



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

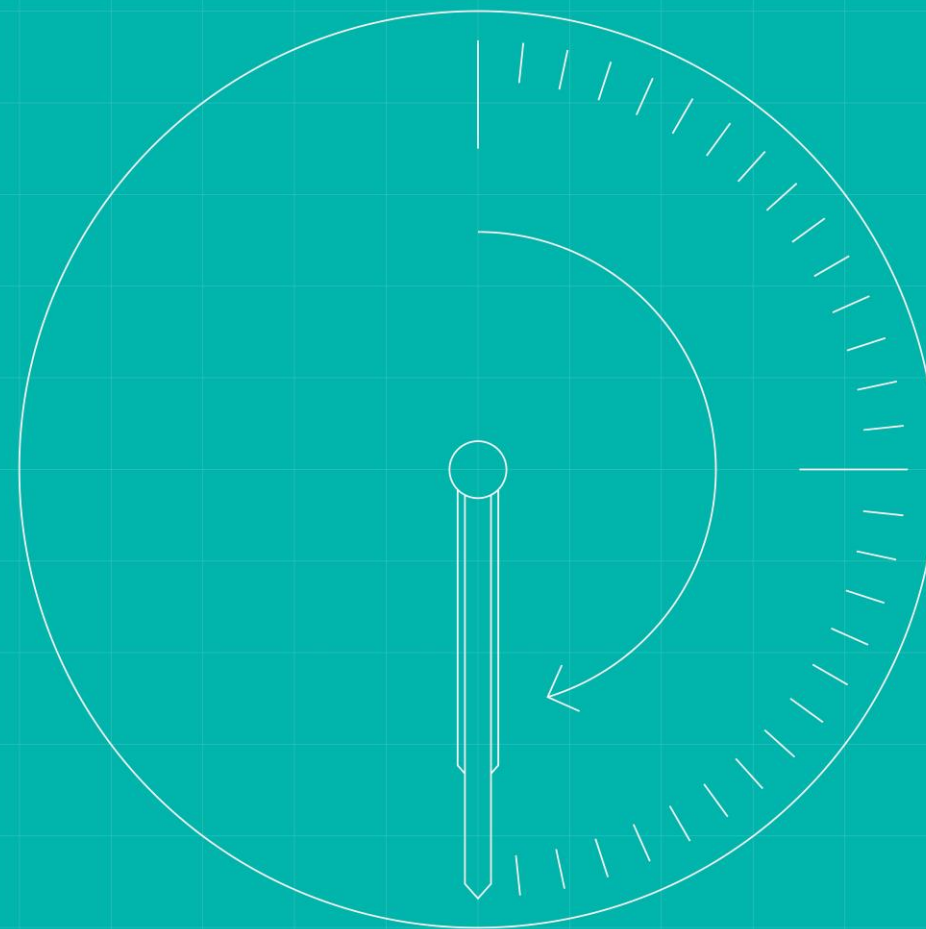
Code Drafting Consultation Advisory Notes - Registration

Version 1.0

MHHS DEL1218

Document Classification: Public

Consultation Advisory Notes



The Code Workstream has produced several Code Artefacts for industry review and comment.

This consultation process seeks to confirm that the Design Artefacts have been correctly translated into the Code Artefacts.

Review feedback should consider whether the code drafting reflects the MHHS Design

- If you feel it does not, please submit your feedback by downloading the **Code Artefacts Consultation Comments** from the Tranche 2 Code collaboration base page.
- If you feel the Code could better reflect the MHHS Design, please respond with improved wording
- If you spot a minor change or typo, please respond
- Code@mhhsprogramme.co.uk

The topic areas in scope for this industry consultation are:

- Balancing & Settlement Code (BSC) Registration
- Retail Energy Code (REC) Registration

A high-level traceability matrix is published on the Collaboration Base Quick Links menu. Low-level traceability have been attached as documents alongside the Code Artefacts.

All documents are either new clean versioned artefacts or redlined versions.

The Design solution is baselined through the Design Workstream and does not form part of the Code Drafting Consultation. Any comments relating to the MHHS Design must be directed to design@mhhsprogramme.co.uk

To submit your feedback, please download the Code Artefacts Consultation Comments from the Tranche 2 page Code consultation page. Save the spreadsheet with a file name that includes the short name of your organisation. Once completed, please email the spreadsheet to code@mhhsprogramme.co.uk.

