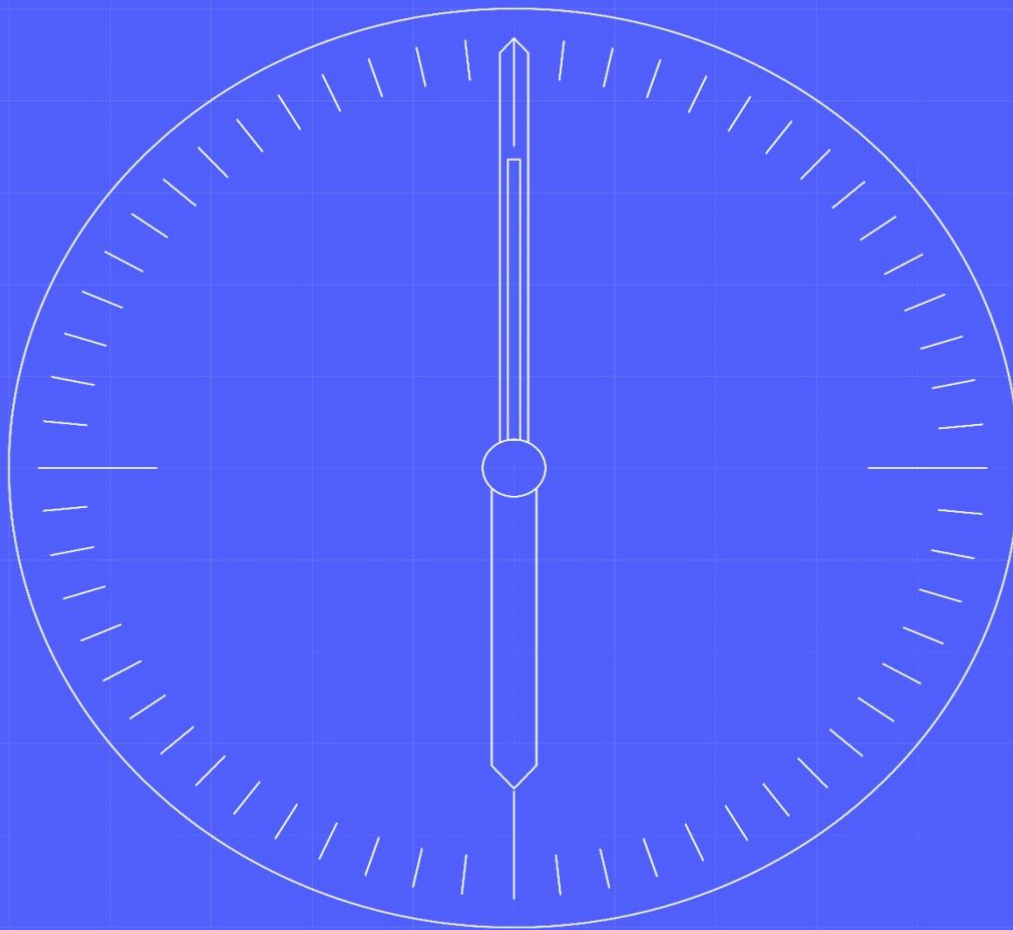




# MHHS Design Release Note

## Interim Release 2.1

### Release Date: 11-10-2023



Document owner

**Design Team**

Status:

**Final**

Document number

**DEL1275**

Date

**11/10/2023**

Version

**V1.0**

Classification

**Public**



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## 1.1 Change Record

Date	Author	Version	Change Detail
06/10/2023	Rob Golding	0.1	Initial Draft
11/10/2023	Berlinda Kugara	1.0	Final version

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## 1.2 Reviewers

Reviewer	Role

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## 2 INTRODUCTION

These are the release notes for Interim Release 2.1 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.

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## 3 OVERVIEW

Interim Release 2.1 is a patch to Interim Release 2.

### Improvements:

Interim Release 2.1 constitutes updated versions of Swagger and DES138 Interface Catalogue which have been uplifted to address found misalignments.

The Programme have conducted an impact assessment of the changes in IR2 and can advise that Programme participants who have completed PIT will not be required to complete any re-testing. However, Programme participants who have not completed their PIT will need to implement the changes for Interim Release 2.1.

The below DINs delivered the changes in Swagger and DES-138 Interface Catalogue.

- MHHS-DIN-713: SenderRoleId & SenderTimestamp updated in required section in S1 object to fix problem introduced in v1.2.
- MHHS-DIN-714: Remove meteringPointPostcode from required section of B033 object.
- MHHS-DIN-715: DI-091 update maximum: 1->9, minimum 1->0.

This Interim Release also includes a clarification on the A0 block which does not require a DIN. The clarification is provided in section 5 of this document.

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:

The best online tool we recommend verifying the extent of the changes is: <https://www.textcompare.org/yaml/>. This tool will clearly show the differences between the YAML versions 1.2 and 1.2.1.

