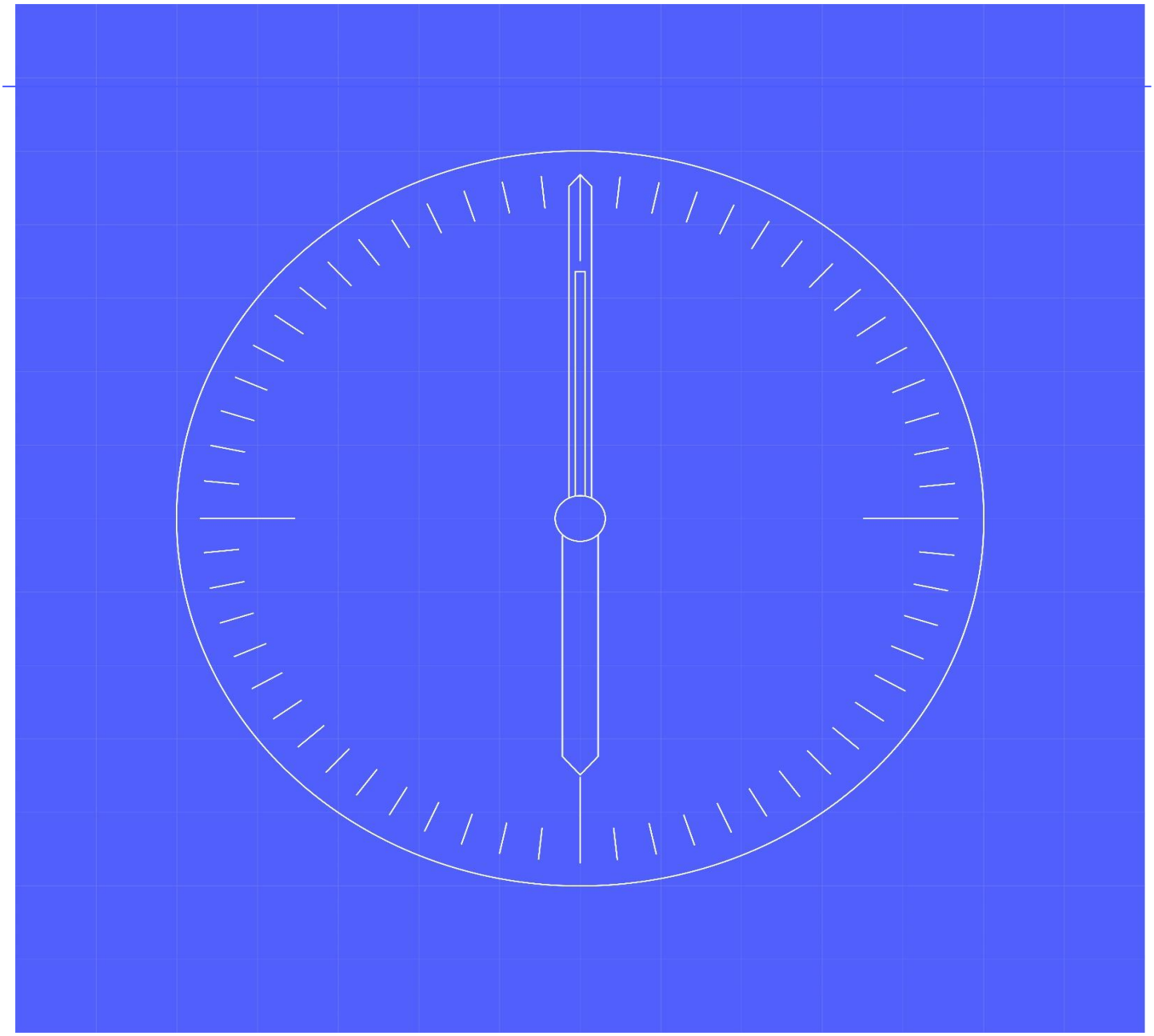
MHHS PROGRAMME
Industry-led, Elexon facilitated