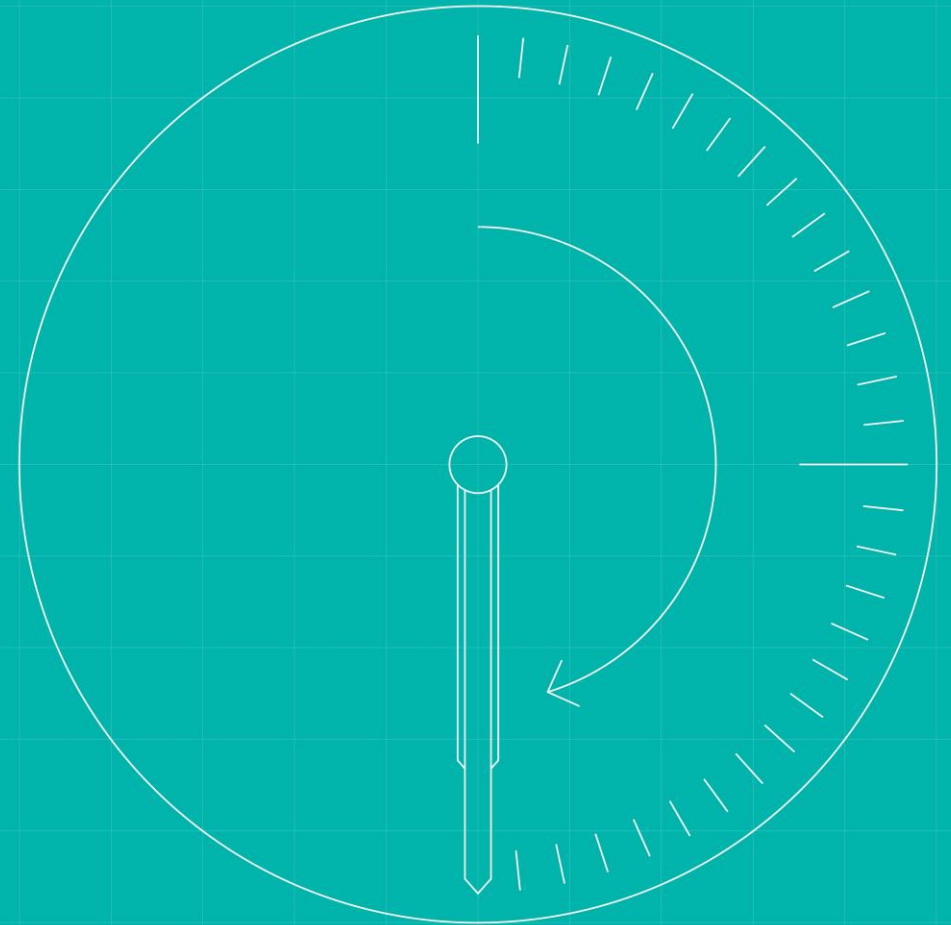
Consultation questions:

Column Header	Guidance Note	Field Type	Field Requirement
Code Artefact Name	Choose the Code Artefact that you're reviewing from the drop-down list	Drop-down menu	Mandatory
Document Section	Include the section for which your comment is related to e.g. paragraph 4.1	Free text	Mandatory
Comments	Provide the comment you have in relation to the document you are reviewing e.g. CSS (or CCS in document) is referred to as Actor but no interaction with CSS in business process	Free text	Mandatory
Related Design Artefact	If your comment relates to a Design Artefact, please ensure you include the name of the Artefact e.g. MHHSP-BPD002	Free text	Optional
Related Design Artefact Section/Step	If your comment relates to a Design Artefact, please ensure you include the relevant section or step in the Artefact	Free text	Optional
Suggested Change	For example, propose new wording	Free text	Mandatory
Comment Owner	Provide your name as the comment owner	Free text	Mandatory
Organisation	Provide the name of your organisation	Free text	Mandatory
Constituency	Provide the name of your constituency	Drop-down menu	Mandatory

