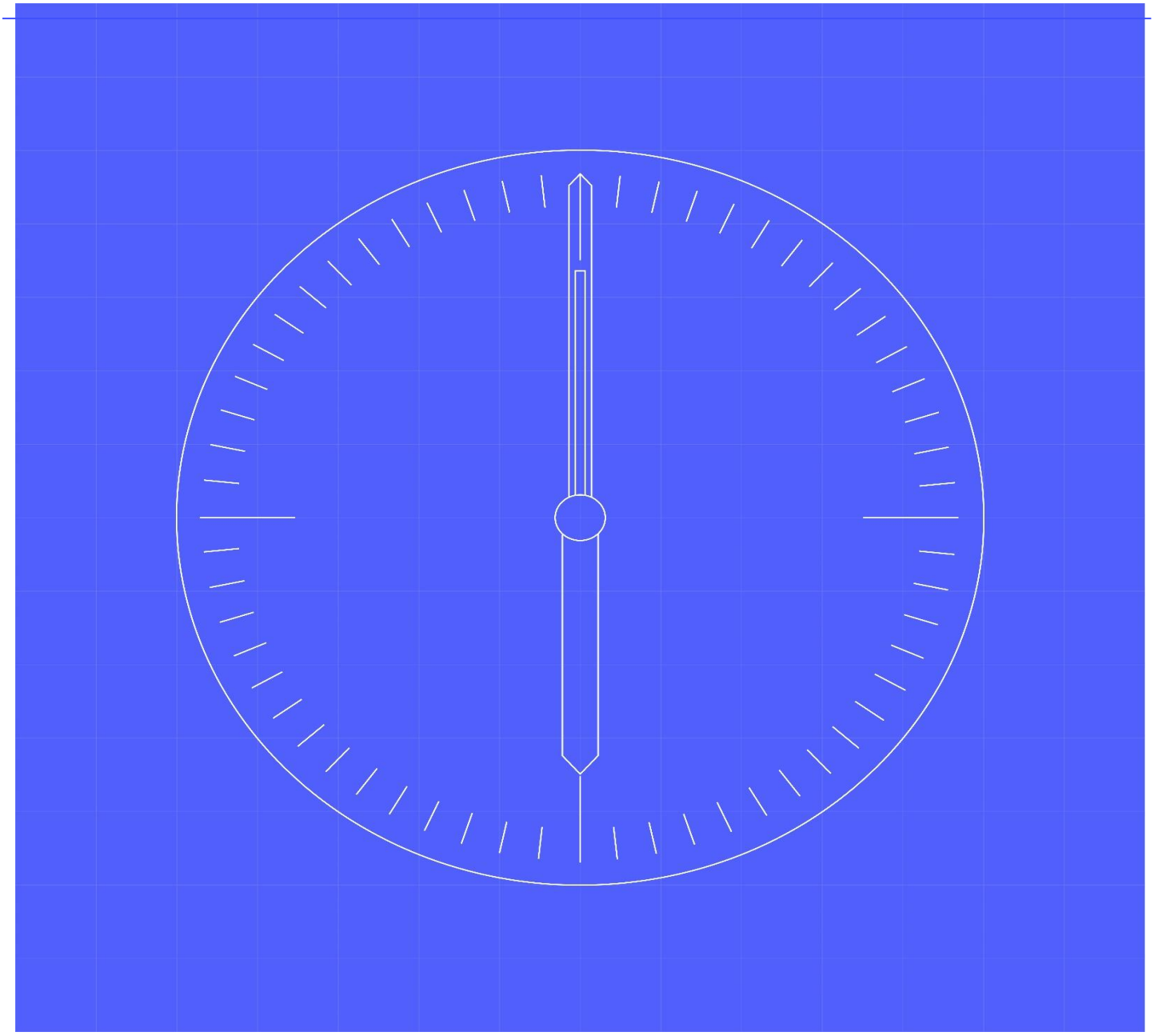
MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHS Design Release Note
Interim Release.02
Release Date: 05-07-2023



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1.1 Change Record

Date	Author	Version	Change Detail
26/06/2023	Rob Topley	0.1	Initial Draft
05/07/2023	Rob Topley	1.0	Final

1.2 Reviewers

Reviewer	Role

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2 INTRODUCTION

These are the release notes for Interim Release 2 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 2**

Improvements:

- Swagger JSON/YAML file definitions have been aligned with the latest version of DES138 Data interface Catalogue
- DES138 Data interface catalogue consistency has been improved routing rules and data field corrections identified

