	Schedule 8 Unbilled Energy Code of Practice	Schedule 25 Central Switching Service	 Small
						 Consulted on and no changes identified

REC Category 3 product updates

- Category 3s are non-mandatory guidance or subsidiary operational documents.
- Changes required to 18 documents.
- Have/are being developed by their product owners, outside of the MHHS SCR process.
- Plan for each Category 3 document has been developed, including whether consultation is required and tracked at CCAG.
- Latest approved MHHS Category 3 updates can be found on the REC Portal [here](#)

Key changes

- Changes to Performance Assurance and Qualification documentation.
- Changes to the EES Data Access Matrix (DAM) to add new MHHS Data Items and EES Users.
- Updates to EES User Guides to reflect changes to the EES Portal/GUI.
- (New) Guidance for MOAs on population of the IF005 DIP Message
- (New) Process for updating SSC and TPR data in the Meter Configuration Tables
- Guidance on Electricity Metering Points for MHHS (additional version for MHHS)

MHHS related REC Category 3 POAP v1.6 (13/02/2025)

CAT 3 MHHS updates	Jul 24	Aug	Sep	Oct	Nov	Dec	Jan 25	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept				
Performance Assurance Operating Plan*	Consult		PAB Approval										Development		Consult		PAB Approval		
			Implemented (01/09)														Implemented (02/09)		
REC Entry Assessm't Forms*	Development			CM Approval		Implemented (11/10)							Review and update if required					CM Approval	
REC Entry Assessm't Pack*	Development			PAB Approval		v5 Implemented (11/10)							Review and update if required					PAB Approval	
REC Service User Categorisation	Approved (PAB) and implemented 09/04																		
REC & BSC Joint Storyboards	Development				PAB Approval												Implemented M8		
CSS External Test'g Scenarios	Development				REC CM Approval												Implemented M8		
EES User Guides **	Development							EES Service Provider Approval							Implemented M8				
Meter Update (IF005) User Guide	New					Development				Consult		MEP Approval		Implemented M8					
Meter Config Table Update Process	New	Development			Consult		MEP Approval							Implemented M8					
	Completed																		
Guidance on Elec Metering Points	Consult		MEP Approval												Implemented M8				
	Completed																		
Electricity DAM & EES Users (App 1)	Development					Consult		PAB Approval		PAB Approval confirmed post consultation (no change)					Implemented M8				
Technical Expert Panel ToR	Completed		Development		Change Panel Approval		Implemented (11/10)												

Notes
 1) Once approved, all CAT 3 documents updated for MHHS will be published on a dedicated REC Portal MHHS Hub [here](#)
 2) Product owner determines if consultation required and separate party engagement/training plan being developed.
 3) * Initial update completed for MHHS. Further update as necessary as part of annual review cycle.

4) ** Separate EES User Guides for Distributors, Suppliers, MEM & Supplier Agents, 3rd Parties, Non-Domestic Customers & TPIs.
 5) Considering creating new CAT 3 covering population of SSC information (dates tbc).

Further information

- [REC CP-R0209 Implementation of MHHS Arrangements](#)
- [REC Issue I0241 - MHHS Incremental Change for go live](#)
- [Pre-M8 Change Log \(REC and other Codes\) on MHHS Collaboration Base](#)
- [REC Release for MHHS Milestone 8](#)
- [MHHS Category 3 Document Updates](#)