Code Artefacts Consultation Review Process

Review Stage	What happens in the review stage?	What do I need to do as a participant?
1. Comment Triage & Resolution	<ul style="list-style-type: none"> • Comments will be reviewed and allocated to a triage category • Code Issues will be identified and prioritised • Comment responses will be updated to provide the rationale and/or the proposed change 	<ul style="list-style-type: none"> • Comment Owners to provide further information on comment if required • Comment Owners to be available to discuss comments directly if required
2. Comment Response Review	<ul style="list-style-type: none"> • Comment responses will be published onto the Collaboration Base and through the CDWG papers • Code drafting will be presented to CDWG for participant feedback and review following open consultation with industry parties • CDWG will review the comments and issues raised through drafting and determine any changes or additions to code drafting • CDWG review activities will be presented to CCAG for consideration as to whether code drafting can be approved in principle before the final consultation 	<ul style="list-style-type: none"> • Review comment responses and proposed changes • Review CDWG meeting materials and provide feedback before the meeting • Attend CDWG meetings to contribute to comment discussions
3. Agree consensus	<ul style="list-style-type: none"> • Where there is not consensus across industry parties, comments will be identified and entered into the Dissensus process • Comment owners will be contacted to raise a Dissensus Form • Dissensus Issues will be discussed in the Dissensus forum 	<ul style="list-style-type: none"> • Comment Owners to complete Dissensus Form, summarising their position and providing rationale and associated materiality • Comment Owners to present their position at the Dissensus forum for discussion • Industry Participants to attend the Dissensus forum to agree decision on Dissensus items
4. Cross-Code Advisory Group (CCAG) (assurance)	<ul style="list-style-type: none"> • Oversee central coordination, monitoring and management of code changes • Review and action work carried out by CDWG • Manage, consult and approve recommended decisions from CDWG 	<ul style="list-style-type: none"> • Provide feedback to your Constituency Representative for discussion at CCAG. Please note that any code drafting questions should be raised at CDWG

Balancing and Settlement Code (BSC) Code Artefacts



BSC Registration Code Artefacts in scope of 31 May consultation are set out below:

BSC document	Related Design Artefacts	Change tracking applied	Complexity of change
BSCP68 - Transfer of Registration of Metering Systems Between CMRS and SMRS	N/A - Generic Update. DIP interfaces for MHHS Metering Systems added	Redlined BSCP document	Low
BSCP705 - Licensed Distribution for MHHS Metering Systems	BPs: BP001, BP002, BP003, BP008, BP010, BP011 BPDs: BPD001, BPD002, BPD003, BPD008, BPD010, BPD011 BRs: BRS005	Clean BSCP document	Medium
BSCP706 - Supplier Meter Registration Service for MHHS Metering Systems	BPs: BP001, BP002, BP003, BP008, BP010, BP011 BPDs: BPD001, BPD002, BPD003, BPD008, BPD010, BPD011 BRs: BRS003 Other: E2E002, OPC001	Clean BSCP document	High

The table below shows Balancing & Settlement Code Procedures (BSCPs) with Registration impacting processes, which will be delivered in a later tranche, and the supporting rationale:

BSCP	Topic Area	Rationale
BSCP537 - Qualification Process for SVA Parties, SVA Party Agents and CVA MOAs	Consequential Code Change	Being developed under Performance Assurance WG
BSCP550 - Shared SVA Metering Arrangement of Half Hourly Import and Export Active Energy	Mop-up	Requires other text in place first
BSCP604 - Error Resolution and Retrospective Manual Adjustments	Interfaces	Will be updated alongside data validation and interface processing rules in BSCP706, Appendix 4 once rules around RMAs are known
PSL100 - Party Service Line	Mop-up	Requires other text in place first

BSCP68 is a redlined Balancing & Settlement Code Procedure which covers:

- **Transfer of Registration of Metering Systems Between CMRS and SMRS**
- Changes required to:
 - Add the terms Advanced Data Service, Market-wide Data Service and Industry Standing Data where reference is made to Data Collector, Data Aggregator and Market Domain Data to reflect that BSCP would be applicable from go-live date.
 - Add DIP interfaces to reflect new processes for registering MHHS Metering Systems.

