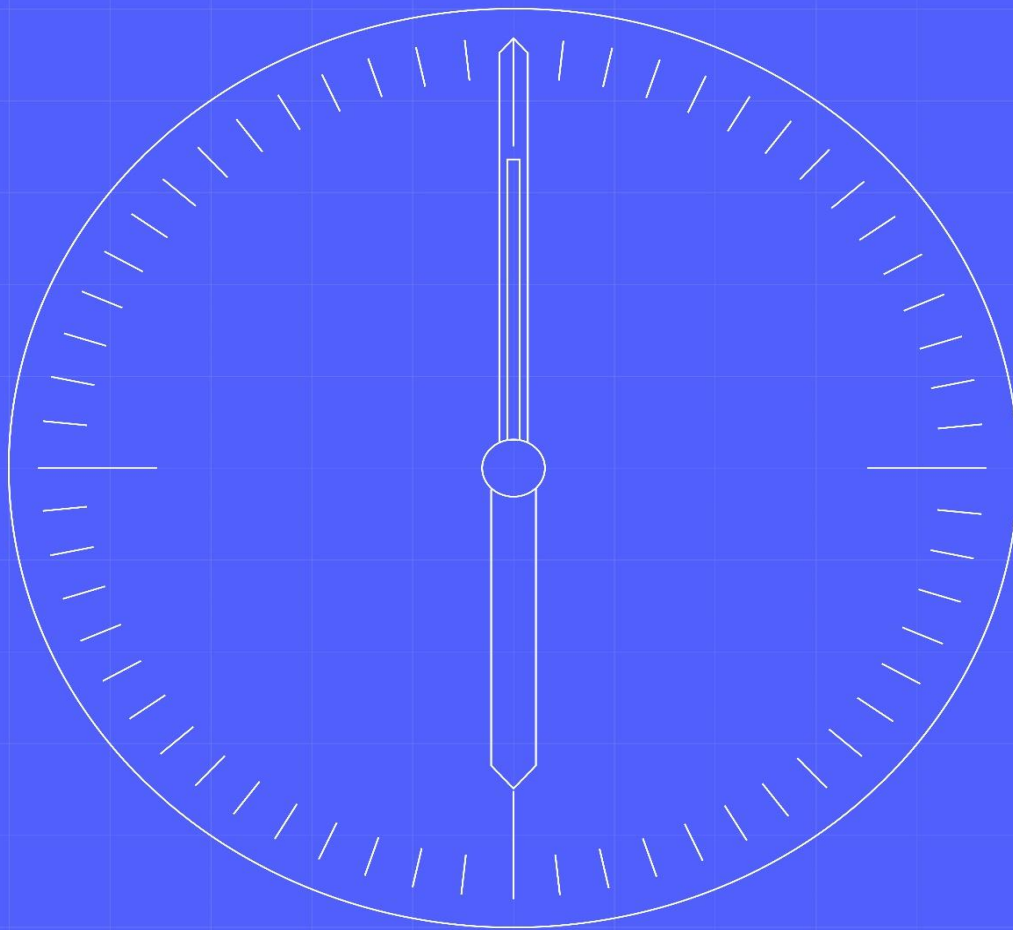


MHHS Design Release Note

Interim Release 8.3

Release Date: 18 Sept 2024



Document owner

Design Team

Status:

Final

Document number

DEL1275

Date

18/08/2024

Version

V1.0

Classification

Public

1 Contents

1	Contents	1
1.1	Change Record	2
1.2	Reviewers	2
2	INTRODUCTION	3
3	OVERVIEW	3
3.1	Release Feedback	4
4	Impacted Artefacts	5
5	Resolved Issues	6
	Additional Change information	7
6	Issues/Limitations	10
7	Past Releases	10

1.1 Change Record

Date	Author	Version	Change Detail
21/08/2024	Design Team	0.1	Initial Draft
18/09/2024	Design Team	1.0	Final

1.2 Reviewers

Reviewer	Role

2 INTRODUCTION

These are the release notes for Interim Release 8.3 of the MHHS Design.

Use Release Notes to keep up with what's going on especially with regard to the changes in Swagger. Release notes provide a summary of what issues have been resolved within the design.

3 OVERVIEW

Here's what's new or updated within **Interim Release 8.3**

Improvements:

- Changes to correct Swagger
- Changes to DES138
- Changes to various other artefacts that includes, but not limited to: ECS Reports and E2E Non-functional requirements.