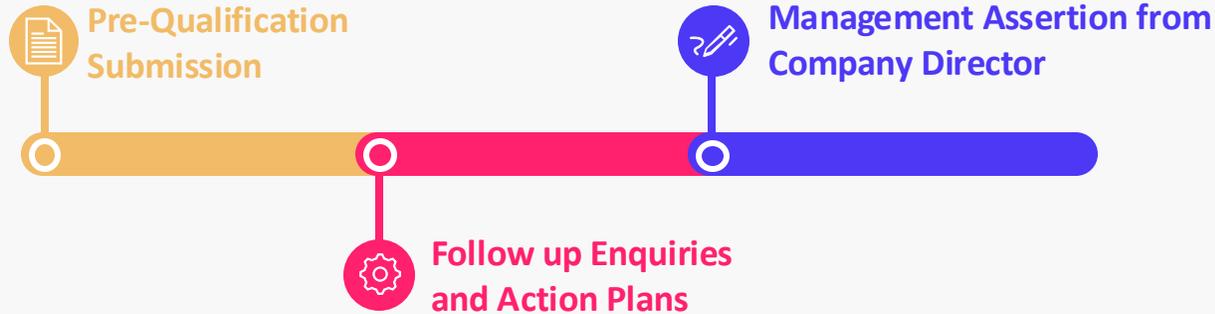


Performance assurance and qualification

Daniel Rodgers | REC Performance Assurance

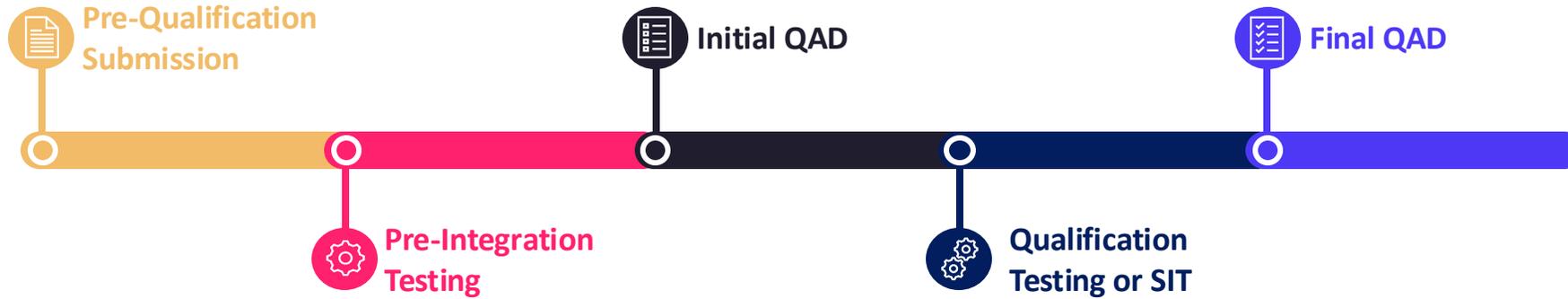
What are my Assurance Requirements for MHHS?

Assurance of changes made by Suppliers and Agents to support MHHS transition



As part of the M10/M11 Cutover Plan, the Code Manager is required to report Party Readiness to support MHHS transition to the Programme.

MHHS Qualification to check the readiness of Party to operate in the new arrangements



Enduring Performance Assurance

New items based on reports from DIP will be added to our risk monitoring and performance reporting. Performance Assurance Techniques (PATs) will be applied in line with the existing Performance Assurance Methodology.

What will legacy assurance focus on?

This applies to Supplier and Meter Operator Agents who are currently live in the market. These parties must make the following changes in line with the MHHS Programme plan to support transition to the new arrangements.

- Supporting **Forward and Reverse migration processes**
- Changes to REC-owned **DTN Market Messages**
 - Data item amendments, additions, two new flow versions
 - New Scenario Variants to reflect new Market Segments
 - Test flows already available via ElectraLink
- **R0083 - Changes to Supply Number Format for MHHS**
 - The new format:
 - Retains the Profile Class Id
 - Replaces Meter Time switch Code (MTC) with Standard Settlement Configuration (SSC) Id
 - Replaces Line Loss Factor Configuration (LLFC) Id with DUoS Tariff Id
 - Implementation at MHHS go-live (M8), for all MPANs, including use of new format in all bills or annual statements
 - Approved legal text
- **Electricity Enquiry Service** GUI and API changes. Please ensure you have reviewed the updated API output and implemented changes, where required, to your reporting systems.