BSCP705 is a new Balancing & Settlement Code Procedure setting out the responsibilities of the **Licensed Distribution System Operator (LDSO)** for MHHS Metering Systems, including the following:

- Creation of New SVA Metering System
- Change of Energisation Status for a SVA Metering System
- Disconnection of a SVA Metering System
- Change of Connection Type and/or Market Segment
- Demand Disconnection Events
- DIP interfaces sent and received for each step of the above processes

BSCP706 is a new Balancing & Settlement Code Procedure setting out the responsibilities of the **Supplier Meter Registration Service (SMRS)** for MHHS Metering Systems, including the following:

- Creation of New Skeleton Record for SVA Metering System [BP001]
- Change of Supplier or Initial Registration for SVA Metering System [BP001]
- Agent Appointment for SVA Metering System [BP002 & BP003]
- Update of SMRS Registration Data by Licensed Distribution System Operator [BP010]
- Update of SMRS Registration Data by Supplier [BP010]
- Updates to Energisation Status and Meter Technical Details (MTDs) by SVA MOA [BP008]
- Disconnection and Registration Deactivation of an SVA Metering System [BP007]
- Change of Connection Type and/or Market Segment for SVA Metering System [BP011]
- DIP interfaces sent and received for each step of the above processes

BSCP705 and BSCP706 follow existing BSCP conventions based on the following structure:

1. Introduction

Overview of BSCP, associated documents, acronyms and definitions

2. Service Definition & Responsibilities

General obligations, non-functional requirements and service levels (where defined)

3. Interface and Timetable Information

Sequential business process steps with associated timings and information required

4. Appendices

Additional rules for e.g., data validation and interface processing used in combination with section 3

**BR artefacts are transposed into sections 2 and 3, BPs, BPDs and OC timings into section 3. These have been [tagged] in the BSCP to aid review and traceability – the tagging will be removed after the documents are approved by CCAG.*

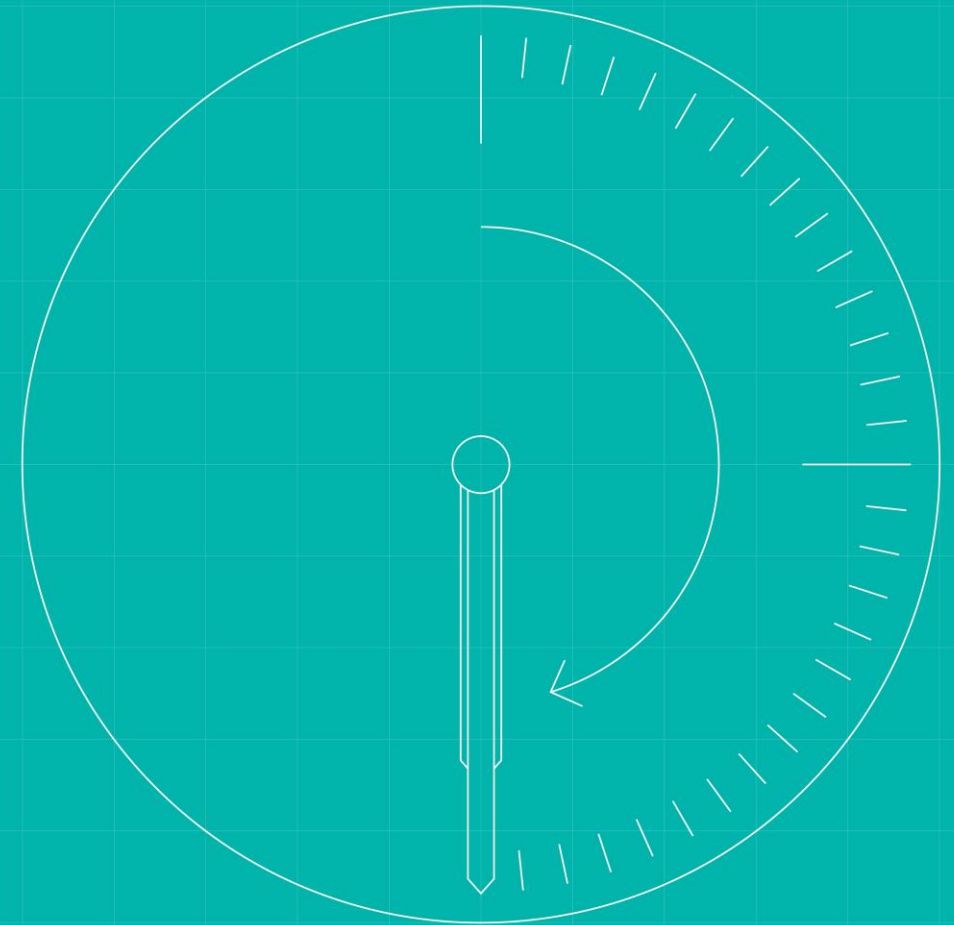
Please also note the following decisions made in the BSCP706 drafting:

- Where possible, the wording of requirements and terms in the design artefacts have been replicated in drafting, except where these need to conform to existing BSC terminology and/or reference other enduring code documents.
- In parts of section 3, Registration processes are largely identical for Metering and Data Service Appointments, so are shown for all Agents. In Section 2, the BRs have been set out separately, but could be consolidated to avoid repetition.

