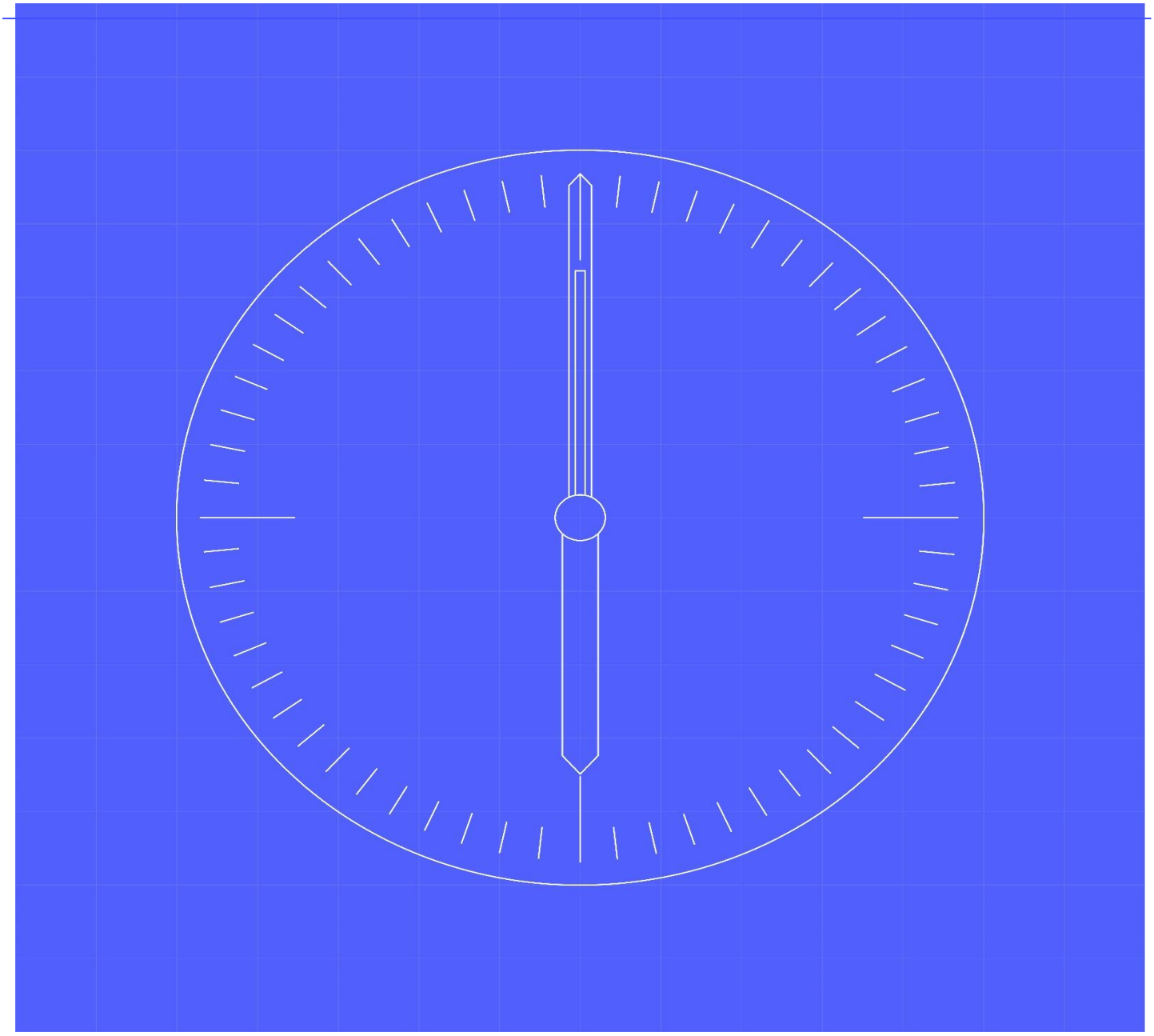
MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design Release Note
Interim Release.03
Release Date: 02-08-2023



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Final	**31/07/2023**	**Public**

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1.1 Change Record

Date	Author	Version	Change Detail
24/07/2023	Rob Topley	0.1	Initial Draft
31/07/2023	Rob Topley	1.0	Final

1.2 Reviewers

Reviewer	Role

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2 INTRODUCTION

These are the release notes for Interim Release 3 of the MHHS Design.

