This document is classified as **UNCLASSIFIED**
Information is not restricted

SOLUTION DEVELOPMENT REPORT

R0209 – IMPLEMENTATION OF MARKET-WIDE HALF HOURLY SETTLEMENT (MHHS) ARRANGEMENTS

DATE ISSUED	24/10/2024

LEAD ANALYST	Harriet Truss
REPORT REVIEWED BY	Paul Witton-Dauris

PROPOSED SOLUTION

The proposed solution for R0209 is to update the REC according to the MHHS Code Artefacts, baselined at MHHS Milestone M6, notwithstanding additional changes identified under R0209 itself. Additional changes identified for progression under R0209 are to

- reflect approved Change Proposals;
- correct typographical errors;
- correct incorrectly assigned Scenario Variants (SVs); and,
- provide missing references or clarification.

1 MHHS CODE DRAFTING

Based on MHHS Design and business requirements, as well as consequential change solutions developed under REC governance, the code drafting for the impacted REC products has been developed and extensively consulted on as part of the MHHS Programme.

- Code Drafting has progressed as a Workstream under the MHHS Programme, through the Code Development Working Group (CDWG) reporting to the Cross-Code Advisory Group (CCAG).
- In developing the REC Code Drafting, RECCo has worked closely with the REC Code Manager, Elexon, the MHHS Programme and other Code Bodies.
- This activity has translated the agreed MHHS Programme Design Artefacts, updated from time to time and available on the MHHS Programme website (www.mhhsprogramme.co.uk), into Code requirements.
- It has also included drafting to reflect consequential change solutions for impacts not specified in the MHHS Design but approved under the REC's MHHS Stakeholder

Advisory Group and available on the REC Portal REC MSAG Committee page (Solution Documents - MHHS Stakeholder AG - REC Portal)

- REC code drafting was developed in thematic tranches from early 2023 to early 2024, covering Metering Services, Registration, Qualification and Governance, Migration, Interface Drafting and Transition. Each tranche was published for consultation, then updated and reviewed by CDWG, before being approved by CCAG.
- A 'Mop Up' tranche was undertaken to review and update the code drafting. As with the thematic tranches, the Mop Up tranche was published for consultation, then updated and reviewed by CDWG, before being approved by CCAG in May 2024.
- As a last step, all of the proposed changes to the REC (as well as the BSC and DCUSA) were issued for an industry consistency consultation in June 2024 and then updated for finalisation. This included review by CDWG and approval and baselining by CCAG in August 2024.
- All of the proposed MHHS changes have been reviewed against approved REC CPs and updated as necessary so that the legal text retains its intent against the updated baseline.

Information on the baselined code artefacts can be found on the MHHS Programme website on the Finalisation of Code Artefacts pages.

Amendments are required to the following REC documents:

- Schedule 1 – Interpretations and Definitions
- Schedule 9 – Qualification and Maintenance
- Schedule 12 – Data Access
- Schedule 14 – Metering Operations
- Schedule 15 – Metering Accreditation
- Schedule 19 – Market Exit and Supplier of Last Resort
- Schedule 23 – Registration Services
- Schedule 24 – Switching Data Management
- Schedule 27 – RMP Lifecycle
- Schedule 28 – Related Metering Points
- Schedule 29 – Address Management
- Schedule 30 – Resolution of Consumer Facing Switching and Billing Issues
- Consolidated Metering Code of Practice
- EES Service Definition
- ERDS Service Definition
- Schedule XX – MHHS Migration (New)

Amendments are also required to the Data Specification as follows:

- REC-owned Market Messages and Data Items
    - Consequential Change Solution - REC-Owned Market Messages
    - New Data Integration Platform (DIP) messages
- EMDS Standards Definition Document
- EES API Interface Specification

2 UPDATES TO SOLUTION UNDER R0209

2.1 UPDATE TO DATA SPECIFICATION POST M6 BASELINE

As part of a final review of the Market Messages and associated Data Items held within the Energy Market Data Specification (EMDS), it was noted that 20 SVs should be BSC-owned but were incorrectly marked as REC-owned in the version approved under MHHS governance at M6 by the CCAG.

These SVs involve Asset Metering Virtual Lead Parties (AMVLPs) which relate to BSC Asset Metering processes, unrelated to MHHS. Elexon and RECCo (as MHHS Programme Participants) and the MHHS Programme agree that these messages should be BSC-owned. Therefore, they have been corrected to be shown as BSC-owned in the proposed solution. The impacted SVs are:

Scenario Variant Identifier	Market Message Scenario Variant Name	Market Message Identifier
SV00446	Notification of Commissioning Information	MM00370 (D0383)
SV00447	Notification of Commissioning Status	MM00372 (D0384)
SV00448	Notification of Commissioning Status	MM00372 (D0384)
SV00460	Request to Change Energisation Status	MM00021 (D0134)
SV00461	Confirmation or Rejection of Energisation Status Change	MM00036 (D0139)
SV00462	Request for Installation or Change to a Metering System Functionality or the Removal of All Meters	MM00042 (D0142)

SV00471	Notification of Failure to Install or Energise Metering System	MM00121 (D0221)
SV00474	Advanced Meter Technical Details	MM00156 (D0268)
SV00475	Notification of Customer Details	MM00236 (D0302)
SV00476	Notification of Customer Details	MM00236 (D0302)
SV00515	Confirmation or Rejection of Energisation Status Change	MM00036 (D0139)
SV00519	Request for Installation or Change to a Metering System Functionality or the Removal of All Meters	MM00042 (D0142)
SV00569	Notification of Failure to Install or Energise Metering System	MM00121 (D0221)
SV00593	Advanced Meter Technical Details	MM00156 (D0268)
SV00599	Notification of Customer Details	MM00236 (D0302)
SV00600	Notification of Customer Details	MM00236 (D0302)
SV00612	Notification of Commissioning Information	MM00370 (D0383)
SV00616	Notification of Commissioning Status	MM00372 (D0384)
SV00617	Notification of Commissioning Status	MM00372 (D0384)
SV00688	Request to Change Energisation Status	MM00021 (D0134)

These updates have been provided in the draft legal text presented with this report.

