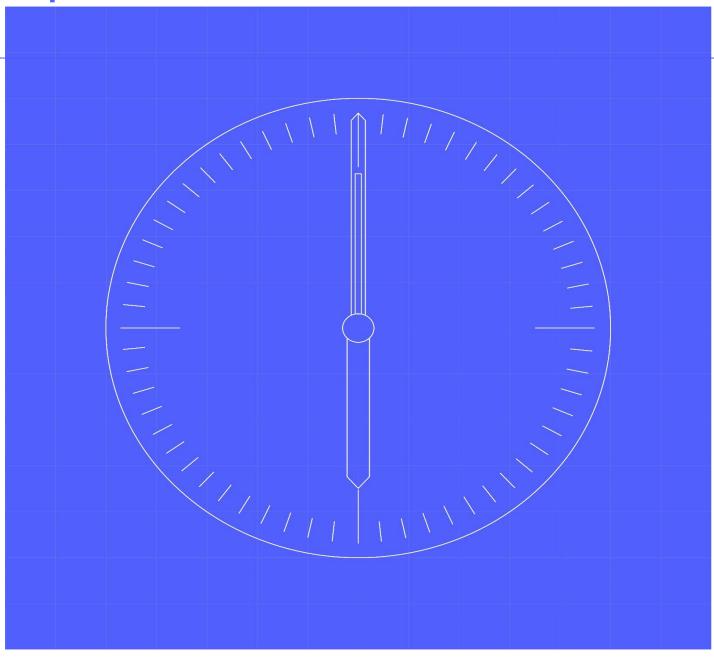


[07] Migration Data Requirements and Reports



Document owner

Migration Team

Status:

C3 Update

Document number

MHHS-DEL2764

Date

20 December 2024

Version

<u>2.1</u>1.0

Classification

Public



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1.1 Change Record

Date	Author	Version	Change Detail
13/06/2024	Migration Team	v0.1	Migration Framework Industry Consultation 2
01/07/2024	Migration Team	V0.2	Updated following Industry Consultation
			Comments
25/07/2024	5/07/2024 Migration Team V1.0 Version uplifted following MCAG Interi		Version uplifted following MCAG Interim
			Approval
20/12/2024	Migration Team	<u>V2.1</u>	<u>Draft for Consultation 3</u>

1.2 References

Document	Publisher	Published	Additional Information
REF-1 MHHS-DEL2426-[01] Migration Framework Foundations v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-2 MHHS-DEL2427-[02] Migration Framework - Principles and Guidelines v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-3 MHHS-DEL2428-[03] Migration Capacity Calculations - Method Statements v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-4 MHHS-DEL2429-[03a] Calculations Monitoring and Control – Parameters v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-5 MHHS-DEL2430-[04] Migration Requirements and Processes v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-6 MHHS-DEL2431-[04a] Migration Business Process Models v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-7 MHHS-DEL2762-[05] Migration Choreography v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-8 MHHS-DEL2763-[06] Migration Governance and Escalation Framework v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-9 MHHS-DEL2764-[07] Migration Data Requirements and Reports v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
REF-10 MHHS-DEL961 – Migration Design Document v1.4	Migration Team	12/06/2024	
REF-11 MHHS-DEL953 – Data Assessment Report V1.0	Migration Team	21/02/2023	
REF-12 MHHS-DEL1128 – Migration, Cutover and Data Strategy v1.0	Migration Team	02/06/2023	
REF-13 MHHS-DEL1648 - Migration Thresholds Document v1.1	Migration Team	20/12/2024 (Draft)	
REF-14 MHHS-DEL813 – Overarching Test Data Approach and Plan V1.0	Testing Team	19/07/2023	
REF-15 MHHS-DEL1181 – Data Cleanse Plan v2.1	Migration Team	04/06/2024	
REF-16 MHHS-DEL1792 - M15 Acceptance Criteria v1.1	Migration Team	20/12/2024 (Draft)	
REF-17 MHHS-DEL3359 – Terminology and Glossary v2.1	Migration Team	20/12/2024 (Draft)	Migration FW
6REF-18 MHHS-DEL2952 - Supplier Envelope and Plan Submission Guide v2.1	Migration Team	20/12/2024 (Draft)	Migration FW