Use Release Notes to keep up with what's going on. Release notes provide a summary of what's new and what issues have been resolved within the design.

3 OVERVIEW

Here's what's new or updated within **Interim Release 3**

Improvements:

- CR15 (DIN243) for Off Peak Solution is included in this release
- DES138 Data Interface catalogue remains the most change impacted artefact for various interfaces and the validation rules

Fixes:

- A number of corrections have been applied for various process models, descriptions and requirements details

Further guidance on the Release.

Versioning:

Interim Releases are NOT a blanket updating of all the design artefacts and models to the next release number. Each Document artefact is separately version controlled and tracked. Interim releases are a collection of updated artefacts which are updated. The version number depends on the last revision of the artefact. Thus, an interim release will publish and consists of documents at different version numbers. Some documents contain multiple models, interfaces, or report definitions which each have a version number. The artefacts' own document version number may contain different objects at different version numbers depending on the changes made to the artefact.

Versions of design artefacts with tracked changes is available on the Red-Lined Design Artefacts page.

Design Models:

Design Models available on the collaboration are also updated in line with the published artefact models within the release. Design models now support relationship with requirements allowing users to drill from process through to requirements.

JSON/YAML:

JSON and YAML files published for V1.3 are in line with the latest version of the DES138 Data interface catalogue, these files will continue to be aligned with future releases.

3.1 Release Feedback

Any queries or feedback on this release or the contents of this release note please contact us via Design@MHHSprogramme.co.uk

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4 Impacted Artefacts

The following table contains a list and versions of design artefacts/documents which have been updated.

Artefact	Version Number	Theme	Impact
E2E001 – End-to-End Solution Architecture	V3.3	Supporting Documents	Additional Solution Design Details
MHHSP - ERI011A – ECS Reports - Internal	V5.2	Supporting Documents	Data Correction
MHHSP - ERI011B – ECS Reports - External	V5.2	Supporting Documents	Data Correction
MHHSP_EDI021_ISD_Entities	V5.2	Supporting Documents	Data Correction
MHHSP-BP003-Change of Service - Data Service	V5.3	MPAN Ownership	Process Correction
MHHSP-BP004-Data Collection	V5.1	MPAN Ownership	Process Correction
MHHSP-BP008-Change of Energisation	V5.1	Metering Changes	Process Correction
MHHSP-BP009-ChangeofMeter	V5.2	Metering Changes	Process Correction
MHHSP-BP010-Change of Registration Data	V5.2	Metering Changes	Process Correction
MHHSP-BP011-Change of ConType andor Mkt Segment	V5.3	Metering Changes	Process Correction
MHHSP-BPD009 – Change of Metering	V5.1	Business Process Description	Process Correction
MHHSP-BRS001-Data Service Requirements	V5.3	Supporting Documents	Requirement Correction
MHHSP-BRS002-Metering Service requirements	V5.2	Supporting Documents	Requirement Correction
MHHSP-BRS003-Registration Service requirements	V5.2	Supporting Documents	Requirement Correction
MHHSP-BRS004-Supplier Overview	V5.1	Supporting Documents	Requirement Correction
MHHSP-BRS005-LDSO Overview	V5.2	Supporting Documents	Requirement Correction
DES138-Interface Catalogue	V5.3.2	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
DES229-IF005_UseCaseGuide	V1.3	Supporting Documents	IF005 corrections
MHHSP-METH001_SDS_Validation_Estimation	V5.2	Supporting Documents	Statement Correction

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MHHSP_OPC001_Operational_Choreography	V5.2.6	Supporting Documents	Statement correction
JSON/YAML files	V1.3	Supporting Documents	Updated Swagger definitions
MHHS-DEL964 BPM-003 - Change of Service - Data Service - Forward Migration	V1.3	Migration Design	Process correction

