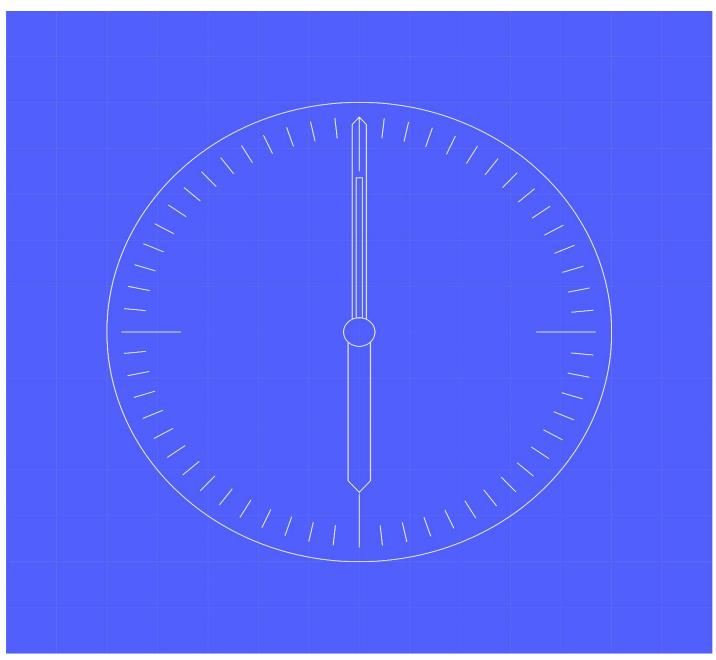


# MHHS Design Release Note Interim Release 8.1

Release Date: 12-06-2024



Document owner

Document number

**Design Team** 

**DEL1275** 

Status: **Final** 

Date

11/04/2024

Version

V1.0

Classification

**Public** 



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#### 1.1 Change Record

Date	Author	Version	Change Detail
07/06/2024	Design Team	0.1	Initial Draft
11/06/2024	Design Team	1.0	Final

#### 1.2 Reviewers

Reviewer	Role

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#### 2 INTRODUCTION

These are the release notes for Interim Release 8.1 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 8.1

#### Improvements:

- Changes to correct Swagger
- Changes to DES138 to align to swagger
- Changes to various other artefacts that includes, but not limited to: ECS reports, BP Diagrams, Requirements etc.
- Changes to BCS Solution docs, further information in "Additional Change Information" section
- New guidance documentation around DIP API and Webhooks

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

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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

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 8.1	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 V1.8.1 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 <a href="mailto:Design@MHHSprogramme.co.uk">Design@MHHSprogramme.co.uk</a>

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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
DES-138 - Interface Catalogue	V5.8.2	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
E2E002 - Requirements	V3.4	Supporting Documents	Requirement corrections
DEL961 – Migration Design Document	V1.4	Migration Design, Supporting Document	Migration corrections
DEL974 – Migration Design Requirements Log	V1.2	Migration Design	Requirement corrections
E2E001 – End-to-End Solution Architecture	V3.7	Supporting Documents	Solution Design Correction
MHHSP - ERI011B - ECS Reports - External	V5.7	Supporting Documents	Data Correction
EDI021_ISD_Entities	V5.7	Supporting Documents	Data Items Correction
BP008 – Change of Energisation	V5.2	Metering Changes	Process Corrections
BP010 - Change of Registration Data	V5.5	MPAN Ownership	Process Corrections
BPD010 - Change of Registration Data	V5.3	MPAN Ownership	Process Description Corrections
BRS003 - Registration Service requirements	V5.7	Supporting Documents	Requirement corrections
BRS004 - Supplier Overview	V5.5	Supporting Documents	Requirement corrections
BRS005 - LDSO Overview	V5.3	Supporting Documents	Requirement corrections
METH001_SDS_Validation_Estimation	V5.4	Supporting Documents	Method Corrections
METH002_MDS_Method_Statement	V5.5	Supporting Documents	Method Corrections
METH005_UMSO_Method_Statement	V5.2	Meter to Bank	Method Corrections
MHHSPROGRAMME-DataCatalogue-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataCatalogue-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions

