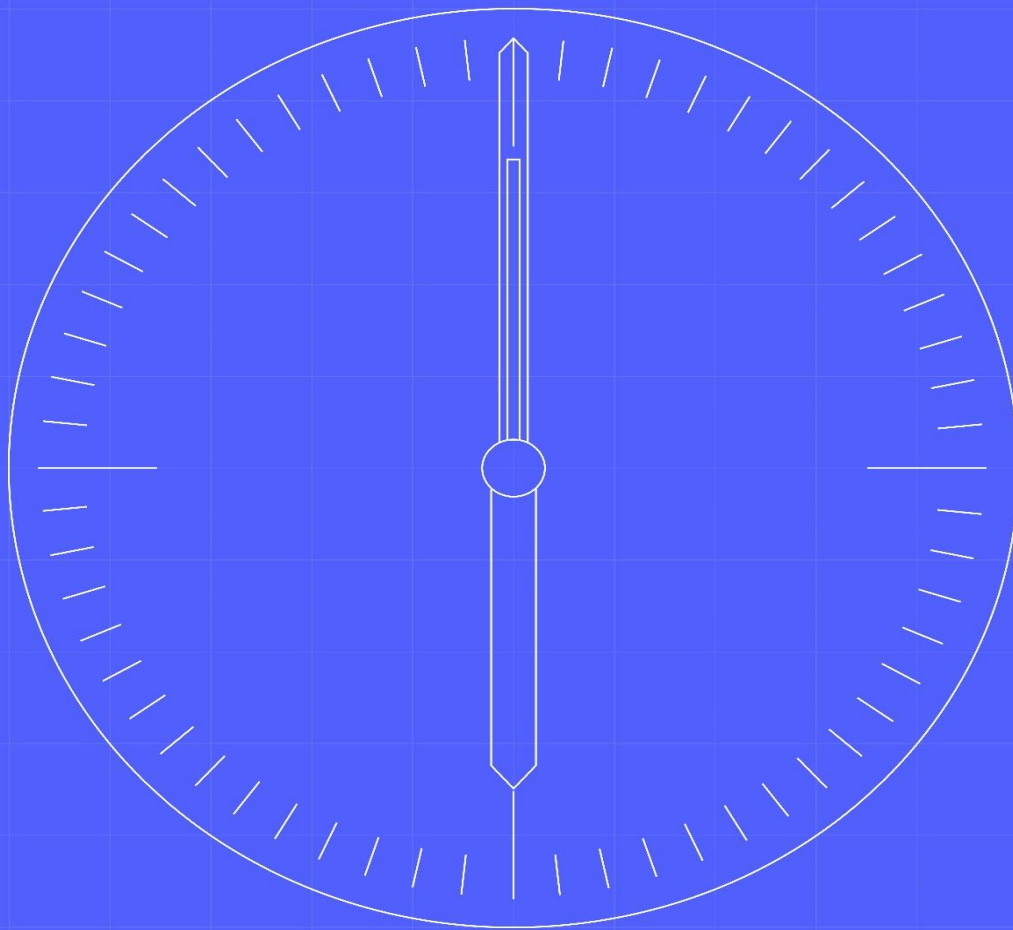




MHHS Design Release Note

Interim Release.04

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Document owner

Design Team

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Final

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V1.0

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Public



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1.1 Change Record

Date	Author	Version	Change Detail
15/08/2023	Rob Topley	0.1	Initial Draft
30/08/2023	Rob Topley	1.0	Final Version

1.2 Reviewers

Reviewer	Role

2 INTRODUCTION

These are the release notes for Interim Release 4 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 4**

Improvements:

- CR18 (DIN451) for Registration Service OOH Ops is included in this release
- Data and Interface changes to DES138 Data Interface catalogue and the Swagger definitions remains the most impacted artefact for this release
- ECS reports (ERI011A & B) have also had several corrections to improve

Fixes:

- A number of corrections have been applied for various process models, descriptions and method statement 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 V1.4 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