READINESS CHECKLIST

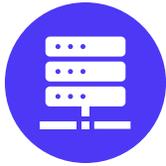
A readiness checklist has been provided as part of the participant material for today. This is for guidance only.

Purpose of MHHS Qualification

PURPOSE



The purpose of MHHS Qualification is to confirm that Parties are **ready to operate** with the required industry processes for the **new MHHS arrangements under the REC**, and to **mitigate Retail Risks** brought about by the MHHS transition.



Existing **DNOs** are expected to be **Qualified before migration commences.**



By M10



System Integration Testing (**SIT**) volunteers are expected to be **Qualified before or around migration commencement.**



At and after M11

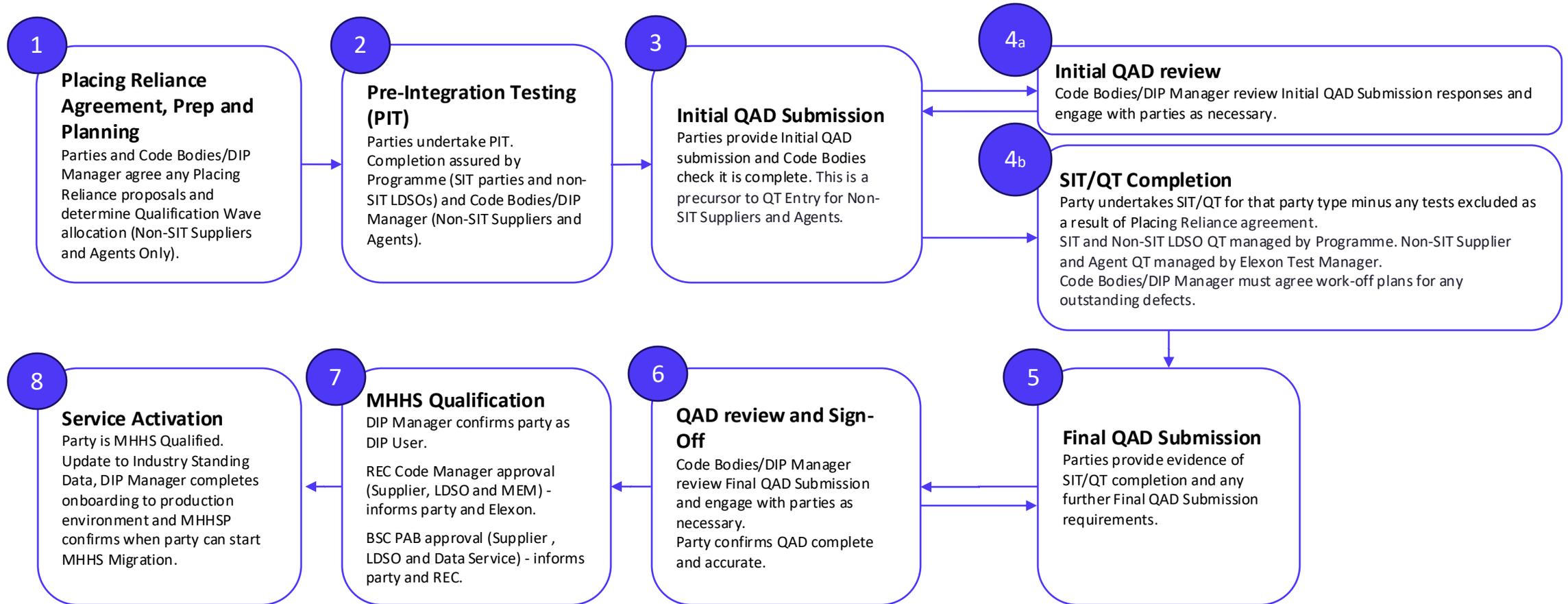


Most **Suppliers** and **MOAs** are allocated to Qualification Waves to be **Qualified after migration commences.**



After M11, by M14

What are the MHHS Qualification steps?