Drafting of the following content areas will be added to BSCP706 in a later tranche:

- Performance Assurance, monitoring and reporting against SMRS Service Levels (none defined as yet)
- Additional reporting to BSCCo and the BSC Panel for other purposes
- Additional NFRs beyond what is set out in the E2E Non-Functional Requirements artefact for all DIP users
- Detailed data validation and interface processing rules will be added as part of the Interfaces tranche

Retail Energy Code (REC) Code Drafting



Registration code documents in scope of consultation:

REC document	Related Design Artefact*	Change tracking applied	Size of change?
Schedule 11: Prepayment Arrangements	N/A	Reviewed against v2.4	No change
Schedule 19: Market Exit and SoLR	N/A	Changes tracked against v3.1	Small
Schedule 23: Registration Services	BP001 - Change of Supplier, BP007 – Disconnection, BP010A - Change of registration data	Changes tracked against v1.1	Small
Schedule 24: Switching Data Management	N/A	Changes tracked against v1.1	Small
Schedule 25: Central Switching Service	N/A	Changes tracked against v1.1	Small
Schedule 27: RMP Lifecycle	BP001 - Change of Supplier, BP003A - CSS and DCC Update, BP003B - Change of existing Service provider details, BP007 – Disconnection, BP010B - Change of registration data	Changes tracked against v1.0 (updated to include REC CP-R0044)	Small
Schedule 28: Related Metering Points	BP010B - Change of registration data, BP011C - Registration Service Advisory Notifications	Changes tracked against v1.0	Small
Schedule 29: Address Management	BP010A – Change of registration data	Changes tracked against v1.1	Small
Data Specification: Address Population Rules	N/A	Reviewed against v1.0	No change
Service Specification: Central Switching Service Definition	N/A	Reviewed against v1.1	No change
Service Specification: Electricity Registration Data Service Definition	BP010D - Change of registration data	Changes tracked against v1.1	Small
Data Specification: EES Data Access Matrix	BRS006 – EES and SDEP Requirements	Changes tracked against v3.1 (updated to include REC CP-R0066)	Medium

**Where requirements already covered in REC documents then these are not shown as redline changes*

The table below shows artefacts originally within scope of the Registration tranche that will now be delivered in a later tranche, or removed from the scope of the MHHS changes, and the supporting rationale:

Artefact	Topic Area	Rationale
Schedule 30: Resolution of Customer Facing Switching and Billing Issues	TBC	This schedule describes the process for managing Switch Meter Read disputes. Completion is dependent on outcome of Design Issue on the Switch Meter Read process.
Schedule 17: Secure Data Exchange	N/A	Designated through CCIAG as a consequential change. Reviewed by RECCo with its MHHS Stakeholder Advisory Group (MSAG) and no changes proposed.
Service Specification: Secure Data Exchange Service Definition	N/A	As above
Service Specification: Electricity Enquiry Service Definition	Governance and Qualification	Design currently being developed as a consequential change by RECCo, outside of the MHHS-led design work, as agreed with CCIAG. Aim to include within Governance and Qualifications Tranche but may move back to Consequential Change Tranche.
Data Specification: Electricity Data Access Matrix	Governance and Qualification	As above



REC Registration Code Drafting Summary of Changes

Schedule 11: Prepayment Arrangements – summary of change

- Schedule covers rules for Energy Suppliers when managing activities for Consumers with PPM Meters (including Smart Meters in PPM mode) for example, provision of PPM devices, updating information held on and about PPM Meters, managing Switches with Smart Meters (in PPM mode) where there a comms issues, unallocated transactions etc.
- No required changes identified to support MHHS.
- Impact of REC CP-R0037 to be reviewed in Mop Up Tranche if agreed by REC Change Panel (may also impact Schedule 30: Resolution of CFSB Issues)
- Minor housekeeping changes have been identified as part of the review (e.g. para 3.3 references to pre-CSS go-live switching arrangements). These have been notified to the REC Code Manager and will be progressed separately.
- Schedule 11 is available on the REC Portal www.recportal.co.uk/recportal