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MHHSPROGRAMME-DataTypes-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataTypes-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-CommonBlocks-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-CommonBlocks-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-Reports-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-ECS-Reports-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Real CommonBlocks-1.8.1-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Real CommonBlocks-1.8.1-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.1-resolved.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.1-resolved.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.1-swagger.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.8.1-swagger.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Examples-0.5-domain.json	V1.8.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Examples-0.5-domain.yaml	V1.8.1	Supporting Documents	Updated Swagger definitions

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#### 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-920	DI-250 IF-007 Migration Rejection Code	Fixed
MHHS-DIN-945	CR46 - Change of Energy Direction	
MHHS-DIN-956	Rebranding of D-Flows - DES196	
MHHS-DIN-962	Remove MPAN from the list of mandatory parameters for replay/requeue	Fixed
MHHS-DIN-967	Update BP010A to show that MPL address updates from UMSO are via "Agreed Communication Method"	Fixed
MHHS-DIN-974	Align webhook response for /statusmessage to /dip-channel	Fixed
MHHS-DIN-977	Alignment of DT-13-EnvironmenTag to delivered environments	Fixed
MHHS-DIN-980	ISD versioning IR8	Fixed
MHHS-DIN-981	Incorrect Load Shape Off Peak Period	Fixed
MHHS-DIN-982	CR039 implementation	Fixed
MHHS-DIN-983	LLFC Id mandated in retained DTC flow	Fixed
MHHS-DIN-984	D0148 use within Reverse Migration	Fixed
MHHS-DIN-985	Incorrect meter reading code in section 6.1.3 of DEL961 Migration Desig	Fixed
MHHS-DIN-988	Remove IF-003 MSDeAppUdateRM & DSDeAppUpdateRM events	Fixed
MHHS-DIN-989	HHS-DIN-989 Remove duplicate CAPAC from DI-596 Charge Type	
MHHS-DIN-990	IS-DIN-990 Limit effective from updates to RF for appointments and energisation status changes	
MHHS-DIN-991	991 Confirm migration lapse behavior aligns with BAU operation	
MHHS-DIN-992	2 IF-016-ActivePowerRejected required field B900List should be B900	
MHHS-DIN-993	Confirmation of LDSO response times	
MHHS-DIN-995	Correlation ID removed from IF-037 AppUpdate events	Fixed
MHHS-DIN-997	PUB-007 validation to allow de-energisation on a Disconnected MPAN	Fixed
MHHS-DIN-1000	Update to error message REG1032 to refer to Local Time	Fixed
MHHS-DIN-1002	ISD M11 and M12	Fixed
MHHS-DIN-1004	DES138 OptOut Matrix for IF-003 Supplier	Fixed
MHHS-DIN-1006	Outstanding Design Query (DIN087)	Fixed
MHHS-DIN-1009	METH002 Issue with LTV Method statement	Fixed
MHHS-DIN-1015	Update routing for [MPANReconnection] and add event to Opt/In Out Matrix	Fixed
MHHS-DIN-1017	REP-002 & REP-002B need to be updated to reflect the defns in ERI011B	Fixed
MHHS-DIN-1018	Modify DIP Validation Endpoints	Fixed
MHHS-DIN-1019	Revision to the PUB-004 Secondary routing logic.	Fixed
MHHS-DIN-1020	DI-484 to be corrected to DI-081 in ERI011B	Fixed
MHHS-DIN-1021	Migration Error Code Alignment with DES138	Fixed