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### 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](mailto: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	V5.2.2	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
MHHSPPROGRAMME-DataCatalogue-1.2.1-domain.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-DataCatalogue-1.2.1-domain.yaml	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-DataTypes-1.2.1-domain.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-DataTypes-1.2.1-domain.yaml	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-Interfaces-1.2.1-domain.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-Interfaces-1.2.1-domain.yaml	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-RealCommonBlocks-1.2.1-domain.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-RealCommonBlocks-1.2.1-domain.yaml	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-SubmitEvents-1.2.1-resolved.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-SubmitEvents-1.2.1-resolved.yaml	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-SubmitEvents-1.2.1-swagger.json	V1.2.1	Supporting Documents	Updated Swagger definitions
MHHSPPROGRAMME-SubmitEvents-1.2.1-swagger.yaml	V1.2.1	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-713	SenderId & SenderTimestamp updated in required section in S1 object to fix problem introduced in v1.2	Fixed
MHHS-DIN-714	Remove meteringPointPostcode from required section of B033 object.	Fixed
MHHS-DIN-715	DI-091 update maximum of 9 and minimum of 0.	Fixed

Refer below for further information on the DINs above.

### MHHS-DIN-713

S1 object update required fields:

- sentTimestamp to senderTimestamp
- senderRole to senderRoleID

```
S1:
description: Sender Common block
type: object
properties:
  environmentTag:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-991-Environment-Tag'
  subText:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-977-SubText'
  senderUniqueReference:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-995-Sender-Unique-Reference'
  senderTimestamp:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-998-Sender-Timestamp'
  senderDIPID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-997-Participant-Sender-DIPID'
  senderRoleID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-984-Sender-Role-ID'
  senderCorrelationID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-985-Sender-Correlation-ID'
  DIPConnectionProviderID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.25#/components/schemas/DI-996-DIP-Connection-Provider-DIPID'
required:
  - environmentTag
  - subText
  - senderUniqueReference
  - senderTimestamp ##1.25
  - senderDIPID
  - senderRoleID ##1.25
  - DIPConnectionProviderID
```

### Testing Impact

There is no re-testing required for Participants in PIT Testing who have already gone through the tests as this change has already been implemented by the DIP Simulator and aligned to the changes 1.2.1.

## MHHS-DIN-714

B033 object meteringPointPostcode commented out from the list of required fields as it does not exist in the list of properties.

```
8033:
description: MPAN Meter Info
type: object
properties:
  meterID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-056-Meter-ID'
  modifiedMeterID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-060-Modified-Meter-ID'
  meterType:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-059-Meter-Type'
  meterManufacturer:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-048-Meter-Manufacturer'
  ESMEGUID:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-085-ESME-GUID'
  meterLocation:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-090-Meter-Location'
  numberOfDisplayedRegisterDigits:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-091-Number-Of-Displayed-Register-Digits'
  meterInstallationDate:
    $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.2.1#/components/schemas/DI-057-Meter-Installation-Date'
required:
  - meterID
  - modifiedMeterID
  - meteringPointPostcode
  - meterType
  - meterManufacturer
  - ESMEGUID
  - meterLocation
  - numberOfDisplayedRegisterDigits
  - meterInstallationDate
```

## Testing Impact

There is no re-testing required as this functionality is not currently implemented in the DIP Simulator. B033 object was removed from the list of properties as part of Interim Release 2.

## MHHS-DIN-715

DI-091 update maximum to 9 and minimum to 0

```
DI-091-Number-Of-Displayed-Register-Digits:
description : Number of digits/dials to the left of the decimal point, of the Cumulative Register.
type : integer
nullable: true
maximum : 9 # DIN-348 - wrong updated for 1.2.1
minimum : 0 # DIN-348
example : 5
```

## Testing Impact

There is no re-testing required because the data values tested against previously would be still valid.

## A0 block clarification

There have not been any additional changes made to the A0 block, however, this is a provision of clarification.

The A0 block should adopt the following convention for specifying Primary, Secondary and Always recipients as part of the routing rules specified in the E2E Architecture document section 4.3.1 and DES-138 Interface Catalogue.

```
"A0": {
  "primaryRecipients": [
    "2300000900"
  ],
  "secondaryRecipients": [],
  "always": []
},
```

## Testing Impact

This was a blocker for some Programme participants during PIT; however, this was resolved on a bilateral basis. The change will not introduce a regression risk and therefore does not require re-testing.

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## 6 Unaffected Artefacts

All the other Interim Release 2 files are unaffected by this Interim Release 2.1 patch.

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## 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.

If there are discrepancies following the Interim Release 2.1 changes in the Swagger/YAML and the DES-138 Interface Catalogue versions; these are not going to be updated retrospectively for Interim Release 3 and 4.

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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
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

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