- For more details, please refer to the [Qualification Approach and Plan on the MHHS Collaboration Base](#)

High-level timescales for MHHS Qualification

Document Name	SIT MVC	SIT Non-MVC	Non-SIT LDSO	Wave 1	Wave 2	Wave 3	Wave 4
Initial QAD	06/01/2025 to 14/02/2025	06/01/2025 to 14/02/2025	06/01/2025 to 14/02/2025	05/05/2025 to 11/07/2025	09/06/2025 to 12/09/2025	11/08/2025 to 07/11/2025	20/10/2025 to 16/01/2026
Code Bodies Review	Within 6 weeks of submission or 04/04/2025	Within 6 weeks of submission or 04/04/2025	Within 6 weeks of submission or 04/04/2025	Within 6 weeks of submission or 22/08/2025	Within 6 weeks of submission or 17/10/2025	Within 6 weeks of submission or 19/12/2025	Within 6 weeks of submission or 27/02/2026
Final QAD	07/04/2025 to 09/05/2025	19/05/2025 to 19/09/2025	07/04/2025 to 23/05/2025	25/08/2025 to 16/01/2026	20/10/2025 to 06/03/2026	12/01/2026 to 22/05/2026	09/03/2026 to 24/07/2026
Code Bodies Review	06/06/2025	Within 6 weeks of submission or 24/10/2025	20/06/2025	Within 4 weeks of submission or 06/03/2026	Within 4 weeks of submission or 13/04/2026	Within 4 weeks of submission or 19/06/2026	Within 4 weeks of submission or 21/08/2026
Final Approval	10/09/2025	Within 1 month of QAD sign-off or 18/12/2025	10/09/2025	Within 1 month of QAD sign-off or 15/04/2026	Within 1 month of QAD sign-off or 28/05/2026	Within 1 month of QAD sign-off or 30/07/2026	Within 1 month of QAD sign-off or 24/09/2026

What does a new entrant need to do?

Requirement	Market Entry Date			
	Before M11/12	M11/12 to M14		After M14
		Supplier/MOA	DNO	
REC Business Solution Assessment	✓	✓	✓	✓
REC Market Scenario Testing (Legacy Arrangements)	✓	Choice	✓	
REC Market Scenario Testing (MHHS Arrangements)		✓ Significantly Reduced Scope	✓ Significantly Reduced Scope	✓
MHHS Programme Qualification	✓	✓	✓	
DIP Manager Testing				✓ Arrangements TBC

Further Information

- REC Knowledge Centre – [Market-wide Half Hourly Settlement Hub](#)
- [Qualification Approach and Plan](#) (plus Appendices)
- [Qualification Assessment Document](#) (plus [Webinars](#))
- [REC MHHS Assessment Criteria](#)
- [Requirement-to-Test-Traceability-Matrices \(RTTMs\)](#)
- [Code Artefacts](#)

Change management

Change freeze & governance transition

Harriet Truss | MHHS Governance & Communications Support

MHHS programme change freeze

Change Freeze

- Formalised by Programme Steering Group (PSG) on 6 December 2023
- To address instability during Programme delivery, implementation and go-live that creates risk for the Programme, Code Bodies and Programme participants
- To de-risk Qualification and Migration
- No further changes to MHHS Design or Code Drafting except to fix defects or to support the implementation of urgent change
- Technical changes that could create risk are within the scope of the freeze
 - REC Services that are considered MHHS Central Systems:
 - Central Switching Service
 - Electricity Retail Data Service
 - Electricity Enquiry Service
 - REC Services consequentially impacted:
 - Secure Data Exchange Service
- Code Manager continually reviewing appropriate timing for the progression of changes impacted by the Change Freeze

Change approach: 3 stages

Up to MHHS go-live (M8/M10 = September 2025)