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	V3.4	Supporting Documents	Solution Design Correction
MHHSP - ERI011A – ECS Reports - Internal	V5.3	Supporting Documents	Data Correction
MHHSP - ERI011B – ECS Reports - External	V5.3	Supporting Documents	Data Correction
MHHSP-BP009-ChangeofMeter	V5.3	Metering Changes	Process Correction
MHHSP-BP010-Change of Registration Data	V5.3	MPAN Ownership	Process Correction
MHHSP-BP021 - Industry Standing Data (ECS)	V5.1	Meter to Bank	Process Correction
MHHSP-BPD009 – Change of Metering	V5.3	Business Process Description	Process Correction
MHHSP-BPD010 - Change of Registration Data	V5.2	Business Process Description	Process Correction
MHHSP-BPD021- Industry Standing Data Business Process Descriptions	V5.1	Business Process Description	Process Correction
MHHSP-BRS002-Metering Service requirements	V5.3	Supporting Documents	Requirement Correction
DES138-Interface Catalogue	V5.4.1	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
MHHSP-METH002_ADS_Validation_Estimation	V5.2	Supporting Documents	Statement correction
MHHSP-METH004_UMSDS_EM_Functions	V5.2	Supporting Documents	Statement correction
MHHSP-METH006_VAS_Method Statement	V5.1	Meter to Bank	Statement correction
MHHSP-METH007_MDS_Method_Statement	V5.1	Meter to Bank	Statement correction
MHHSP-METH010_Annual_Consumption	V5.1	Supporting Documents	Statement correction
MHHSP_OPC001_Operational_Choreography	V5.3	Supporting Documents	Statement correction
JSON/YAML files	V1.4	Supporting Documents	Updated Swagger definitions

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-298	Update to UMSDS method statement.	Fixed
MHHS-DIN-300	Clarification of rejection of IF-021	Fixed
MHHS-DIN-301	Clarification of rejection of IF-021	Fixed
MHHS-DIN-302	Clarification of rejection of IF-021	Fixed
MHHS-DIN-335	Four questions on IF004	Fixed
MHHS-DIN-359	AC Method Statement	Fixed
MHHS-DIN-360	AC Method Statement	Fixed
MHHS-DIN-361	Greater than or equal to change for UTC Period Consumption Data	Fixed
MHHS-DIN-362	Section Name change	Fixed
MHHS-DIN-390	IF/PUB-018	Fixed
MHHS-DIN-441	MIG-023 No AC Updates during Rev Migration (IF-040)	Fixed
MHHS-DIN-451	CR - 018 Registration Service OOH Ops	Fixed
MHHS-DIN-467	Review of IF-035/IF036 Data Item Obfuscation	Fixed
MHHS-DIN-474	Creation of new ECS data items and blocks across multiple reports and/or data catalogue	Fixed
MHHS-DIN-475	Update to block names, data items and descriptions	Fixed
MHHS-DIN-478	IF-021 max number of days of consumption data	Fixed
MHHS-DIN-485	Unable to identify Recipient on DELETE and some POST methods	Fixed
MHHS-DIN-486	DES138 and message addressing information	Fixed
MHHS-DIN-487	Clarity on schema vs data validation failures, with updated examples.	Fixed
MHHS-DIN-488	Correct Reporting Cat vs Swagger	Fixed
MHHS-DIN-489	Schema Optionality incorrectly defined for Common Block	Fixed
MHHS-DIN-493	Changes to IF-019 Secondary MPAN validation	Fixed
MHHS-DIN-503	S1.senderUniqueReference interface component is too small to identify the message interface	Fixed
MHHS-DIN-505	DUoS Tariff ID to hold values from 1-3 in length	Fixed
MHHS-DIN-506	Renaming of IF-014	Fixed
MHHS-DIN-507	Clarification of IF-036 Routing Requirements	Fixed
MHHS-DIN-508	Addition of MP Status and RMP Status Effective From Dates to IF-050	Fixed
MHHS-DIN-510	Properties on block B047	Fixed
MHHS-DIN-512	Amendments to Swagger and ECS data catalogue REP-002	Fixed
MHHS-DIN-513	Custom block correction REP-002	Fixed
MHHS-DIN-514	Amendments to Swagger and ECS data catalogue REP-002a	Fixed