1.3 Terminology

Please see MHHS-DEL3359 - Terminology and Glossary v2.1

Term	Description
DALL Drococo	This refers to a process within the MHHS arrangements as set out within the
BAU Process	MHHS Core Design.
BSC	Balancing and Settlement Code
Control Comissos /	MHHS Programme term referring to the parties and systems that comprise the
Central Services /	supporting infrastructure for MHHS business processes and services, namely
Systems	the Elexon Central Services, Electricity Enquiry Service, Data Service Provider,

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Term	Description				
	Central Switching Service, Data Transfer Network, and the Data Integration				
	Platform.				
CoA	Change of Agent				
CoS	Change of Supplier				
CSS	Central Switching Service				
Daily Planned Migration	This is an industry-wide limit on the maximum planned for number of migrations				
Threshold	that can take place on a given day under normal circumstances.				
	The approach and activities required to improve and populate data prior to				
Data Cleanse Plan	Migration start.				
DC	Data Collector				
DIP	Data Integration Platform				
DS	Data Service				
DSP	Data Services Provider				
ECS	Elexon Central Services				
EES	Electricity Enquiry Service				
Export MPAN	An MPAN that exports energy to the grid from a premises.				
Forward Migration	The process through which MPANs will move from legacy arrangements to				
	MHHS arrangements.				
IDNO	Independent Distribution Network Operator				
Import MPAN	An MPAN that imports energy from the grid to a premises				
ISD	Industry Standing Data				
LDSO	Licensed Distribution System Operator				
LDSO Portfolio	Limits set for each LDSO based on the size of their portfolio, ensuring balanced				
Thresholds	migration across different operators				
THIESHOIUS	See MHHS-DEL1648 - Migration Thresholds Document v1.0				
	The existing arrangements set out under the BSC and REC. For the purposes of				
Legacy Arrangements	the Migration Design, this is primarily the REC Metering Services Schedule and				
	the Balancing and Settlement Procedures related to Data Collection.				
MCC	Migration Control Centre				
MHHS	Market-Wide Half-Hourly Settlement				
MHHS Arrangements	The new MHHS arrangements as set out in the MHHS Core Design Artefacts.				
	The technical articulation of how MPANs will move from legacy to new MHHS				
Migration Design	arrangements.				
ingraden 200ign	See MHHS-DEL961 - Migration Design Document v1.4				
	The period denoted by the Programme as occurring between the M11 and M15				
Migration Period	milestones.				
Migration Planning and	Application to be developed for use by the MCC to manage the end to end				
Management Tool	migration process				
(MPMT)	Hilligration process				
MOP	Meter Operator				
MPAN	Meter Point Administration Number				
MPID	Market Participant Identifier				
MS					
	Metering Service				
MWG	Migration Working Group				
NFR	Non-Functional Requirement				
Primary MPAN	The MPAN, within a Related MPAN arrangement, for which a Switch is initiated,				
	or a forward migration (via an IF-031) is initiated.				
	A Supplier MPID recognised in ISD as both having passed the relevant BSC				
Qualified Supplier	qualification requirements; and declared that their service is operational within				
	the MHHS arrangements.				
	The Registration Service is the LDSO service that holds Meter point standing				
	data information about each MPAN within its Distribution Region. Data includes				
Registration Service	the BRP the processing and metering services appointed to the MPAN. It also				
_	includes information on the type of customer, the Measurement Class,				
	Energisation Status and Line Loss Factor Class.				
REC	Retail Energy Code				

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Term	Description				
Doverse Migration	The process through which MPANs will move from MHHS arrangements to				
Reverse Migration	legacy arrangements.				
Cocondon MDAN	The MPAN, within a Related MPAN arrangement, for which a forward migration				
Secondary MPAN	occurs when an IF-031 is received for a Primary MPAN.				
Cyvitale	The process by which a new Supplier Registration supersedes an existing				
Switch	Supplier Registration, managed by the CSS.				
Llenen Missetien	This is an industry-wide limit on the maximum number of migrations that can				
Upper Migration	take place on a given day under exceptional circumstances.				
Threshold	See MHHS-DEL1648 - Migration Thresholds Document v1.0				
	A daily profile covering the whole migration period detailing the maximum				
Supplier Capacity	number of migrations for a given Supplier MPID in a LDSO that may be				
Envelope	undertaken.				
(Envelope)	This also includes the submission rules for a Supplier MPIDsS deminimus				
. ,	category submissions.				
	A Supplier's forward view of planned migrations by MPID at LDSO level that falls				
Supplier Submission	within the Supplier Capacity Envelope provided and includes all MPANs within				
· ·	their portfolio.				

