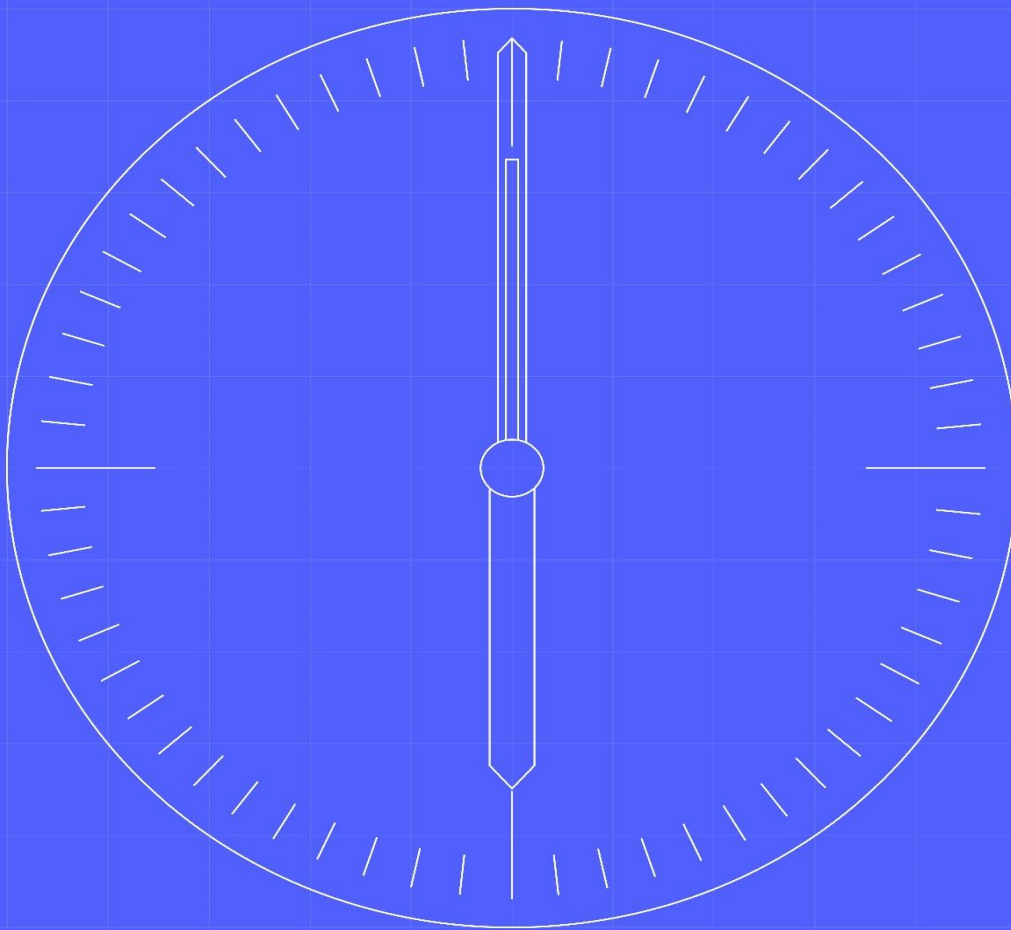


MHHS Design Release Note

Interim Release 8.4

Release Date: 16-Oct-24



Document owner

Design Team

Status:

Final

Document number

DEL1275

Date

16-Oct-24

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	5
	Additional Change information	6
6	Issues/Limitations	8
7	Past Releases	8

1.1 Change Record

Date	Author	Version	Change Detail
04/10/2024	Design Team	0.1	Initial Draft
16/10/2024	Design Team	1.0	Published Version

1.2 Reviewers

Reviewer	Role

2 INTRODUCTION

These are the release notes for Interim Release 8.4 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 8.4**

Improvements:

- Changes to DES138

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
IR8.4	16-Oct-24	5.8.4	1.8.3	Expected End Nov Confirmation to follow	TBC

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

Release	IF-001 to IF050	IF-061 to IF065	REPs
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 V1.8.4 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
DES-138 - Interface Catalogue	V5.8.4	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections

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-1112	Correlation ID for Related/Linked MPANS Within PUB-031	Fixed
MHHS-DIN-1128	Null correlation ID's on IF-008	Fixed
MHHS-DIN-1135	Null correlation ID's on IF-035	Fixed

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

5.1.1 MHHS-DIN-1112

Description of change: Correlation ID for Related/Linked MPANs within PUB-031

Background

During the last phase of SIT several tickets were raised for the processing of IF-036 messages for linked and related MPANs – 39963, 38352 & 39202. An issue with unsolicited IF-036 messages being issued by the Registration system without a correlation Id was causing problem in the DIP. This is due to the MPAN being a related/linked MPAN and not having a parent IF-031 message to trace back to –the normal source of the Correlation Id. DES-138 stipulates that a correlation Id must be provided. This caused a problem for the DIP as the Correlation Id is expected, and the information in IF-036 is used to maintain the secondary routing tables in the DIP.