MHHS-DIN-515	Custom block correction REP-002a	Fixed
MHHS-DIN-516	Update DI-300 with Minimum value REP-003	Fixed
MHHS-DIN-517	Update data item type in ECS data catalogue REP-003	Fixed
MHHS-DIN-518	Inclusion of Max/Min value for DI-496-REP-003	Fixed
MHHS-DIN-519	Max value change in swagger for DI-496	Fixed
MHHS-DIN-520	Update to DI-359 data type REP003	Fixed
MHHS-DIN-521	Update to DI-360 data type REP003	Fixed
MHHS-DIN-522	Update to DI-362 data type REP003	Fixed
MHHS-DIN-523	Update to DI-324 data type REP003	Fixed
MHHS-DIN-524	DI-363 missing from ECS data catalogue	Fixed
MHHS-DIN-525	Update to DI-364 data type in REP003	Fixed
MHHS-DIN-526	Update to DI-365 data type in REP003	Fixed
MHHS-DIN-527	Update to DI-366 data type in REP003	Fixed
MHHS-DIN-528	Update to DI-367 data type in REP003	Fixed
MHHS-DIN-529	Update to DI-368 data type in REP003	Fixed
MHHS-DIN-530	Wrong data item referenced in swagger	Fixed
MHHS-DIN-532	Wrong data item referenced in swagger	Fixed
MHHS-DIN-533	Update to DI-339 data type in REP-003	Fixed
MHHS-DIN-534	Update to DI-369 data type in REP-003	Fixed
MHHS-DIN-535	Update to DI-370 data type in REP-003	Fixed
MHHS-DIN-536	Update to DI-322 REP003	Fixed
MHHS-DIN-537	Update to DI-322 REP003	Fixed
MHHS-DIN-538	Update to DI-323 REP003	Fixed
MHHS-DIN-539	Update to DI-323 REP003	Fixed
MHHS-DIN-540	IF-13 run number	Fixed
MHHS-DIN-541	SSC and Profile Class validation	Fixed
MHHS-DIN-542	Update to DI-159 in data catalogue REP004	Fixed
MHHS-DIN-543	IHD, SMSO, SSC and Profile Class conditional validation	Fixed
MHHS-DIN-544	Level 4 Validation - Multiple response codes	Fixed
MHHS-DIN-545	Update to DI-496 data type REP004	Fixed
MHHS-DIN-546	Incorrect data item referenced in swagger- REP004	Fixed
MHHS-DIN-547	Missing data item in swagger	Fixed
MHHS-DIN-551	Update to DI-083	Fixed
MHHS-DIN-552	UTF-8 Encoding for JSON	Fixed
MHHS-DIN-555	Validation of MPID to DIP ID	Fixed
MHHS-DIN-556	Cumulative/Total Consumption Comparison	Fixed
MHHS-DIN-558	Update response codes in IF-035	Fixed

MHHS-DIN-559	Clarification of Appointment Scenario Code (Linked MPANs)	Fixed
MHHS-DIN-560	Design Gap on Sharing MTD in the Case of AutoAlignment of Service Providers	Fixed
MHHS-DIN-562	Clarification of IF-014 R0 Population for Event Code [ConsumptionOnDeEnergisedMPAN]	Fixed
MHHS-DIN-567	Mismatch between Swagger YAML definition in DES-138 and Swagger 1.4 - Swagger Incorrect	Fixed
MHHS-DIN-568	Mismatch between Swagger YAML definition in DES-138 and Swagger 1.4 - DES-138 incorrect	Fixed
MHHS-DIN-569	Mismatch between Swagger YAML definition in DES-138 and Swagger 1.4 - DES-138 incorrect	Fixed
MHHS-DIN-570	IF-021 validation rules	Fixed
MHHS-DIN-571	Inconsistency for DI-980 Response Message(s)	Fixed
MHHS-DIN-573	Update to step 40 of ISD BPM/BPD	Fixed
MHHS-DIN-577	DT-983 and DT-000 are missing IF-040 / PUB-040	Fixed
MHHS-DIN-584	DI-511 Change of Data Type from String to Number	Fixed
MHHS-DIN-585	Clarification on IF-024	Fixed
MHHS-DIN-586	Mis-alignment between D0 block YAML in Swagger and DES-138	Fixed
MHHS-DIN-597	IF-026 B069 Presence	Fixed
MHHS-DIN-613	Remove Reference to SP Appointment Start Time(s)	Fixed
MHHS-DIN-615	Number of Registers Validation	Fixed

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

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-BP003	Change of Service - Data Service	5.3
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-BP004	Data Collection	5.1
MHHSP-BP005	Data Processing	5.1
MHHSP-BP007	Disconnection	5.2
MHHSP-BP008	Change of Energisation	5.1
MHHSP-BP011	Change of ConType andor Mkt Segment	5.3
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-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-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-BRS001	Data Service Requirements	5.3
MHHSP-BRS003	Registration Service requirements	5.2
MHHSP-BRS004	Supplier Overview	5.1
MHHSP-BRS005	LDSO Overview	5.2
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-METH001	SDS_Validation_Estimation	5.2
MHHSP-METH005	LSS Method Statement	5.00
MHHSP-METH008	DDE Method Statement	5.00
MHHSP-METH009	UMSO_Method_Statement	5.1
MHHSP-EM021	ISD Entity Map	5.00
MHHSP-DES052	Logical Data Model	5.00
MHHSP-DES203	Traceability Matrix	5.1
MHHSP-DES229	IF005_UseCaseGuide	1.3
MHHS-E2E002	End to End Non Functional Requirements	3.01
MHHSP_EDI021	ISD_Entities	5.2
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-DEL964	BPM-003 - Change of Service - Data Service - Forward Migration	1.3
MHHS-DEL968	BPD001 - Change of Supply (Forward Migration)	1.0
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
5.3	02/08/2023	Interim Release 3

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