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2 Introduction

2.1 Purpose of the Document

This document sets out the Data Requirements for the Migration Control Centre (MCC) and the Migration Planning Management Tool (MPMT).

This document outlines the Data Requirements for the Migration Control Centre (MCC) and the Migration Planning Management Tool (MPMT), as well as providing a view of the external Migration Report Catalogue.

It seeks to ensure that the MCC and Industry Stakeholders have the necessary data and reporting capabilities to monitor, manage, and control the MHHS migration effectively.

This document, and supporting documents as listed in the References section, form part of the MHHS Migration Plan that details the obligations, as defined in Section C12 of the Balancing and Settlement Code Section C, that defines the obligations on MHHS Market Participants relating to participation in the Migration of MHHS Metering Systems.

Refer to the MHHS-DEL2952 - Supplier Envelope and Plan Submission Guide v2.1 for information on how the MCC will seek support Report delivery with Participants.

2.2 Overview

2.2.1 Data Requirements

The Data Requirements section aims to:

- Identify key data sources and reports that will serve as inputs for the MCC and MPMT.
- Ensure the accuracy and completeness of reference data used by the MCC and MPMT.
- Understand additional data requirements to support the development of the MCC and MPMT.

2.2.2 Reporting Catalogue

The Reporting Catalogue section seeks to:

- Specify the structure and classification for Migration reports.
- Identify reports timings and high-level content, and purpose.
- Provide an opportunity for stakeholders to offer feedback and opinions.
- Support a MCC Principle of continuous monitoring and improvement of the migration process.
- Present a core set of Migration Reports that can be iteratively enhanced during the active migration window.

We acknowledge that additional Migration insights and requirements may emerge through consultation and operational experience.

3 Objectives

The Migration Team aims to achieve the following objectives:

1. Identify Sources and Types of Data

Determine the data sources and other information including other Party reports that the MCC will need to Monitor, Manage and Control the MHHS migration.

2. Clarify Key Reports

Provide an overview of essential reports that parties can expect from the MCC, with key data items and expected frequency.

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3. Avoid Reporting Duplication

Ensure that MCC reporting complements the MHHS Programme and does not result in duplication of effort or information where practical.

4. Develop and Confirm Reports

Once we establish the high-level report definitions, we will further refine the structure and data to assist parties in their planning and process development.

5. Feedback and Adaptation

Acknowledge that this list of reports is an important starting point and remains open to feedback to address additional requirements concerning data and frequency.

The Migration Team is committed to producing information that supports the Migration Framework principles and ensures clarity for all parties involved in the migration execution.

By collaborating with industry stakeholders, the team aims to create a reporting framework that meets the evolving needs of the MHHS migration processes.

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4 Data Requirements

The Migration Team have identified the following data sources and inputs required for the Migration Framework and Reporting Suite:

#	Source / Input	Description	Example Entities / Data Items
DR-01	Industry Standing Data (ISD)	Data defining market participants and roles.	ISD Entities: Entity Id 1 - Market Participant Organisation Entity Id 4 - SMR Agent Appointment Entity Id 21 - Market Role Entity Id 45 - Market Participant Role Entity Id M16 - Market Participant to DIP Participant Mapping Entity Id M18 - DIP Market Roles
DR-02	Electricity Enquiry Service (EES)	Supplier portfolio counts for each supplier within each LDSO region.	Supplier Portfolio Counts for each Supplier within each LDSO Region
DR-03	Data Integration Platform (DIP)	Messages and events supporting migration.	Message Data: IF-001/PUB-001 Notification of Change of Supplier IF-003/PUB-003 Notification of Reverse Migration and De-Appointment IF-031/PUB-031 Supplier Service Provider Appointment Request IF-032/PUB-032 Supplier Service Provider Appointment Request Response IF-034/PUB-034 Service Provider Appointment Request Response IF-035/PUB-035 Registration Service Appointment Status Notification IF-036/PUB-036 Service Provider Notification of Appointment NOTE The Programme may also wish to track the first instance of the IF-021/PUB-021 to confirm if the migrated MPAN can settle on the new arrangements, this will most likely form a part for the assurance activities.
DR-04	Programme Party Coordinator (PPC)	The MHHS Programme body that coordinates and collects Programme Party data.	 Target MPIDs for Suppliers within each LDSO Region. Confirmed Migration Start dates for qualified MHHS Suppliers and Agents.
DR-05	Operational Inputs to the Migration Planning and Management Tool (MPMT)	Inputs for managing the MHHS migration. To be used by the MPMT.	Scaling factors De-minimius Thresholds Escalation Tolerances Operational Incident Reporting: Suppliers, Agents, SMRS/LDSOs, DCC and CSS

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5 Report Categories

#	Category	Definition	Data Items	Notes
RC- 01	Industry and Party Data	Tracking data for various participants	Supplier Status LDSO Status Service Provider Status MDD Data extracts combined with MHHS Programme gathered data including: Current Participant Roles MPID Effective dates	MDD Data extracts should be regularly updated to ensure accuracy. Timing of MDD refresh and MCC Envelope/Reports production important.
RC- 02	Supplier and Service Provider Portfolio Data	Secure reports showing MCC view of portfolios for suppliers	Supplier-only individual reports LDSO MPID Level Portfolios	 Data used by MPMT to define allocations at the MPID Level. Timing of EES refresh and MCC Envelope/Reports production issue important.
RC- 03	MPAN Counts	Distribution of MPANs between LDSOs	Aggregate view of MPANs by LDSO List of Suppliers with portfolios by LDSO	Provides view of Market wide distribution and management of MPANs in relation to migration progress and future migration demand and activity.
RC- 04	Plan vs Actual	Comparison of planned vs actual migration submissions	Submitted Daily Migration Plans for Sprint Execution Actual migration submissions and completions, errors	Used to track and manage deviations from planned migrations.
RC- 05	Transaction Reporting	Views of transaction initiation and completion	Aggregate views of: IF-031/PUB-031 initiated IF-036/PUB-036 completed Summary views of all related migration message submissions/completions/errors	Supports tracking of migration- related transactions and related appointments.
RC- 06	General MI Reporting	Reports for trend analysis and migration issue identification	Various reports to support trend analysis and identify migration issues	 Used for monitoring overall migration performance and identifying potential problems. Allow MCC to make strategic decisions based on data.
RC- 07	Operational Reports	Day-to-day migration management and tracking issues	 Central Services Registration Services LDSOs Supplier Agents/Service Providers Settlement Services 	Used for the daily operational management of the migration process and identifying issues Provide overall system /ecosystem health status. Dependant on MHHS Programme Service Management processes and tools.