Schedule 19: Market Exit and SoLR – summary of change

- REC Schedule covers expulsion and voluntary withdrawal from the Code, plus the end-to-end SoLR process.
- Changes proposed to include notification by the Code Manager to the DIP Manager when an organisation ceases to be a REC Party, recognising the separation between the DIP Manager and BSCCo.
- Assumption that Ofgem will issue a separate notification to the DIP Manager in relation to SoLR. Will update as required once the position has been finalised as part of BSC Issue 101.

Schedule 23: Registration Services – summary of change

- Schedule includes the end-to-end process for Suppliers to initiate Registration Requests, together with CSS processing these requests and issuing various notifications to Market Participants.
- Section 11 includes activities to be delivered at the point a Registration Request is Confirmed and currently captures Supplier Agent Appointment, population of settlement data and sending the NOSI flow with a caveat that some activities could be carried out earlier or later.
- MHHS is amending the Appointment process and requiring Electricity Suppliers to initiate Supplier Agent Appointment on receipt of the Pending Notification to enable the SMRS to validate and share with the Supplier Agent ahead of the Secured Active Notification being received by SMRS.
- Changes required to:
 - Separate the gas and electricity provisions to ensure no indirect impact on the existing gas provisions.
 - Remove reference to sending electricity settlement data and de-appointment as this is triggered through the new MHHS processes following initiation of the Supplier Agent Appointment.
 - Amend reference to Supplier Agent Appointment to reflect this being triggered following receipt of the Pending Notification.
- Assumption that no change to the Domestic Premises Indicator update process.

Schedule 24: Switching Data Management – summary of change

- Schedule sets out the classification of Market Messages sent to and from the CSS, the governance of Data Items as well as responsibilities for the accuracy and provision of Switching Operation Data and its maintenance process.
- Minimal changes required for MHHS:
 - Remove reference to DA and DC from para 4.5 list of parties whose Electricity Market Role must be sent by Code Manager to CSS
 - Remove para 4.9 requirement for BSCCo to send Market Participant Role details for DAs and DCs to Code Manager
- Do not propose to add Data Service or MDR to the list of relevant Electricity Market Role parties within Switching Operation Data. These market roles will not be CSS Users, therefore CSS does not require this information from Code Manager for the purpose of validation.
- Assumption that there will be no change to the process for BSCCo to send Market Participant Data to the Code Manager for the Code Manager to pass through to the CSS.
- Assumption that DIP compliance is a BSC matter and any associated Market Sanction would be notified to Code Manager by BSCCo (as it would for any other BSC Market Sanction).

Schedule 25: Central Switching Service – summary of change

- Schedule sets out who can become a CSS User and how they get access to the service, e.g. process for CSS testing, requesting and revoking certificates and for establishing webhooks.
- Minimal changes required for MHHS:
 - Removed references to DA and DC as CSS Users
- No new CSS Users added for MHHS:
 - As discussed via the CCIAG and reflected in MHHS BP003A, Data Services are not CSS Users
 - MHHS (BP003A) requires Smart MDRs to be notified to the Smart DSP via the CSS. This change has been agreed through REC CP-R0044 and captured within the RMP Lifecycle Schedule but does not impact the CSS Schedule. A further change to the Data Specification to support the Smart MRD update process has been proposed through REC CP-R0097.
- No change required to the approach to CSS holding information on current MEM appointments, as reflected in MHHS BP003A.

Schedule 27: RMP Lifecycle – summary of change

- Schedule covers end-to-end electricity metering point connection and disconnection, including references to BSC provisions relating to the SMRS.
- Updates made to:
 - Reflect the notification of MEM appointment details to the SMRA rather than the ERDA.
 - Reflect the notification of disconnection from the SMRA to the Supplier via the DIP rather than the D0171.
 - Reflect the automatic de-appointment of Supplier Agents and de-energisation following Registration De-activation.
 - Clarify the fact that the ERDAs will receive a change to Metering Point Energy Flow and Metering Point Metered Indicator rather than make the change themselves.
- Minor housekeeping changes have been identified as part of the review (e.g. reference to Meter Data Update and Agent Appointment Schedule). These have been notified to the REC Code Manager and will be progressed separately.