[07] Migration Data Requirements and Reports



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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	Migration Team	V1.0	Version uplifted following MCAG Interim Approval
20/12/2024	Migration Team	V2.1	Draft for Consultation 3
31/01/2025	Migration Team	V2.2	Updated following Consultation 3 Industry Review
25/02/2025	Migration Team	V3.0	Interim Approved by MCAG
14/03/2025	Migration Team	V3.1	Draft for Consultation 4
11/04/2025	Migration Team	V3.2	Updated following Industry Review
29/04/2025	Migration Team	V4.0	Upversioned following MCAG Approval

1.2 References

Document	Publisher	Published	Additional Information
REF-1 MHHS-DEL2426-[01] Migration Framework Foundations v4.0	Migration Team	29/04/2025	Migration FW
REF-2 MHHS-DEL2427-[02] Migration Framework - Principles and Guidelines v4.0	Migration Team	20/04/2025	Migration FW

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Document		Publisher	Published	Additional Information
REF-3	MHHS-DEL2428-[03] Migration Capacity Calculations - Method Statements v4.0	Migration Team	29/04/2025	Migration FW
REF-4	MHHS-DEL2429-[03a] Calculations Monitoring and Control – Parameters v4.0	Migration Team	29/04/2025	Migration FW
REF-5	MHHS-DEL2430-[04] Migration Requirements and Processes v4.0	Migration Team	29/04/2025	Migration FW
REF-6	MHHS-DEL2431-[04a] Migration Business Process Models v4.0	Migration Team	29/04/2025	Migration FW
REF-7	MHHS-DEL2762-[05] Migration Choreography v4.0	Migration Team	29/04/2025	Migration FW
REF-8	MHHS-DEL2763-[06] Migration Governance and Escalation Framework v4.0	Migration Team	29/04/2025	Migration FW
REF-9	MHHS-DEL2764-[07] Migration Data Requirements and Reports v4.0	Migration Team	29/04/2025	Migration FW
REF-10	MHHS-DEL961 – Migration Design Document v1.5	Migration Team	26/03/2025	
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 v2.0	Migration Team	25/02/2025	
REF-14	MHHS-DEL813 – Overarching Test Data Approach and Plan V1.0	Testing Team	19/07/2023	
REF-15	MHHS-DEL1181 – Data Cleanse Plan v4.1	Migration Team	01/04/2025	
REF-16	MHHS-DEL1792 - M15 Acceptance Criteria v2.0	Migration Team	25/02/2025	
REF-17	MHHS-DEL3359 – Terminology and Glossary v4.0	Migration Team	29/04/2025	Migration FW
REF-18	MHHS-DEL2952 - Supplier Envelope and Plan Submission Guide v4.0	Migration Team	29/04/2025	Migration FW

1.3 Terminology

Please see MHHS-DEL3359 – Terminology and Glossary 4.0

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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, together with the migration timetable, form 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 REF-18 MHHS-DEL2952 - Supplier Envelope and Plan Submission Guide v3.1 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**

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

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.

4 Reporting Access and Roles

4.1 Overview

The MCC reporting framework has been structured to ensure controlled access to data based on predefined levels of reporting information.

These access levels are designed to safeguard commercially sensitive data while providing appropriate visibility to different stakeholders involved in the MHHS migration.

Each participant is assigned access based on the **MCC Role Code** and the associated **MPID**, ensuring access is specific to their organisation and relevant Market Role.

- Suppliers (Level 2) are granted access to their own submission data, including migration performance and schedules for their Supplier Group MPID.
- Agents (Level 3) access LDSO aggregated data filtered to include only their related Supplier MPIDs and-LDSO MPIDs.
- Higher-level participants (Level 4+), such as the MHHS Programme, Code Bodies, and Central Systems have progressively broader access, culminating in National Aggregate Data (Level 7).

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4.2 Report Levels

The Report Information Levels below outlines seven levels of access, ranging from full data visibility for the MCC to aggregated data views for national reporting purposes. Each level is tailored to the specific needs of different participants, ensuring that they only access the data necessary for their role and responsibilities.