- MHHS Programme is accountable for TOM, Design and ensuring that code drafting is complete and consistent with Design
- All proposed MHHS impacting changes to go through the DIN process or, where considered to be sufficiently material, a Programme Change Request PCR IA will support any required REC change
- DIP Rules formally added to scope of Cross Code Steering Group (CCSG) from Feb 2025; DIP Manager added to members

M8/M10 to end of transition (M15 = May 2027)

- Code Bodies own the legal text with MHHS changes progressed through BAU change management arrangements; MHHS Programme can raise REC CPs; Ofgem retains SCR powers to deliver change, if required
- Any Code changes impacting transition, e.g. delivery of MHHS Migration, will request an impact assessment completed by the MHHS Programme as part of the REC Change process
- CCSG role continues
- MHHS Programme change process remains for programme governed documentation and milestones, excludes changes to design artefacts (as these have been translated in the BSC, REC, DIP Rules and DCUSA)
- Early life support governance model still being defined with MHHS Programme/other Code Bodies

M15 onwards

- Code Bodies continue to own legal text
- Migration complete, Qualification fully BAU
- MHHS Programme expertise role handed over to Elexon

REC change management working practices

1

All REC changes continue to be considered in the context of the MHHS change freeze and potential detrimental impacts to MHHS implementation, qualification, and migration

2

All REC changes consider solutions, and business cases, for enduring MHHS arrangements and current arrangements

3

REC Code Manager feeding into CCAG Horizon Scanning to ensure wide visibility of changes with potential impacts or of interest to MHHS Programme participants

4

REC Code Manager regularly engages MHHS Programme, and the DIP Manager, during the change process – particularly during solution development and impact assessments

5

Engaging with DIP Manager to develop and define change and release process interactions to become enduring BAU process

Governance transition

- At M8 the MHHS Design will be given effect via implementation into the live REC and other industry codes.
- The MHHS Programme then moves into transition: MHHS Qualification will continue and MHHS Migration will take place

Changes/Issues for MHHS

- Changes and issues may continue to be identified up to go-live and during early days of implementation
- How these will be handed over to the Code Bodies to progress under 'BAU' governance following go-live is currently being developed under the Programme
- REC Parties' standard regulatory change teams will see these issues and changes being progressed

BAU Change

- Changes to REC during the transition could impact Parties' Qualification Testing and/or MHHS Migration processes
- Programme remains responsible for successful MHHS Implementation and Migration Control
- RECCo and the Code Manager working closely with the Programme on ensuring Qualification and Migration are appropriately considered under REC change governance
- The Programme working on the future Programme operating model to ensure process is appropriately supported



REC operational readiness

MHHS go live

Andrew Wallace | Operations Consultant

Beth Brown | REC Technical Services

April Harbour | REC Technical Services

REC data specification updates

Comms Hub Information (Optional) – MM20036

Legacy Reference/s IF-004	Message Version 0011	DIP Delivery Pattern Pattern A (JSON via DIP)
Security Pattern Cat 2		

Description

This interface is optional. It is provided for use by the Smart Metering Services & Suppliers that bilaterally agree to share Comms Hub information between themselves.

Notes

Optional interface to allow the exchange of Comms Hub information between suppliers and Metering Services, where this is bilaterally agreed.

Scenario Variant

Variant Id	Name	Source	Owner
<input type="checkbox"/> SV20720	CommsHubInfo	Smart Metering Service / Supplier	RECCO

Structure - SV20720

Always	Primary	Secondary SUPC, XMSC	Correlation ID Created NO
---------------	----------------	--------------------------------	-------------------------------------

Group ID	Group Description	Range	Condition	L1	L2	L3	L4	L5	L6	L7	L8	Data Item Name	Data Item Rule
S0	Transactional Info	1 - 1	G		1							Interface ID	
					1							Schema Version	
					1							Event Code	
012	Metering Points for Investigation	1 - *	G		1							Environment Tag	
					0							SubText	
					1							Sender Unique Reference	
					1							Sender Timestamp	
					1							(Participant) Sender DIP ID	
					1							Sender Role ID	
					0							Sender Correlation	