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 V1.2 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	V3.2	Supporting Documents	Additional Solution Design Details
MHHSP - BP020 - Volume Allocation Service (ECS)	V5.1	Meter to Bank	Process Correction
MHHSP - BPD020 - Volume Allocation Service Business Process Descriptions	V5.1.1	Meter to Bank	Process Correction
MHHSP_EDI021_ISD_Entities	V5.1	Supporting Documents	Data Correction
MHHSP_OPC001_Operational_Choreography	V5.1	Supporting Documents	Design Clarification
MHHSP-BP002-Change of Service- Metering Service	V5.2	MPAN Ownership	Process Correction
MHHSP-BP003-Change of Service - Data Service	V5.2	MPAN Ownership	Process Correction
MHHSP-BP003C-Transfer of Reads - Change of Data Service	V5.1	MPAN Ownership	Process Correction
MHHSP-BP007-Disconnection	V5.2	Metering Changes	Process Correction
MHHSP-BP009-ChangeofMeter	V5.1	Metering Changes	Process Correction
MHHSP-BP011-Change of ConType andor Mkt Segment	V5.2	Metering Changes	Process Correction
MHHSP-BPD002 - Change Of Metering Service	V5.2	MPAN Ownership	Process Correction
MHHSP-BPD003 - Change Of Data Service	V5.1	MPAN Ownership	Process Correction
MHHSP-BPD003C - Transfer of Reads COS_CODS	V5.1	MPAN Ownership	Process Correction
MHHSP-BPD007 - Disconnection	V5.2	Metering Changes	Process Correction
MHHSP-BPD011 - Change of Con Type or Market Segment	V5.1	Metering Changes	Process Correction
MHHSP-BRS001-Data Service Requirements	V5.2	Supporting Documents	Requirement Correction
DES138-Interface Catalogue	V5.2.1	Meter to Bank, Metering Changes, MPAN Ownership	Routing rules and other Interface

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			corrections
DES229-IF005_UseCaseGuide	V1.2	Supporting Documents	IF005 corrections
MHHSP-METH001_SDS_Validation_Estimation	V5.1	Supporting Documents	Statement Correction
MHHSP-METH002_ADS_Validation_Estimation	V5.1	Supporting Documents	Statement Correction
MHHSP-METH004_UMSDS_EM_Functions	V5.1	Supporting Documents	Statement Correction
MHHSP-METH009_UMSO_Method_Statement	V5.1	Supporting Documents	Statement Correction
JSON/YAML files	V1.2	Supporting Documents	Updated Swagger definitions
MHHS-DEL963 BPM-002 - Change of Service - Metering Service - Forward Migration	v1.2	Migration Design	Process correction
MHHS-DEL964 BPM-003 - Change of Service - Data Service - Forward Migration	v1.2	Migration Design	Process correction
MHHS-DEL969 BPD002 - Change of Service - Metering Service (Forward Migration)	V1.2	Migration Design	Process correction
MHHS-DEL970 BPD003 - Change of Service - Data Service (Forward Migration)	v1.1	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-81	Correction of step in BP020	Fixed
MHHS-DIN-82	Missing listed number of reports in BPD002	Fixed
MHHS-DIN-83	BP011 missing PUB-044 flow	Fixed
MHHS-DIN-84	DES-138 IF List Tab Consistency	Fixed
MHHS-DIN-93	Work off Plan D-034D updates for exceptions to Unmetered Supplies	Fixed
MHHS-DIN-97	Missing wording in MHHS-METH001 in section 5.4	Fixed
MHHS-DIN-98	Missing wording in MHHS-METH001 in section 5.5	Fixed
MHHS-DIN-99	Working days correction	Fixed
MHHS-DIN-100	BP002 to include LDSO as recipient	Fixed
MHHS-DIN-105	Related MPAN Business Rules	Fixed
MHHS-DIN-106	IF Routing	Fixed