Alignment Guidance:

- All Programme participants should use reasonable endeavours to align SIT-B systems to IR8.3 by 7 October, to re-commence Settlement Testing.
- If Programme participants are unable to do so, please use IR8.2 and update to IR8.3 as soon as possible, at a suitable point prior to 21 October (for SIT-A alignment)
- The Data Integration Platform (DIP) will be operating aligned to IR8.2 in SIT-B as of 7 October and updated to IR8.3 for 21 October, aligned to SIT-A

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.

Below are the Design Interim Releases and their corresponding Swagger Versions, including the dates of publication and the upliftment of the DIP Simulator to the related Interim Release. Additionally, there is a column to indicate the effective date of each Interim Release during Systems Integration Testing.

Interim Release	Design Interim Release Published	DES138 Version	Swagger Version	SIT Effective from Date	DIP Simulator Uplifted
IR2	05-Jul-23	5.2.1	1.2	30-Oct-23	11-Aug-23
IR2.1	11-Oct-23	5.2.2	1.2.1	30-Oct-23	20-Oct-23
IR2.2	08-Nov-23	5.2.2	1.2.2	08-Nov-23	08-Nov-23
IR2.3	29-Nov-23	5.2.2	1.2.3	20-Dec-23	15-Dec-23
IR3	02-Aug-23	5.3.2	1.3	11-Mar-24	03-Nov-23
IR4	30-Aug-23	5.4.1	1.4	11-Mar-24	03-Nov-23
IR5	04-Oct-23	5.5.2	1.5	11-Mar-24	03-Nov-23
IR5.1	17-Oct-23	5.5.3	1.5.1	11-Mar-24	03-Nov-23
IR5.2	14-Dec-23	5.5.4	1.5.2	11-Mar-24	05-Jan-24

IR5.3	17-Jan-24	5.5.4	1.5.3	11-Mar-24	26-Jan-24
IR5.4	07-Feb-24	5.5.5	1.5.4	SIT start date for participant	09-Feb-24
IR5.5	03-Apr-24	5.5.6	1.5.5	To be advised by SIT Release Manager	19-Apr-24
IR6	01-Nov-23	5.6.1	1.6	10-Jun-24	22-Mar-24
IR7	31-Jan-24	5.7.1	1.7	10-Jun-24	22-Mar-24
IR7.1	06-Mar-24	5.7.2	1.7.1	10-Jun-24	22-Mar-24
IR7.2	03-Apr-24	5.7.3	1.7.2	10-Jun-24	TBC
IR8	03-Apr-24	5.8.1	1.8	02-Sep-24	21-Jun-24
IR8.1	12-Jun-24	5.8.2	1.8.1	02-Sep-2024	TBC
IR8.2	21-Aug-24	5.8.3	1.8.2	21-Oct-24	TBC
IR8.3	18-Sept-24	5.8.4	1.8.3	TBC	TBC

The following table provide the version of the swagger definitions for the IFs & REPs against each interim release:

Release	IF-001 to IF050	IF-061 to IF065	REPs
IR 8.3	011	011	008
IR 8.2	011	011	008
IR 8.1	011	011	008
IR 8	011	002	008
IR 7.x	010	001	007
IR 6	009	-	006
IR 5.x	008	-	005

Design Models:

Design Models available on the collaboration are also updated in line with the published artefact models within the release.

JSON/YAML:

JSON and YAML files published for V1.8.3 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

4 Impacted Artefacts

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

Artefact	Version Number	Theme	Impact
DES-138 - Interface Catalogue	V5.8.4	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
E2E002 – Requirements	V3.5	Supporting Documents	Solution Design Correction
ERI011B – ECS Reports - External	V5.9	Supporting Documents	Data Items Correction
MHHSPROGRAMME-DataCatalogue-1.8.3-domain.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataCatalogue-1.8.3-domain.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataTypes-1.8.3-domain.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataTypes-1.8.3-domain.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-CommonBlocks-1.8.3-domain.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-CommonBlocks-1.8.3-domain.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-Reports-1.8.3-domain.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-Reports-1.8.3-domain.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.8.3-domain.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.8.3-domain.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.3-resolved.json	V1.8.3	Supporting Documents	Updated Swagger definitions