Key changes to the Market Messages page

- New information included within Market Messages **specifically** for DIP (IF) messages
 - DIP Delivery Pattern
 - Security Pattern

- New Structure to the Scenario Variant table
 - Name of the 'event' and Source table holds multiple party roles (where applicable)
 - There is no Target field included as this is included within the routing rules table

- Flow structure table
 - Includes the appropriate DIP routing rules and party roles associated to those and Correlation ID status
 - No changes to the flow structure table

- **These changes relate to DIP messages only**
- **No changes are being made to existing Market Messages**

REC data specification updates

DI20086 – Comms Hub Activity

Legacy Reference/s

DI-195

Data Type

String

Owner

Balancing and Settlement Code Company

Description

Activity being carried out on Comms Hub

Logical Length	Logical Decimal Length	Physical Length	Data Type Format Rule	Notes
1		1	A general character string	

MHHS Information

MHHS Data Classification	MHHS Nullable	MHHS DataType	YAML Name
Public	Mandatory no nulls	NULL	commsHubActivity

Data Enumeration Values

Enumeration Value	Enumeration Description
1	Installation
2	Removal
3	Exchange
4	Found
5	For Information

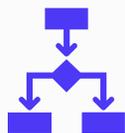
Found in Market Messages

Market Message Id	Local Catalogue Reference	Message Name
MM20036	IF-004	Comms Hub Information (Optional)

Key changes to the Data Item page

- New MHHS Information table to include fields for:
 - MHHS Data Classification
 - MHHS Nullable
 - MHHS Data Type
 - YAML Name
- These changes relate to new MHHS DI's or where MHHS DI's have been linked to existing JXXXX items. There will be no changes to the non-MHHS Data Item pages.

Other REC Portal updates



[MHHS Hub](#) is a landing page for MHHS content on the REC Portal.

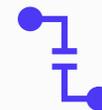
Includes Wiki articles (MHHS Qualification, MHHS Code Drafting, MHHS Cat 3 updates, MHHS Release for M8 etc).



Updates will be made to 19 further Wiki articles.

Update terminology, new ways of working and other changes to ensure accuracy.

Publication dates tbc.



ERIN uses the live version of the REC and will reflect the MHHS updates from M8 in Sept 2025.

What can I use Erin for?

<div style="text-align: center; margin-bottom: 5px;"></div> <p>Regulatory Compliance</p> <p>Ask ERIN about specific compliance requirements under the REC for different market participants.</p>	<div style="text-align: center; margin-bottom: 5px;"></div> <p>Document Navigation</p> <p>Use ERIN to quickly find sections or clauses within REC documents, such as schedules and guidelines.</p>
<div style="text-align: center; margin-bottom: 5px;"></div> <p>Updates and Changes</p> <p>Inquire about recent REC updates and changes, including new schedules and regulatory amendments.</p>	<div style="text-align: center; margin-bottom: 5px;"></div> <p>Operational Support</p> <p>Get support for procedures like customer switching and performance assurance to ensure regulatory compliance.</p>



Existing REC Portal Forms will be updated to reflect MHHS:

REC Change/Issue Submission

Application

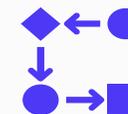
Service Desk Enquiry

Data Integration Platform (DIP) interactions



DIP Change and Advisory Board (DCAB)

- RECCo representation at DCAB.
- Ensures that interactions with REC are considered e.g. business processes that rely on the DIP, service management, change and release management and performance assurance.
- RECCo also a DIP User via its EES Service Provider role.



Change and Release Management and Performance Assurance

- REC Code Manager and DIP Manager are developing operational-level working arrangements to ensure that Code requirements can be delivered efficiently for industry parties.