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MHHS-DIN-108	IF Routing	Fixed
MHHS-DIN-125	IF Routing	Fixed
MHHS-DIN-159	Interfaces for UMSO	Fixed
MHHS-DIN-160	BP009 flow addition	Fixed
MHHS-DIN-163	Conditionality Rule for B037	Fixed
MHHS-DIN-202	Operational Choreography 60 minute turnaround	Fixed
MHHS-DIN-203	mapping of Estimation Reason Codes to estimation Methods	Fixed
MHHS-DIN-204	De-energised sites	Fixed
MHHS-DIN-205	Removal of Estimation Reason Code "Disconnected"	Fixed
MHHS-DIN-245	Transaction ID and Correlation ID increase field length to 60	Fixed
MHHS-DIN-250	Participant ID 10 digit number	Fixed
MHHS-DIN-251	IF-041 Population	Fixed
MHHS-DIN-255	Consumption on De-Energised MPAN (IF-013/IF-014)	Fixed
MHHS-DIN-256	IF-014 Block B067	Fixed
MHHS-DIN-259	BP003C correction	Fixed
MHHS-DIN-261	Swagger Alignment to DES-138	Fixed
MHHS-DIN-262	Swagger Alignment to DES-138	Fixed
MHHS-DIN-263	Swagger Alignment to DES-138	Fixed
MHHS-DIN-267	RegX Validation Issue	Fixed
MHHS-DIN-268	Secondary Routing	Fixed
MHHS-DIN-269	Swagger Alignment to DES-138	Fixed
MHHS-DIN-270	Correlation ID	Fixed
MHHS-DIN-271	Swagger Alignment to DES-138	Fixed
MHHS-DIN-273	New MSN Data Type	Fixed
MHHS-DIN-274	Swagger Alignment to DES-138	Fixed
MHHS-DIN-275	Swagger Alignment to DES-138	Fixed
MHHS-DIN-276	Data Classifications	Fixed
MHHS-DIN-277	Data Owners in Data Catalogue	Fixed
MHHS-DIN-281	BP003 IF-35 flow	Fixed
MHHS-DIN-282	Status code removal	Fixed
MHHS-DIN-283	ID Capitalisation	Fixed
MHHS-DIN-284	HTTP Response Code	Fixed
MHHS-DIN-289	Interfaces for consumption replay	Fixed
MHHS-DIN-292	ISD Entity M17	Fixed
MHHS-DIN-294	BP007 PUB009 flow	Fixed
MHHS-DIN-295	L1/L2 Error Codes	Fixed
MHHS-DIN-308	S0 Block required property	Fixed

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MHHS-DIN-309	Swagger Alignment to DES-138	Fixed
MHHS-DIN-311	Swagger Alignment to DES-138	Fixed
MHHS-DIN-312	Swagger Alignment to DES-138	Fixed
MHHS-DIN-313	Swagger Alignment to DES-138	Fixed
MHHS-DIN-314	Swagger Alignment to DES-138	Fixed
MHHS-DIN-315	Swagger Alignment to DES-138	Fixed
MHHS-DIN-316	Swagger Alignment to DES-138	Fixed
MHHS-DIN-319	Swagger Alignment to DES-138	Fixed
MHHS-DIN-320	Swagger Alignment to DES-138	Fixed
MHHS-DIN-322	Swagger Alignment to DES-138	Fixed
MHHS-DIN-323	Swagger Alignment to DES-138	Fixed
MHHS-DIN-325	Status Code Missing from MsgBody	Fixed
MHHS-DIN-327	IF-005 User Guide	Fixed
MHHS-DIN-331	Secondary Routing	Fixed
MHHS-DIN-332	IF-013 Routing	Fixed
MHHS-DIN-333	Connection Type Required to Support Routing of IF-014	Fixed
MHHS-DIN-335	Four questions on IF004	Fixed
MHHS-DIN-337	Swagger alignment to DES-138	Fixed
MHHS-DIN-341	MUM Event not required by MDS	Fixed
MHHS-DIN-343	Routing rules table	Fixed
MHHS-DIN-344	Swagger Alignment to DES-138	Fixed
MHHS-DIN-345	Swagger Alignment to DES-138	Fixed
MHHS-DIN-347	Swagger Alignment to DES-138	Fixed
MHHS-DIN-348	IF002 correction	Fixed
MHHS-DIN-349	Correlation ID Issue IF-006	Fixed
MHHS-DIN-350	Swagger Alignment to DES-138	Fixed
MHHS-DIN-351	Swagger Alignment to DES-138	Fixed
MHHS-DIN-353	Swagger Alignment to DES-138	Fixed
MHHS-DIN-355	Number of Register Digits	Fixed
MHHS-DIN-356	Swagger Alignment to DES-138	Fixed
MHHS-DIN-357	Swagger Alignment to DES-138	Fixed
MHHS-DIN-358	Swagger Alignment to DES-138	Fixed
MHHS-DIN-364	Swagger Alignment to DES-138	Fixed
MHHS-DIN-365	Swagger Alignment to DES-138	Fixed
MHHS-DIN-366	Swagger Alignment to DES-138	Fixed
MHHS-DIN-367	Swagger Alignment to DES-138	Fixed
MHHS-DIN-368	Swagger Alignment to DES-138	Fixed