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MHHS-DIN-1022	Implementation of CR037 (Migration Message Processing Choreography Update)	Fixed
MHHS-DIN-1024	Use of Min items = 1 to stop arrays with zero items in B9xx objects	Fixed
MHHS-DIN-1029	IF-025 and IF-026 [SSCandProfileClass] event in B032 is mandatory	Fixed
MHHS-DIN-1031	Updates to Message Response Body	Fixed
MHHS-DIN-1032	DI-103-Configurable-Register-ID need to be alphanumeric	Fixed
MHHS-DIN-1033	Updates to ISD M17/ M7 tables	Fixed
MHHS-DIN-1034	REP900 & RE901 are missing schema version ERI011B spreadsheet	Fixed
MHHS-DIN-1035	IF037 DSDeApp CustomBlock requires B002 block	Fixed
MHHS-DIN-1036	DI-432-Period-Metering-System-Metered-Data need to remove multiplier constraint	Fixed
MHHS-DIN-1037	Updates to REP-900 reports	Fixed
MHHS-DIN-1038	Clarify Migration Reqs re D0312	Fixed
MHHS-DIN-1040	Migration Deisgn: Missing B095 block in IF-003-MSDeAppRM & missing B096 block in IF-003-DSDeAppRM	Fixed
MHHS-DIN-1041	Updates to schema version numbers for IF-061 to IF-065	Fixed
MHHS-DIN-1044	IF-009-MPANReconnection event code update	Fixed
MHHS-DIN-1047	Additional value of U (undefined) for DI-033 Energisation Status used during Migration	Fixed

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

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#### 5.1.1 MHHS-DIN-962

**Description of change:** Remove MPAN from the mandatory list of parameters for DIP replay/requeue and standardise on mandatory/null design pattern for input parameters.

#### Before change:

#### After change:

#### 5.1.2 MHHS-DIN-974

#### Description of change: Align webhook response for /statusmessage to /dip-channel

MPs webhook response should return a standard response body on a 400 response:

#### Before change:

#### After change:

```
/dip-channel/(id)/pubconfig/(recipient-id):
post:
post
```

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Also, status messages responses from the MP systems and the DIP need to align, hence the webhook definition is being aligned:

#### 5.1.3 MHHS-DIN-977

#### Description of change: Environment Naming Alignment

Align DT-013-EnvironmentTag to the actual list of environments being deployed by Avanade.

#### Before change:

```
287
288
            description: Environment Tag
             type: string
289
            minLength: 3
maxLength: 10
290
291
292
293
              - PROD
              - PREPROD
- SIT
294
295
296
              - UIT
297
               - DEV
             example: 'DEV'
298
```

#### After Change:

```
288
           description: Environment Tag
289
290
           type: string
291
292
293
294
               - PROD
295
               - PREPROD
296
             - PRD
             - SITB
297
298
             - SIT
299
             - UIT
             - DEV
300
301
```

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#### 5.1.4 MHHS-DIN-988

#### Description of change: Remove IF-003 MSDeAppUdateRM & DSDeAppUpdateRM events

This includes the removal of the associated validation endpoints as well

#### Before change:

#### After Change:

```
# IF 003 - Notification of Revserse Migrationand De-Appointment
# 20  # DIN-602 create variants for each eventcode
# 31  # DIN-91 Add Bo02 block to each message variant
# 20  # DIN-988 Remove IF-003-DSDeAppUpdateRM & IF-003-DSDeAppUpdateRM # IF-003-DSDeAppUpdateRM # IF-003-DSDeAppUpdateRM # IF-003-DSDeAppUpdateRM # IF-003-DSDeAppRM # IF-003-ReverseMigNotification:
```

#### 5.1.5 MHHS-DIN-989

#### Description of change: Remove duplicate CAPAC from DI-596 Charge Type

#### Before change:

```
2144
2145
2146
                                   Charge Type
                   type: string
                  maxLength: 5
example : Fixed
2147
2148
2149
2150
                        - CAPAC # DIN-845
2151
                        \# - XCSAP \# removed - assume XSCAP is correct - <code>FIXED</code>
2152
2153
                          CAPAC
                          XSCAP
REACT
2154
2155
2156
                          RED
2157
                          AMBER
2158
2159
                          GREEN
                          YELLO
2160
                          BLACK
                          SUPER
2162
2163
                          ZERO
```