5 Resolved Issues

All fixes Design Issue Notifications (DINs) and the Request for Change (RFCs) to MHHS Design since the last release that have been resolved in this release are included in the list below:

DIN/RFC Ref	Description	Status
MHHS-DIN-17	MAP History availability to Metering Service	Fixed
MHHS-DIN-70	Addition of MDR validation rule	Fixed
MHHS-DIN-87	Process clarification for meter removal and de-energisation on same job	Fixed
MHHS-DIN-94	IF-005 rejections	Fixed
MHHS-DIN-107	Update to definition of DI-301 LLF ID in the ESC Reporting Data Catalogue	Fixed
MHHS-DIN-154	IF-019 validation gap on primary and subsidiary MPAN	Fixed
MHHS-DIN-243	CR-015 E7/E10 Off Peak Consumption Solution	Fixed
MHHS-DIN-321	B005 add to IF-036	Fixed
MHHS-DIN-372	Mapping Roles	Fixed
MHHS-DIN-383	Change of Segment Scenario	Fixed
MHHS-DIN-384	IF-038 and IF-039 blocks not the same	Fixed
MHHS-DIN-391	IF-019 validation gap on principal and subsidiary MPAN	Fixed
MHHS-DIN-395	Obfuscation of Connection Type Indicator in IF-021	Fixed
MHHS-DIN-396	Update IF-019 REG1001 to only apply to Create and Add event codes	Fixed
MHHS-DIN-416	MIG-001 New App Scenario Code MCS (Migration Change of Supplier)	Fixed
MHHS-DIN-417	MIG-002 Validation Rules for Scenario MCS (Migration Change of Supplier)	Fixed
MHHS-DIN-418	MIG-003 New App Scenario Code MCA (Migration Change of Agent [Service Provider])	Fixed
MHHS-DIN-419	MIG-004 Validation Rules for Scenario MCA (Migration Change of Agent [Service Provider])	Fixed
MHHS-DIN-420	MIG-005 - IF-31 Check valid MHHS Supplier	Fixed
MHHS-DIN-421	MIG-006 - Prevent use of Migration Scenario IDs	Fixed
MHHS-DIN-422	MIG-007 Connection Type/Segment not yet Populated	Fixed
MHHS-DIN-423	MIG-008 Auto Realign Functionality	Fixed
MHHS-DIN-424	MPRS access to correlation ID	Fixed

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MHHS-DIN-430	MIG-12 New Val Rule for IF-019	Fixed
MHHS-DIN-433	MIG-015 Switch in Progress Mig Rejection	Fixed
MHHS-DIN-434	MIG-016 New IF-003	Fixed
MHHS-DIN-437	MIG-019 IF-005 Validation Rule	Fixed
MHHS-DIN-438	MIG-020 REGS Design Clarification	Fixed
MHHS-DIN-439	MIG-021 No Supplier Updates during Rev MIgration (IF-025)	Fixed
MHHS-DIN-440	MIG-022 No CDCs Updates during Rev MIgration (IF-038)	Fixed
MHHS-DIN-445	Spec of IF-024 in DES138 Interface Catalogue	Fixed
MHHS-DIN-447	Conditional Mandatory not applied in Swagger correctly	Fixed
MHHS-DIN-448	Mandatory fields not applied correctly in S1 block	Fixed
MHHS-DIN-449	Change to IF-037	Fixed
MHHS-DIN-450	Change to IF-005 Validation Rules	Fixed
MHHS-DIN-452	Refine Consent Checking Rules on IF-031	Fixed
MHHS-DIN-453	Issuing of IF-020's	Fixed
MHHS-DIN-454	Update to ISD M7	Fixed
MHHS-DIN-455	Update Op Choreography (Event Move from IF-013 to IF-014)	Fixed
MHHS-DIN-456	Swagger Correction - DI-844	Fixed
MHHS-DIN-458	New IF-019 Related MPAN Validation Rule	Fixed
MHHS-DIN-460	PIF-019 structure & Principle -> Principal	Fixed
MHHS-DIN-461	Misalignment between DES-138 and Swagger for DIP Connection Provider ID	Fixed
MHHS-DIN-462	Schema Optionality incorrectly defined for some Interfaces	Fixed
MHHS-DIN-463	No ability de-register from receiving Status messages in Swagger	Fixed
MHHS-DIN-464	Clarity required on values expected for /dip-channel/{id} for submitEvents on Swagger	Fixed
MHHS-DIN-465	Update to BP010 - Related MPANs	Fixed
MHHS-DIN-466	Change of MPAN Status during Service Provider Appointment Process.	Fixed
MHHS-DIN-468	Routing of IF-020	Fixed
MHHS-DIN-469	Removal of Z0 & Z1 data items in ERI011B - ECS Reports External	Fixed
MHHS-DIN-470	Clarity on nullable fields	Fixed
MHHS-DIN-471	Update to REP-003 in ERI011B - ECS Reports External	Fixed
MHHS-DIN-473	Definition of Network Operations	Fixed
MHHS-DIN-476	Inconsistency between enum fields and nullable definition	Fixed
MHHS-DIN-479	Change to Consent Notification on IF-036	Fixed
MHHS-DIN-480	Reverse DIN-105	Fixed
MHHS-DIN-495	Correction to BPM003	Fixed