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6 Reporting Catalogue

#	Report Name	Report Category	Report Description	Data Items	Report Consumers	Expected Frequency
RP-01	Migration Party Tracking and Status to Migration Start (Migration Readiness)	Industry Data and Party Readiness	Tracks the status of Suppliers, LDSOs, and service providers, including development progress, qualification, and service activation with lead-time to planned migration start dates.	MPID where available Supplier Group MPID,(if relevant) Party Name Market Participant Role Party Status (Suppliers, Central Services, Registration Services, LDSOs, Service Providers) PIT/SIT Progress Status Qualification Progress Status Service Activation Progress Dates Planned Migration Start Dates Migration RAG status Blockers	MCC MHHS Programme Managers Suppliers LDSOs Service Providers ESO	Monthly
RP-02	Supplier Portfolio Data (MCC Snapshot)	Industry Data	Secure individual supplier reports on MCC's view of portfolios used by MPMT to define allocations (MPID Level). Includes numbers of MPANs, meter point types, and expected service provider migration volumes.	Submission Envelope Sheets B and C: Supplier Group MPID, Market Participant Role LDSO-Supplier SharesMeter Point Count MPAN Counts, Meter Point Types Expected Migration Volumes Supplier MPID Groups details Submission Envelope Sheet E: Supplier – Service Providers relationships	MCC Suppliers ONLY	Monthly Also included with Supplier Envelopes
RP-03	Aggregate Migrated MPAN Distribution by LDSO	MPAN Counts	Aggregate view of the distribution of MPANs between LDSOs. List of suppliers with portfolios by LDSO.	LDSO MPID Supplier Group MPIDs MPAN Counts per Supplier: -(MigratedMPAN Count Non-Migrated, Count in valid Migration Status?) List of Supplier MPIDs per LDSO with view of Supplier Portfolio at a macro level e.g. Supplier meets Envelope Criteria for LDSO Supplier meets Deminimis Criteria LDSO meets Deminimis Criteria LDSO meets Deminimis Criteria Supplier has no migration portfolio in LDSO List of Suppliers by LDSO MPID with Complex Sites and remaining Portfolios to be Migrated. -Please refer to Appendix 4.8 of BSCP702 for the definition of complex sites. MPAN Counts related complex sites	MCC LDSOs Suppliers Central Services Registration Services ESO	Monthly Also included with Supplier Envelopes
RP-04	Supplier Submitted Migrations Plan vs Actual Migration Outturn	Plan vs Actual	Comparison of submitted daily migration plans for sprint execution versus actual migration initiations and completion messages.	Supplier Group MPID LDSO MPID Daily Migration Plans submittedSubmitted Status Actual Migration Initiations-and Number of Completied Migrationsons MCC Identified deviations including Threshold breaches	MCC Suppliers TBC if required- Summary/ Aggregated sanitised views for other Participants e.g. Participants e.g. Central Services Registration Services LDSOs ESO	Daily for MCC and Suppliers Weekly for Aggregate Views for other PPs

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#	Report Name	Report Category	Report Description	Data Items	Report Consumers	Expected Frequency
RP-05	Migration Message / Transaction Summary	Transaction Reporting	Aggregate views of IF31 initiated versus IF36 completed. Summary views of all related migration message submissions.	Supplier Group MPID LDSO MPID IF-001 / PUB-001 Notification of Change of Supplier Count IF-003/PUB-003 Notification of Reverse Migration and De-Appointment Count IF-031/PUB-031 Supplier Service Provider Appointment Request Initiated IF-032/PUB-032 Supplier Service Provider Appointment Request Response Count IF-034/PUB-034 Service Provider Appointment Request Response Count IF-035/PUB-035 Registration Service Appointment Status Notification Count IF-036/PUB-036 Service Provider Notification of Appointment Count Aggregate views of IF31 initiated versus IF36 completed. Initiation to completion deltas Summary views of all related migration message submissions. Correlated Message Submission Summary Exception Rates / Error Rates Migration Thresholds vs Submissions	MCC Suppliers TBC Service Providers /Legacy Agents TBC if required Summary/ Aggregated sanitised views for other Participants e.g. Central Services ESO Registration Services LDSOs	Daily for MCC and Suppliers Weekly Aggregate Views for other PPs
RP-06	Migration Trend Analysis	General MI Reporting	Reports to support trend analysis and identify nascent, emerging migration risk and issues.	Trend Data Migration Risk and Issues Historical Comparisons	MCC Code Bodies MHHS Programme Managers	Monthly
RP-07	MCC Operational Migration Dashboard	Operational Reports	Consolidated view of various Operational reports for day-to-day migration management, tracking issues and potential issues related to the performance and operations of: Central services Registration services LDSOs Suppliers Legacy Agents Service providers Elexon Etc.	Impacted Migration Start Date Impacted Migration End Date Migration related Operational Issues Migration Systems Operational Status Migration Parties Operational Status Migration Party ecosystems and dependencies Mean-Time to Recovery Mean Time between Failures	MCC, MHHS Programme Managers All relevant and impacted PPs identified at incident /issue occurrence.	Near Real- time Daily Summary Weekly / Monthly Trends
<u>RP-08</u>	Unused Capacity Report	Operational Reports	Report Detailing the Unused Capacity available to Suppliers	 Sprint Id LDSO MPID Migration Date Unused Capacity 	Suppliers	Sprint Planning Phase and following Unused Capacity Request

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