REC readiness checklist (guidance only)

CHANGES REQUIRED FOR M10 (MHHS GO-LIVE) <i>All Market Participants, regardless of when they qualify for MHHS, must ensure they are ready for these changes at MHHS Go-Live (M10)</i>							
CATEGORY/REQUIREMENT	MARKET PARTICIPANT						NOTES
	All Market Participants	Electricity Suppliers	Electricity MEM/MQA	DNO	DCC (CRS Provider)	Meter Asset Provider (MAP)	
Changes to Supply Number content (R0063)		X					
Change to the ERDS to CSS agent appointment update to recognise Smart MDRs (R0044 and R0097)				X	X		
Change to data populated by DNOs as part of a New Connection, noting that all New Connections will be established as MHHS Metering Points, with associated MHHS data attributes from M10.		X		X			
Change to the approach to maintaining SSC and TPR valid set. This will no longer be specific to individual DNO networks for	X						
Transfer of responsibility for maintaining SSC and TPR domain data from BSC to REC. New process for requesting changes to the 'Meter Configuration Table' established under the REC. The existing valid set will be frozen until all Metering Points are	X						
Introduction of new Market Roles for Smart Data Service, Smart Meter Data Retriever, Advanced Data Service, Unmetered Supplies Data Service, Smart MOA and Advanced MOA.						X	
Changes to D0303 Market Message			X				
Changes to D0311 Market Message		X					
Changes to Data Items: - J0007 'Requested Action Code' - J2255 'MPAS D0304 Response Code' - J2256 'MOP Flow Response Code' - J0171 'Reading Type'	X						
Additional scenario variants to reflect the new Market Roles. Market Participants required to establish DTN routing to enable exchange of data with new Market Roles.	X						
Changes to Data Items available via the Electricity Enquiry Service (EES). Includes changes to the EES API technical specification impacting all API users.	X						
Update to Agent Appointment and Switch processes to recognise MHHS Migration e.g. Forward Migration as the Losing Supplier / Agent and Reverse Migration as the Gaining Supplier / Suppliers to ensure Appointed MOAs re-programme NHH	X						
Advanced Meter clocks to record time in UTC on or before the MHHS Migration EFD, 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		X	X			X	

This checklist is for guidance only. Market Participants are responsible for ensuring their own readiness through review of the approved MHHS design artefacts, and any subsequent changes agreed through MHHS Change Control.

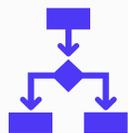
CHANGES APPLICABLE TO MHHS QUALIFIED PARTIES ONLY <i>Market Participants must ensure they are ready for these changes from when they start to migrate/accept NHH-MHHS Metering Points</i>					
CATEGORY/REQUIREMENT	MARKET PARTICIPANT				NOTES
	All Market Participants	Electricity Suppliers	Electricity MEM/MQA	DNO	
Systems updated to record Market Segment against MHHS Metering Points, rather than Measurement Class.	X				
Systems updated to store and utilize Cumulative Meter Readings for Smart Metering Assets and Advanced Metering Assets for settlement purposes. Note that for Advanced and Traditional Metering Assets, Meter Register Readings will also be shared via existing DTN messages (D0010). Suppliers	X				
Systems updated to send and receive registration data updates via the Data Integration Platform (DIP). This includes receipt of updates to Metering Point Location Address, Domestic Premises Indicator, Energy Direction Indicator, Metered / Unmetered Indicator, DCC Enrolment, IHD Information.		X		X	
Systems updated to recognise that date elements are to be shared in datetime format when sent via the Data Integration Platform.	X				
Systems and processes updated to recognize the link between Related Metering Points including automatic agent appointment / de-appointment for	X				
Systems and processes updated to recognize the link between Associated Import/Export Metering Points including automatic agent appointment / de-appointment for Export Metering Points.	X				
Systems and processes updated to obtain and store Meter Technical Details (MTDs) from the SMRS. Note that for Advanced and Traditional Metering Assets, supplementary MTDs will also be shared via existing DTN messages.	X				
Systems updated to trigger message replay requests via the DIP to support	X				
Controls in place to meet new SLAs including 60 minute SLAs for processing certain DIP messages, 120 minute SLA for Losing MOA sending MTDs and 3WD SLA for issuing meter updates following meter works.	X				
Controls in place to manage new DIP messages, including mechanism for dealing with message validation exceptions.	X				
Controls in place to manage missing agent appointment notifications and invalid Market Segment notifications (IF-045).		X		X	
Controls in place to manage MTD exceptions identified through reconciliation of data received from SMRS and the relevant MOA.	X				
Business process and system updates (with associated DIP messages) to recognize the revised approach to managing Supplier Agent appointments, recognizing the roles of the SMRS in validating appointment requests and acceptances and the effective from datetime aligning to midnight local time.	X				
Business process and system updates (with associated DIP messages) to recognize the revised approach to managing meter works, including the change of migration process, recognizing the roles of the SMRS in	X				
Business process updates (with associated DIP messages) to recognize the revised approach to managing Related Metering Point associations, recognizing the roles of the SMRS in validating Related Metering Point	X				
Business process updates to recognize the revised approach to managing Switch Meter Read exceptions.		X			
Development of new business process for managing change of Market Segments as a result of a change in Connection Type and / meter exchange.	X				
Development of new business process for managing MHHS Migration via the Switch or Change of Agent processes.	X				