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MHHS-DIN-369	Switch Cancellation Info Note	Fixed
MHHS-DIN-370	IF-005 Update Window Guidance for Prev MS	Fixed
MHHS-DIN-374	Message Replay & Requeue functionality	Fixed
MHHS-DIN-375	Interface webhook configuration	Fixed
MHHS-DIN-376	Swagger Alignment to DES-138	Fixed
MHHS-DIN-378	Swagger Alignment to DES-138	Fixed
MHHS-DIN-382	D0010	Fixed
MHHS-DIN-385	Correlation ID	Fixed
MHHS-DIN-392	Consent Fields	Fixed
MHHS-DIN-394	Annual Consumption Fields	Fixed
MHHS-DIN-400	REGS Validation Rule Clarification	Fixed
MHHS-DIN-401	IHD/SMSO Fields	Fixed
MHHS-DIN-402	Import/Export Fields	Fixed
MHHS-DIN-403	Meter Manufacturer Field	Fixed
MHHS-DIN-404	Proposed Appointment Response Code Field	Fixed
MHHS-DIN-405	Response Message Field	Fixed
MHHS-DIN-406	Sender DIP ID Field	Fixed
MHHS-DIN-410	DI-487 definition incorrect for REP-002 on Swagger	Fixed
MHHS-DIN-415	Routing IF-026 to LSS	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-BP003A	CSS and DCC Update	5.00
MHHSP-BP003B	Change of Existing Service Appointment Details	5.00
MHHSP-BP004	Data Collection	5.00
MHHSP-BP005	Data Processing	5.01
MHHSP-BP008	Change of Energisation Status	5.00
MHHSP-BP010	Change of Registration Data	5.1.1
MHHSP - BP013	Demand Disconnection Events	5.00
MHHSP-BP016	Consumption Amendment	5.00
MHHSP - BP018	Load Shaping Service (ECS)	5.00

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MHHSP - BP019	Market-wide Data Service (ECS)	5.00
MHHSP-BP021	Industry Standing Data (ECS)	5.00
MHHSP-BPD001	Change of Supplier	5.00
MHHSP-BPD003A	CSS and DCC updates	5.00
MHHSP-BPD003B	Change of Existing Service Appointment Details	5.00
MHHSP-BPD004	Data Collection	5.00
MHHSP-BPD005	Data Processing	5.00
MHHSP-BPD008	Change of Energisation Status	5.00
MHHSP-BPD009	Change of Metering	5.00
MHHSP-BPD010	Change of Registration Data	5.1.1
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-BPD021	Industry Standing Data (ECS)	5.00
MHHSP-BRS002	Metering Services Requirements	5.01
MHHSP-BRS003	Registration Service Requirements	5.1.2
MHHSP-BRS004	Supplier Requirements Overview	5.00
MHHSP-BRS005	LDSO Requirements Overview	5.01
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-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-METH010	Annual Consumption	5.00
MHHSP-ERI011A	ECS Reports- Internal	5.1.1
MHHSP-ERI011B	ECS Reports- External	5.01
MHHSP-EM021	ISD Entity Map	5.00
MHHSP-DES052	Logical Data Model	5.00
MHHSP-DES203	Traceabiility Matrix	5.01

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MHHS-E2E002	End to End Non Functional Requirements	3.01
MHHSP-DIP001	DIP Functional Specification	2.20
MHHS-DEL396 MHHSP-DIP002	DIP Non Functional Requirements	2.30
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-FFIEC-Cyber-Assessment-Tool-3.4	Cyber risk assessment - Excel spreadsheet	3.4
MHHS-DES001a	Functional Specification - Transaction Volumes - Appendix A	0.20
MHHSP-DES196	D-flow and Interface Mapping	0.3
MHHS-DEL960	Migration Design Document	v1.0
MHHS-DEL973	Migration Design Requirements Log	v1.0
MHHS-DEL962	BPM-001 - Change Of Supply - Forward Migration	v1.0
MHHS-DEL968	BPD001 - Change of Supply (Forward Migration)	v1.0
MHHS-DEL965	BPM-001 - Change Of Supply - Reverse Migration	v1.0
MHHS-DEL966	BPM-002 - Change of Service - Metering Service - Reverse Migration	v1.0
MHHS-DEL967	BPM-003 - Change of Service - Data Service - Reverse Migration	v1.0
MHHS-DEL971	BPD001 - Change Of Supply - Reverse Migration	v1.0
MHHS-DEL972	BPD002 - Change Of Metering Service - Reverse Migration	v1.0
MHHS-DEL973	BPD003 - Change Of Data Service - Reverse Migration	v1.0

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.

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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

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

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