MHHSPROGRAMME-SubmitEvents-1.8.3-resolved.yaml	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.3-swagger.json	V1.8.3	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.3-swagger.yaml	V1.8.3	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-1113	REP-901 Error in the swagger Regex pattern	Fixed
MHHS-DIN-1114	Clarification On Boolean definitions	Fixed
MHHS-DIN-1115	DI-988 Replay Indicator Amend to Mandatory No Nulls to align with DIN-1114	Fixed
MHHS-DIN-1116	CR054 Updates to Non-Functional Requirement	Fixed
MHHS-DIN-1117	Duplicate consumption data for LSS and MDS roles	Fixed
MHHS-DIN-1119	GSP Group ID & LDSOBillingSiteID should be mandated for the R900-03 block	Fixed
MHHS-DIN-1120	Duplicate DT033 – move DT-033-Email to DT-036-Email	Fixed
MHHS-DIN-1123	Removal of Obfuscation for IF-035 [IMS-SendMTD] in DI-800	Fixed

Refer to additional change information below and the published DIN log for further information on DINs listed.

Additional Change information

5.1.1 MHHS-DIN-1113

Description of change: REP-901 Error in the swagger Regex patterns

Update the regex pattern for DT-032-Decimal-14-2, DT-031-Positive-Decimal-2-2 and DT-033N-Decimal-15-5 (unused at present)

Before change:

```
521 DT-032-Decimal-14-2:
522 # description: Number (14,2) format
523 type: string
524 nullable: False
525 pattern: ^\d{1,14}\.\d{2}$
526 example: -10987654321.12
527
```

```
508 DT-031-Positive-Decimal-2-2:
509 description: Number (2,2) format
510 type: string
511 pattern: ^-?\d{1,2}\.\d{2}$
512 example: 12.34
513
```

```
541 DT-033N-Decimal-15-5:
542 description: Number (15,5) format
543 type: string
544 nullable: true
545 pattern: ^-?[0-9]\d{14}(\.\d{5})?
546 example: -21987654321.12
547
```

After change:

```
521 DT-032-Decimal-14-2:
522 # description: Number (14,2) format
523 type: string
524 nullable: False
525 pattern: ^-?\d{1,14}\.\d{2}$
526 example: -10987654321.12
527
```

```
508 DT-031-Positive-Decimal-2-2:
509 description: Number (2,2) format
510 type: string
511 pattern: ^\d{1,2}\.\d{2}$
512 example: 12.34
513
```

```
541 DT-033N-Decimal-15-5:
542 description: Number (15,5) format
543 type: string
544 nullable: true
545 pattern: ^-?\d{1,15}\.\d{5}$
546 example: -21987654321.12
547
```

5.1.2 MHHS-DIN-1114

Description of change: Clarifications on Booleans

Correct Boolean examples to be lower case for: DI-021, DI-022, DI-030, DI-837

5.1.3 MHHS-DIN-1115

Description of change: Replay Indicator marked as not nullable

Before change:

```
2469 DI-988-Replay-Indicator:
2470 description: Set by the DIP to denote that a txn is being replayed
2471 type: boolean
2472
```

After Change:

```
2469 DI-988-Replay-Indicator:
2470 description: Set by the DIP to denote that a txn is being replayed
2471 nullable: false
2472 type: boolean
2473
```


5.1.4 MHHS-DIN-1119

Description of change: GSP Group ID & LDSOBillingSiteID should be mandated for the for the R900-03 block

Before change (v1.8.2) :

```
1228      required:
1229 # removed - LDSOBillingAccountReference
1230 # move - DUoStariffID
1231 # - LDSOBillingSiteID
1232 # #DIN-771 / 845
1233 # - listOfMPANsonSite
1234 # - misalignedMultiMPANSite
1235 # - LDSOBillingSiteCapacity
1236 - LDSOBillingSiteAddressLine1
1237 - LDSOBillingSiteAddressLine2
1238 - LDSOBillingSiteAddressLine3
1239 - LDSOBillingSiteAddressLine4
1240 - LDSOBillingSiteAddressLine5
1241 - LDSOBillingSiteAddressLine6
1242 - LDSOBillingSiteAddressLine7
1243 - LDSOBillingSiteAddressLine8
1244 - LDSOBillingSiteAddressLine9
1245 - LDSOBillingSitePostCode
1246
1247
```