Schedule 28: Related Metering Points – summary of change

- Schedule covers the definition of Related Metering Points and the processes for creating and maintaining Related Metering Point relationships.
- Current definitions to be amended to reflect MHHS approach, including separate definitions for Whole Current and Current Transformer Related Metering Points as discussed via the CCIAG.
- Reference to Unmetered Related Metering Points removed as a result of P434 which should result in no UMS Related Metering Point relationships by MHHS go live.
- Process of creating and maintaining Related Metering Point relationships proposed to be updated to reflect MHHS BP010 (including updates via the MHHS IF-019).
- Design query (DIN 105) raised where the existing business rules set out within the schedule do not align to the validation rules within the MHHS IF-019.
- Proposed change to Clause 5.4 to remove reference to Line Loss Factor Codes.
- Update to SMRS and ERDS roles (as described below in the ERDS Service Definition slide).

Schedule 29: Address Management – summary of change

- Schedule covers Retail Energy Location (REL) and Metering Point Location (MPL) Address processes – no change to REL address processes under MHHS.
- There is a manual process for bulk data cleanse where an Address Data Cleanse File is sent from the supplier to DNO. This process was transferred from the MRA to the REC and is not being amended by the MHHS design.
- Clause 6.3 reflects the existing process for suppliers to notify DNOs of MPL Address updates via the D0381. BP010 has erroneously reflected this as ‘email / SDEP / agreed method’. Design issue (DIN103) raised to correct the design artefact to reflect the D0381.
- Other changes required to clarify the roles of the ERDA to notify CSS and the SMRA to notify other participants via the MHHS IF-018.

Data Specification: Address Population Rules

- The Data Specification includes a word document setting out the rules to be followed when populating MPL Address details within various Market Messages.
- Programme confirmed that there are no changes required to the population rules as a result of MHHS and that the existing rules will apply where the MPL Address is populated in new DIP interfaces.
- The Address Population Rules are available on the REC Portal www.recportal.co.uk/recportal

Service Specification: CSS Service Definition – summary of change

- Service Specification sets out the requirements for the Central Switching Service. Includes the scope of the CSS (Registration Service and the Address Management Service), the required standards/SLAs, reporting requirements and user support arrangements etc.
- Will be updated as required following REC CP-R0093 which proposes to apply SLA volumetrics to support change of Supplier Agent during MHHS Migration.
- No additional changes identified to support MHHS as part of the MHHS SCR.
- The CSS Service Definition is available on the REC Portal www.recportal.co.uk/recportal

Service Specification: Electricity Registration Data Service Definition – summary of change

- ERDS Service Definition covers the service functionality and SLAs applied including availability and response times.
- Change proposed to align to the split in responsibilities between the REC and the BSC, with the DIP interactions applied to the 'Registration Service' within the MHHS design captured within SMRS scope.
- ERDS scope limited to interactions between SMRAs, Smart Metering DSP, Green Deal Central Charge Database and the CSS.
- Amendments to processing timescales to align to MHHS requirements – note that this is subject to Programme CRs 017 and 018.

Data Specification: Electricity Enquiry Service Data Access Matrix – summary of change

- The Electricity Enquiry Service (EES) Data Access Matrix (DAM) has been amended to reflect new data items and market roles being introduced to support the MHHS arrangements.
- Changes include:
 - Addition of Data Services with the same access as existing Data Collectors.
 - Addition of new MHHS data items with access permissions based on similar existing items
- Changes were discussed at the Consequential Change Impact Assessment Group (CCIAG) in December 2022.
- The draft EES DAM was issued for industry consultation under REC governance between 21 February and 7 March 2023.
- Minor updates were made to address consultation comments being agreed by the REC MHHS Stakeholder Advisory Group on 19 April 2023 for inclusion in this MHHS drafting consultation.
- REC CP-R0066 'Inclusion of SMRS Data Items in EES (BSC CP1568 Consequential Change)' has been approved and will be implemented on 30 June 2023. To support industry review, these changes have been included in the EES DAM issued for consultation - highlighted in blue.

Thank you