Report Level	Description	Information Available
1	MCC Access only	Full data access, including all migration and performance data.
2	Supplier Submission Data, Plans, and Migration Performance	Suppliers have access to their own data, including baselined schedules and migration performance for their Supplier Group MPID.
3	Agent-Related Supplier-LDSO Aggregate	Aggregate demand view, aggregate performance view. LDSO aggregated data is filtered to include only the confirmed Supplier Group MPIDs associated with the specific Agent MPID (provided by Supplier) **NOTE**: Suppliers are required to provide a list of Agents they have, along with their Market Roles, that the MCC will be allowed to share aggregated plan and outturn data with. **NOTE**: The MCC will report by Supplier Group MPID and therefore their relationship may be with an individual Supplier MPID within the Supplier Group MPID.
4	MHHS Programme, Code Bodies, Central Systems	**All LDSO** aggregated data for migration reporting and analysis.
5	Smart Meter LDSO Aggregate	**All LDSO** aggregated data with migration **outturn filtered specifically for Smart Meter** migrations.
6	LDSO Aggregate	Aggregated migration data specific to a given **LDSO MPID**.
7	National Aggregate	Fully aggregated national-level migration data.

4.3 Report Consumers

The Report Consumers table maps the MCC roles and DIP market roles to their respective report levels. By combining their MCC Role Code with the relevant MPID, participants are granted access to data at the appropriate level.

MCC Role Code	Report Level	MCC Role	DIP Market Role	Market Participant Role Code
MCC	1,2,3,4,5,6,7	Migration Control Centre		
SUPP	2,4,5,6,7	Supplier	SUP	X
AGT	3,6,7	Metering Service Advanced	MSA	T
		Metering Service Smart	MSS	S
		Unmetered Data Service	UMSDS	Q
		Advanced Data Service	ADS	O
		Smart Data Service	SDS	N
		Meter Reading Service	MRS	
BSC	4,5,6,7	Balancing and Settlement Code	BSCCo	G
MHHS		MHHS Programme		
OFGM		Office of Gas and Electricity Markets		
REC		Retail Energy Code	RECCo	L
DCC	5,7	Data Communications Co.	DCC	
LDSO	6,7	Licenced Distribution System Operator	LDSO	R
NESO	7	National Energy System Operator		

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5 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. Updated each month in line with ISD publication.	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. Updated each month in line with EES MPAN data publication.	Supplier Portfolio Counts for each Supplier within each LDSO Region
DR-03	**Data Integration Platform (DIP)**	Messages and events supporting migration. Integration to provide daily updates of migration message counts.	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 NOTES: Elexon Helix data will be used to monitor the number of MPANs being Settled on actual data at each Settlement Run following M11. Monitoring will take account of accepted and rejected data flows, as well as lapsed appointments.
DR-04	**Programme Party Coordinator (PPC)**	The MHHS Programme body that coordinates and collects Programme Party data. Ad hoc updates	• 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 minimis Thresholds • Escalation Tolerances • Operational Incident Reporting: ○ Suppliers, Agents, SMRS/ LDSOs, DCC and CSS

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6 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. NOTE: The MCC will require operational updates from all participants if incidents have occurred or are expected to occur e.g. Planned outages. There is no formal structure required for reporting this information to the MCC. Operation reporting will be subject to ongoing conversations within TORWG, and the MCC requirement will form part of these contestations to avoid duplication.

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7 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 • NESO	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 Meter Point Count • MPAN Counts, 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: Migrated MPAN Count Non-Migrated Count in valid Migration Status? - Supplier meets Envelope Criteria for LDSO - Supplier 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 • Agent demand report based of view of agent allocation by LDSO provided by Suppliers	• MCC • LDSOs • Suppliers • Central Services • Registration Services • NESO • Agents (Agent demand report only)	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 Submitted Status • Actual Migration Initiations • Number of Completed Migrations • MCC Identified deviations including Threshold breaches	• MCC • Suppliers Summary/ Aggregated sanitised views for other Participants e.g. Central Services • Registration Services • LDSOs • NESO • DCC (daily aggregate report, filtered for smart initiations)	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. All migration appointment response code variation will be monitored.	• 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 • Service Providers Summary/ Aggregated sanitised views for other Participants e.g. • Central Services • NESO • Registration Services • LDSOs • DCC (Smart Meter)	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
RP-08	Unused Capacity Report	Operational Reports	Report Detailing the Unused Capacity available to Suppliers	• Sprint Id • LDSO MPID • Migration Date • Unused Capacity	• Suppliers • DCC (Aggregated View for Smart meteres)	Sprint Planning Phase and following Unused Capacity Request

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