Refer to published DIN log for further information on DINs listed.

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6 Unaffected Artefacts

The following table contains a list and latest version of design artefacts/documents which are under change control and have NOT been updated in this release.

Ref	Artefact	Version Number
MHHSP-BP001	Change of Supplier	5.00
MHHSP-BP002	Change of Service- Metering Service	5.2
MHHSP-BP003A	CSS and DCC Update	5.00
MHHSP-BP003B	Change of Existing Service Appointment Details	5.00
MHHSP-BP003C	Transfer of Reads - Change of Data Service	5.1
MHHSP-BP005	Data Processing	5.1
MHHSP-BP007	Disconnection	5.2
MHHSP-BP013	Demand Disconnection Events	5.00
MHHSP-BP016	Consumption Amendment	5.00
MHHSP - BP018	Load Shaping Service (ECS)	5.00
MHHSP - BP019	Market-wide Data Service (ECS)	5.00
MHHSP - BP020	Volume Allocation Service (ECS)	5.1
MHHSP-BP021	Industry Standing Data (ECS)	5.00
MHHSP-BPD001	Change of Supplier	5.00
MHHSP-BPD002	Change Of Metering Service	5.2
MHHSP-BPD003	Change Of Data Service	5.1
MHHSP-BPD003A	CSS and DCC updates	5.00
MHHSP-BPD003B	Change of Existing Service Appointment Details	5.00
MHHSP-BPD003C	Transfer of Reads COS_CODS	5.1
MHHSP-BPD004	Data Collection	5.00
MHHSP-BPD005	Data Processing	5.00
MHHSP-BPD007	Disconnection	5.2
MHHSP-BPD008	Change of Energisation Status	5.00
MHHSP-BPD010	Change of Registration Data	5.1.1
MHHSP-BPD011	Change of Con Type or Market Segment	5.1
MHHSP-BPD013	Demand Disconnection Events	5.00
MHHSP-BPD016	Consumption Amendment	5.00
MHHSP-BPD018	Load Shaping Service (ECS)	5.00
MHHSP-BPD019	Market-wide Data Service (ECS)	5.00
MHHSP-BPD020	Volume Allocation Service Business Process Descriptions	5.1.1
MHHSP-BPD021	Industry Standing Data (ECS)	5.00