#### After Change:

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#### 5.1.6 MHHS-DIN-992

Description of change: IF-016-ActivePowerRejected required field B900List should be B900

#### Before change:

# | Joint Action of Parks | Join

#### After Change:

#### 5.1.7 MHHS-DIN-995

Description of change: Correlation ID removed from IF-037 AppUpdate events

Before change: After Change:

No swagger update required

#### 5.1.8 MHHS-DIN-1017

Description of change: REP-002 & REP-002B need to be updated to reflect the defns in ERI011B

**REP-002** 

The ERI011B – ECS Reports spreadsheet has the R027 – Distributor ID as a repeating block, meaning that Suppliers will receive 1 REP-002 for each combination of Distributor and GSP Group.

REP-002B

Similarly, the REP-002B has R009 as a repeating block

#### Before change:

```
### P.002 Supplier report for DUS - aggregated data

### P.002 Supplier report for DUS - aggregated data

### P.002 Customalicok:

### Care Control of the BINDOY Custom data block - Supplier report for DUS - aggregated data

### Care Control of the BINDOY Custom data block - Supplier report for DUS - aggregated data

### Care Control of the BINDOY Custom data block - Supplier report for DUS - aggregated data

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier DID

### Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier DID

### Supplier PRID

### Care Control of the BINDOY Custom data block - Supplier DID

### Supplier PRID

### Supplier PRI
```

#### After Change:

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#### 5.1.9 MHHS-DIN-1018

#### Description of Change: Modify DIP Validation Endpoints

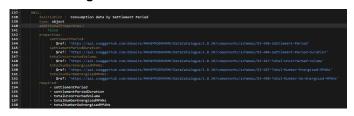
All the validation end-points have been updated so they accept an array of messages rather than a single message. This is to align with the structure of the main dip-channel submission API.

#### 5.1.10 MHHS-DIN-1020

#### Description of Change: DI-484 to be corrected to DI-081 in ERI011B

RecCo request to update ECS reports to use DI-081 rather than DI-484

#### Before change



### After change

```
Section : monoded Consumption data by Settlement Period

Section : Section :
```

```
568 | Section | Sattlement Period duration |
151 | Use Object |
152 | Use Object |
153 | Use Object |
154 | Use Object |
155 |
```



#### 5.1.11 MHHS-DIN-1024

**Description of Change:** Use of Min items = 1 to stop arrays with zero items

#### Before change:

#### After Change:

#### B900

```
2009
2010 - | B900: | description: MQID (8045) Settlement Day Consumption periods (8901)
2012 | type: object | additionalProperties: | additionalProperties: | false | required: | - MQID | - settlementDayConsumptionPeriods | properties: | MQID: | Sref: '#/components/schemas/8045' | settlementDayConsumptionPeriods: | type: array | maxItems: 200 | items: | $ref: '#/components/schemas/8901'
```

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#### B901

```
| 2038 | 2039 | 2039 | 2031 | description: Settlement Day (8046) - SP consumption data (multiple child) block (8047) | 2031 | 2032 | 2032 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 2033 | 20
```

#### B902

```
| 2048 | 2049 | | description: MQID (8045) Supplier Consumption Amendment Requests (8073) #MHHS-DIN-357 Typo type: object | 2049 type: object | 20
```

#### B903

```
2131
2131
                                                                                       description: Load shaping SP
                                                                         2132
               description: Load shaping SP
2132
                                                                         2133
                                                                                       type: object
2133
               type: object
                                                                         2134
2134
                                                                         2135
2135
                                                                         2136
2136
                                                                                         settlementDay:

$ref: '#/components/schemas/B046'
                                                                         2137
2137
                                                                         2138
                  $ref: '#/components/schemas/B046'
2138
                                                                         2139
2139
                                                                         2140
                                                                                           type: array
2140
                  type: array
                                                                         2141
                                                                                                     1 # DIN-1024
2141
                                                                         2142
2142
                       $ref: '#/components/schemas/B904'
                                                                                               $ref: '#/components/schemas/B904'
                                                                         2143
2143
                                                                         2144
```