2.2 UPDATE TO SCHEDULE 14 BASELINE TO CAPTURE POST M6 IMPLEMENTATION OF R0121 & R0192

Due to the extent of changes to Schedule 14 – Metering Operations, the release approach in EMAR is to completely remove the live version of Schedule 14 and replace it with that approved under this Change Proposal. To facilitate this approach, the Code Manager proposes including two sets of updates in the version of Schedule 14 presented in R0209:

- the SDEP message references confirmed on implementation of R0121 on 23 August 2024
- the housekeeping changes, approved under R0192 shortly after M6 baselining and implemented on 06 September 2024

These updates have been provided in the draft legal text presented with this report.

2.3 HOUSEKEEPING CHANGES TO SCHEDULE 14 AND NEW MIGRATION SCHEDULE

During the Code Manager's review of the REC Market Scenarios for MHHS, some cross referencing and housekeeping errors were identified in Schedule 14 and the new Migration Schedule.

The Code Manager proposes correcting these errors through the approval of R0209.

These updates have also been provided in the draft legal text presented with this report.

2.4 UPDATES INCLUDED IN R0209 FOLLOWING CONSULTATION

Three additional drafting requirements for Schedule 14 have been identified during the Consultation period, which are considered necessary for the success of R0209 implementation:

- The MHHS drafting in Schedule 14 currently states that the Meter Asset Provider Update via the IF006 is issued to the MOA. This will also be issued to the Supplier, DNO, Data Service and EES as set out in the routing table in the DES138 – Interface Catalogue. The EMDS drafting captures these additional recipients, but an update is required to the Schedule 14 drafting.
- Process steps 22.9.9, 22.11.9, 23.1.9 cover the scenario where the MOA rejects the appointment and the SMRS issues an IF035 to the Supplier to notify the rejection. This rejection will also be issued to the MOA. Similarly, the EMDS drafting captures the additional recipient, but an update is required to the Schedule 14 drafting.
- Process steps 22.6.21, 22.9.27, 22.9.29, 22.11.27 and 22.11.29 – which cover the final steps in the MOA appointment processes, for example to share Meter Technical Details, Priority Service Register and customer contact details – currently reference that they should follow receipt of the IF036 for prospective appointments but should also reference the same for retrospective appointments. Both prospective and retrospective, are specified in the BP002 Change of Metering Service MHHS Design Document. Although the scenario is different - retrospective rather than prospective – the process steps required are the same.

The Code Manager proposes that these additional drafting requirements should be included as part of the R0209 legal text for approval. They do not change or add to the agreed process steps in the schedule but will ensure they are applied in the right scenarios. Their inclusion will align the Code Drafting with MHHS Design and will minimise the risk associated with their absence. Delaying these corrections, and leaving them out of the drafting, could lead to

confusion for participants and potentially lead to issues with their delivery if code drafting is used as the reference point rather than the MHHS Design documents.

The proposed approach to include all three additions above was supported by CCAG members, at its meeting on 23 October 2024.

In the Consultation responses, a number of non-material amendments were also proposed. These changes have been reviewed by the Code Manager and RECCo. The following amendments have been included:

Schedule 1	Three typographical corrections to the definitions for 'Industry Standing Data', 'MHHS Migration Plan', and 'Market Domain Data'
Schedule 23	Added to Action column in process tables (steps 13.3.3, 13.3.13, 13.4.10, 14.6.7) - 'The Market Message will only be sent to the Data Collector and Data Aggregator for Non-MHHS Metering Points' to provide clarification between MHHS and non-MHHS Metering Points
Schedule 28	One typographical correction to paragraph 1.8
Schedule 30	One typographical correction to paragraph 9.9(d)
Schedule XX	References to MHHS Transition Schedule amended to reference 'Part E in the Metering Operations Schedule' in paragraph 1.4 and process step 2.7.1

2.5 UPDATE IDENTIFIED DURING CONSULTATION NOT INCLUDED IN R0209

One Consultation response highlighted that it is not clear in Schedule 28 – Related Metering Points, what the process should be if two Metering Points need to have a relationship created but one is an MHHS Metering Point and the other is a Non-MHHS Metering Point. The Code Manager and RECCo agree that this is something that should be clarified but the MHHS Migration Design does not specify the requirement for this scenario.

The Code Manager proposes that any drafting that is required to provide this clarification, once confirmed, will need to be shared with industry for consultation before being recommended for approval. This is not possible under the Proposal Plan required for R0209. Therefore, the Code Manager will work with the Programme to develop and progress a change under a subsequent Change Proposal, with a proposed implementation also aligned to Programme Milestone M8.

3 IMPLEMENTATION

Ofgem's letter to the Code Manager, dated 04 September 2024 sets out a proposed implementation date in line with MHHS Programme Milestone M8 'Code changes delivered'.