This checklist is for guidance only. Market Participants are responsible for ensuring their own readiness through review of the approved MHHS design artefacts, and any subsequent changes agreed through MHHS Change Control.

PROCESSES NOT CHANGING AS A RESULT OF MHHS <i>These processes will remain unchanged when MHHS is implemented</i>					
CATEGORY/REQUIREMENT	MARKET PARTICIPANT				NOTES
	All Market Participants	Electricity Suppliers	Electricity MEM/MQA	DNO	
Process for requesting meter works, including meter installation, removal and exchange, change of energisation and fault resolution. Supplier requests to the MOA/DNO still utilising the existing DTN messages, although new mechanisms will be in place for receiving the post meter work updates.	X				
Process for sharing Site Technical Details between DNOs, Suppliers and	X				
Process for Commissioning Advanced Metering Assets and sharing data between DNOs and MOAs	X				
Process for managing supplier exceptions as set out in REC Schedule 30 'Resolution of Consumer Facing Switching and Billing Issues' except the changes to the Switch Meter Read exceptions process and applicability of Erroneous Switch processes to all electricity Metering Points.	X				

This checklist is for guidance only. Market Participants are responsible for ensuring their own readiness through review of the approved MHHS design artefacts, and any subsequent changes agreed through MHHS Change Control.

Further support for REC Parties



- Today's session is being recorded and will be made available on the REC Portal.
- **Pre-release webinar to be held Q3 2025.**



- EES API Sandbox is available for Parties.
- Contact helpdesk@groups.candc-uk.com for further details.
- **Webinar on EES (Portal and API) in Q2 2025.**



- Operational Account Managers (OAMs) are being upskilled and can continue to support you.



- Please contact the REC Service Desk for any REC-related queries.
- We're working with Elexon and the MHHS Programme to provide guidance on who to contact for each query type.

Q&A session

Scan QR to ask questions on Slido (code: [#3574800](#))

Or raise your hand



Closing remarks

Jon Hawkins | Director of Operations Programmes

Feedback request

Please scan the QR to submit your feedback via Slido (code: [#3574800](#)) and let us know what additional support you need to ensure a seamless transition to MHHS.

We're here to help.



Stalls

REC impacts

Performance assurance & qualification

Code drafting

Operational readiness



For any questions or feedback,
please contact:

info@retailenergycode.co.uk

www.retailenergycode.co.uk

© 2025 Recco

All rights reserved.

Retail Energy Code Company Ltd
(registration number 10989875)