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MHHSP-BRS006	EES & SDEP Requirements	5.00
MHHSP-BRS007	Load Shaping Service Requirements (ECS)	5.00
MHHSP-BRS008	Market-wide Data Service Requirements (ECS)	5.00
MHHSP-BRS009	Volume Allocation Service Requirements (ECS)	5.00
MHHSP-BRS010	Industry Standing Data Requirements (ECS)	5.00
MHHSP-BRS012	Annual Consumption Requirements	5.00
MHHSP-BRS013	Demand Disconnection Events Requirements (ECS)	5.00
MHHSP-BRS014	ECS Registration Data Archive Requirements	5.00
MHHSP-METH002	ADS_Validation_Estimation	5.1
MHHSP-METH004	UMSDS_EM_Functions	5.1
MHHSP-METH005	LSS Method Statement	5.00
MHHSP-METH006	VAS Method Statement	5.00
MHHSP-METH007	MDS Method Statement	5.00
MHHSP-METH008	DDE Method Statement	5.00
MHHSP-METH009	UMSO_Method_Statement	5.1
MHHSP-METH010	Annual Consumption	5.00
MHHSP-EM021	ISD Entity Map	5.00
MHHSP-DES052	Logical Data Model	5.00
MHHSP-DES203	Traceabiility Matrix	5.1
MHHS-E2E002	End to End Non Functional Requirements	3.01
MHHSP-DIP001	DIP Functional Specification	2.30
MHHS-DEL396 MHHSP-DIP002	DIP Non Functional Requirements	2.20
MHHSP-DIP-003	End to End Security Architecture	1.20
MHHSP-DIP-004	Cyber Security Connection Guidance	3.00
MHHSP-DIP-005	End to End Security Requirements	1.4
MHHSP-DIP-005	End to End Security Requirements - excel version	1.4
MHHS-DIP094	Interface Code of Connection - DRAFT word document	0.2
MHHS-DES141	FFIEC Cyber risk assessment tool - Excel spreadsheet	3.4
MHHS-DES001a	Functional Specification - Transaction Volumes - Appendix A	0.20
MHHSP-DES196	D-flow and Interface Mapping	1.0
MHHS-DEL961	Migration Design Document	1.0
MHHS-DEL974	Migration Design Requirements Log	1.0
MHHS-DEL962	BPM-001 - Change Of Supply - Forward Migration	1.0
MHHS-DEL963	BPM-002 - Change of Service - Metering Service - Forward Migration	1.2
MHHS-DEL968	BPD001 - Change of Supply (Forward Migration)	1.0

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MHHS-DEL969	BPD002 - Change of Service - Metering Service (Forward Migration)	1.2
MHHS-DEL970	BPD003 - Change of Service - Data Service (Forward Migration)	1.1
MHHS-DEL965	BPM-001 - Change Of Supply - Reverse Migration	1.0
MHHS-DEL966	BPM-002 - Change of Service - Metering Service - Reverse Migration	1.0
MHHS-DEL967	BPM-003 - Change of Service - Data Service - Reverse Migration	1.0
MHHS-DEL971	BPD001 - Change Of Supply - Reverse Migration	1.0
MHHS-DEL972	BPD002 - Change Of Metering Service - Reverse Migration	1.0
MHHS-DEL973	BPD003 - Change Of Data Service - Reverse Migration	1.0

7 Issues/Limitations

This section describes any known limitations and obstacles to the release and fixes implemented.

Certain artefacts cannot be change marked. Reference will be made to documents which identify where these changes exist within the artefacts. Artefact documents in PDF form will be issued with tracked changes on to highlight where the changes are in the document.

Certain artefacts do not include a version/change history record, change history section have been added in some cases and changes are tagged using comments to provide a reference of DIN changes made to the artefact. Within Excel while all changes are marked, not every cell is tagged with the DIN reference as it was not possible to tag groups of cells with a DIN ref.

Transition Design documents are not currently under design release, change and configuration control at this time.

8 Past Releases

Details of previous release please refer to the relevant release note for details:

Version Number	Release Date	Release type
5.0	21/02/2023	Baseline
5.1*	14/06/2023	Interim Release 1
5.2*	05/07/2023	Interim Release 2

* Various version numbering occurs on different documents for each release for details see previous release notes.

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