After Change: (v1.8.3)

```
1229      required:
1230 #
1231 # DIN-1119
1232 - GSPGroupID
1233 - LDSOBillingSiteID
1234 - LDSOBillingSiteAddressLine1
1235 - LDSOBillingSiteAddressLine2
1236 - LDSOBillingSiteAddressLine3
1237 - LDSOBillingSiteAddressLine4
1238 - LDSOBillingSiteAddressLine5
1239 - LDSOBillingSiteAddressLine6
1240 - LDSOBillingSiteAddressLine7
1241 - LDSOBillingSiteAddressLine8
1242 - LDSOBillingSiteAddressLine9
1243 - LDSOBillingSitePostCode
1244
```

5.1.5 MHHS-DIN-1120

Description of change: Duplicate DT-033

There are two DT-033s defined in the Data Type Catalogue: DT-033-Decimal-15-5 & DT-033-Email. DT-033 E-mail will moved to DT-036

Before change:

DataTypes (v1.8.2)

```
552 DT-033N-Email:
553   description: E-mail address
554   type: string
555   nullable: true
556   minLength: 1
557   maxLength: 100
558   example: 'important.person@gmail.com'
559
560 DT-033-Email:
561   description: E-mail address
562   type: string
563   format: email
564   minLength: 1
565   maxLength: 100
566   example: 'important.person@gmail.com'
567
```

DataCatalogue (v1.8.2)

```
1733 DT-033-Distributor-Billing-Email:
1734 # description : Distributor Billing Email
1735 $ref: "https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataTypes/1.8.3#/components/schemas/DT-033-Email"
1736
```

After Change:

DataTypes (v1.8.3)

```
574 DT-036N-Email:
575   description: E-mail address
576   type: string
577   nullable: true
578   minLength: 1
579   maxLength: 100
580   example: 'important.person@gmail.com'
581
582 DT-036-Email:
583   description: E-mail address
584   type: string
585   format: email
586   minLength: 1
587   maxLength: 100
588   example: 'important.person@gmail.com'
589
```

DataCatalogue (v1.8.3)

```
1733 DT-033-Distributor-Billing-Email:
1734 # description : Distributor Billing Email
1735 $ref: "https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataTypes/1.8.3#/components/schemas/DT-036-Email"
1736
```

5.1.6 MHHS-DIN-1123

Description of change: Removal of Obfuscation for IF-035 [IMS-SendMTD] in DI-800

Before change:

After Change:

DataCatalogue (v1.8.2)

DataCatalogue (v1.8.3)

```
2149 DI-800-Appointment-Scenario:
2150 description : Code used to identify t
2151 type : string
2152 maxLength : 3
2153 example : COS
2154 enum:
2155 - COS # Change of Supplier
2156 - CSP # Change of SP
2157 - USP # Update existing SP App
2158 - SEG # Change of ConnType or MkS
2159 - MCA # Migration Change of Agent
2160 - MCS # Migration Cange of Suppli
2161 - ALG # Auto Alignment
2162 - xxx # Obfuscated value #DIN-858
2163
```

```
2149 DI-800-Appointment-Scenario:
2150 description : Code used to identify the sc
2151 type : string
2152 maxLength : 3
2153 example : COS
2154 enum:
2155 - COS # Change of Supplier
2156 - CSP # Change of SP
2157 - USP # Update existing SP App
2158 - SEG # Change of ConnType or MkSeg
2159 - MCA # Migration Change of Agent
2160 - MCS # Migration Cange of Supplier
2161 - ALG # Auto Alignment
2162 # - xxx # Obfuscated value #DIN-858 # D
2163
```

6 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.

7 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
5.4	30/08/2023	Interim Release 4
5.5	04/10/2023	Interim Release 5
5.2.1	11/10/2023	Interim Release 2.1
5.5.1	17/10/2023	Interim Release 5.1
5.6	01/11/2023	Interim Release 6
5.2.2	11/11/2023	Interim Release 2.2
5.2.3	29/11/2023	Interim Release 2.3
5.5.2	13/12/2023	Interim Release 5.2
5.5.3	17/01/2024	Interim Release 5.3
5.7	31/01/2024	Interim Release 7
5.5.4	07/02/2024	Interim Release 5.4
5.7.1	06/03/2024	Interim Release 7.1
5.5.5	03/04/2024	Interim Release 5.5
5.7.2	03/04/2024	Interim Release 7.2
5.8	03/04/2024	Interim Release 8
5.7.3	08/05/2024	Interim Release 7.3
5.8.1	12/06/2024	Interim Release 8.1
5.8.2	21/08/2024	Interim Release 8.2

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