Solution

The solution proposed is the Registration System will always include a Correlation Id for **all** IF-036 messages. The Correlation Id used in IF-036 messages pertaining to linked and related MPANs will be the correlation ID associated with the IF-031 message of the associated Primary MPAN. In DES138 a new status of “Inherited” is recognised against the Correlation Id created column for IF-036

Event Code(s) / Conditions	Always Routing	Primary Routing	Secondary Routing	Correlation ID Created
[MSAppActive]	EES	Custom Supplier, DS*, MS*, SUPL	- LDSO	Copy, Inherited†
[DSAppActive]	MDS, EES	Custom Supplier, DS*, MS*, SUPL (Non-Smart segment)	LDSO	Copy, Inherited†

* Reference the Primary Routing Guidance in the Information Section below † See updates in Interface Notes below

Clarification on the Use of Correlation Id for IF-036

Copy - Correlation Id is copied from the original IF-031 for the MPAN (M0.MPANCore)

Inherit - Correlation Id is inherited from the IF-031 message originating from the Principal MPAN associated with this linked/related MPAN (M0.MPANCore)

The introduction of the “Inherited” status makes clear separation between when a Correlation Id is recycled from a previous message belonging to the same MPAN, i.e. “Copied”, compared to when it is recycled from a message related to the associated primary MPAN, i.e. “Inherited”.

Using the parent MPAN Correlation Id will also have the added benefit that the DIP Message Tracking screen will see the IF-036 messages for the linked & related MPANs against the correlation Id from the Parent MPAN.

5.1.2 MHHS-DIN-1128

Description of change: Null correlation IDs on IF-008

The addressing section in DES138 for IF-008 has been updated to recognise that when an unsolicited IF-008 is issued the correlation ID will be null (i.e. not copied as there is no IF-007 to copy it from).

Event Code(s) / Conditions	Always Routing	Primary Routing	Secondary Routing	Correlation ID Created?
[EnergisationStatusChange] & DI-979 = 'A'	MDS, EES	XMSS	SUPC, XDSC, XMSC, LDSO, XDSP, XMSP, MDR	Copy, No*
Any Event & DI-979 = 'R'		XMSS		Copy

* reference the Interface Notes below

Participants should note that in instances where the Registration Service is forced to set the energisation status to de-energised (during disconnection) an unsolicited/ unrequested IF-008 with status of accepted will be issued to Suppliers and Metering Services to notify them of the forced de-energisation of the MPAN even though no IF-007 will have been previously issued. In this scenario no Correlation Id will be provided.

5.1.3 MHHS-DIN-1135

Description of change: Null correlation IDs on IF-035

The addressing section in DES138 for IF-035 has been updated to recognise where an IF-035 is generated for Linked/ Related MPANs, a null correlation ID will be provided by the Registration Service in the IF-035 messages ([DSAppAccepted] - USP scenario, [MSAppAccepted] - USP scenario, [SDS-MDROutcome], [DCC-MDROutcome]) for the Linked/Related MPANs, where no correlation ID exists.

Event Code(s) / Conditions	Always Routing	Primary Routing	Secondary Routing	Correlation ID Created
[MSAppAccepted]		XMSS, SUPS,		Copy, No*
[MSAppRejected]		XMSS, SUPS		Copy
[MSAppLapsed]		XMSS, SUPS		Copy
[DSAppAccepted]		XDSS, SUPS,		Copy, No*
[DSAppRejected]		XDSS, SUPS		Copy
[DSAppLapsed]		XDSS, SUPS		Copy
[IMS-SendMTD] ~ Created from copy of [MS_AppAccepted] & [DS_AppAccepted]		XMSU		Copy
[SDS-MDROutcome] & B099.DI-979 = "A"		XDSS, SUPS,		Copy, No*
[SDS-MDROutcome] & B099.DI-979 = "R"		XDSS		Copy
[DCC-MDROutcome]		XDSS		Copy, No*

* reference the Interface Notes below

Note 1: [SDS_MDR_Updated] is the event response to an SDS' request to update (in the Registration Service) the Nominated MDR for an MPAN IF-034 [SDS_MDR_Update]. Note 2: [DCC_

Please reference 'Registration Service Processing' section of this document, MHHS Business Process Diagrams and Requirements for additional information.

Block 99 - As per other response blocks - B099 provides for a single Response Code followed by an array of Response Messages

* For scenarios where an IF-035 is generated for Linked/ Related MPANs, a null correlation ID will be provided by the Registration Service in the IF-035 messages ([DSAppAccepted] - USP scenario, [MSAppAccepted] - USP scenario, [SDS-MDROutcome], [DCC-MDROutcome]) for the Linked/Related MPANs, where no correlation ID exists.

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
5.8.3	18/09/2024	Interim Release 8.2
5.8.4	16/09/2024	Interim Release 8.4

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