#### B904

```
2163
2163
                                                                                description: Load shaping child record SP
              description: Load shaping child record SP
                                                                  2164
2164
                                                                  2165
                                                                                 type: object
2165
              type: object
                                                                  2166
2166
                                                                  2167
2167
                                                                  2168
2168
                                                                  2169
2169
                                                                                     $ref: '#/components/schemas/B051'
                                                                  2170
                  $ref: '#/components/schemas/B051'
2170
                                                                                   LSGroupSettlementPeriods:
                                                                  2171
                LSGroupSettlementPeriods:
2171
                                                                                    type: array
                                                                  2172
2172
                  type: array
                                                                                     minItems: 1 # DIN-1024
                                                                  2173
2173
                                                                  2174
                      $ref: '#/components/schemas/B052'
2174
                                                                                         $ref: '#/components/schemas/B052'
                                                                  2175
2175
                                                                  2176
```

#### B906

```
o vairants of 906 - one where B034 is mandatory, the other its optiona
                                                                                                                                             2207
                                                                                                                                            2208
2209
2210
                                                                                                                                                                    description: Meter-Map History type: object
                                         : Meter-Map History
                      type: object required:
2198
2199
2200
2201
2202
2203
2204
2205
2206
2207
                                                                                                                                            2210
2211
2212
2213
2214
2215
2216
2217
                             existingMeterhistoryMAP
                                                                                                                                                                          existingMeterhistoryMAP
                       additionalProperties:
    false
                                                                                                                                                                    additionalProperties
false
                                                                                                                                                                          xistingMeter:

$ref: '#/components/schemas/B033'
                            xistingMeter:

$ref: '#/components/schemas/B033'
                         historyMAP:
type: array
items:
                                                                                                                                            2217
2218
2219
2220
2221
2222
2223
                                                                                                                                                                          istoryMAP:
type: array
minItems: 1 # DIN-1024
                                $ref: '#/components/schemas/B034'
                                                                                                                                                                              tems:
$ref: '#/components/schemas/B034'
```

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#### B906a

```
description: Meter-Map History
                                                                                2225
2213
               description: Meter-Map History
                                                                                2226
                                                                                                type: object
2214
2215
               type: object required:
                                                                                2227
                                                                                2228
                                                                                                     - existingMeter
2216
                    - existingMeter
                                                                                                 additionalProperties:
                                                                                2229
2217
2218
                                                                                2230
                                                                                2231
2219
                                                                                2232
                                                                                                  existingMeter:
                 existingMeter:
    $ref: '#/components/schemas/B033'
historyMAP:
2220
2221
                                                                                                    $ref: '#/components/schemas/B033'
                                                                                2233
                                                                                2234
2222
                                                                                2235
                                                                                                    type: array
2223
2224
                    type: array
                                                                                2236
                                                                                                     minItems: 1 # DIN-1024
                      $ref: '#/components/schemas/B034'
                                                                                2237
2225
                                                                                                        $ref: '#/components/schemas/B034'
2226
                                                                                2238
                                                                                2239
```

#### B910

```
2266
                                                                                      2267
                                                                                                       description: Meter details - MAP history
2267
                             on: Meter details - MAP history
                                                                                      2268
2269
                                                                                                       type: object additionalProperties:
2268
                  type: object
2269
                                                                                      2270
2270
                                                                                      2271
2272
                  properties:
existingMeter:
2271
                                                                                                         $ref: '#/components/schemas/B036'
historyMAP:
  type: array
2272
                                                                                      2273
2274
                       $ref: '#/components/schemas/B036'
2273
2274
                                                                                      2275
2275
                                                                                      2276
2277
                                                                                                            minItems: 1 # DIN-1024
2276
                                                                                      2278
2279
                                                                                                              $ref: '#/components/schemas/B075'
                         $ref: '#/components/schemas/B075'
2277
2278
```

#### B911

```
2280
2281
                                                                                                                 description: Related Meter details - MAP history
                                                                                               2281
                 description: Related Meter details - MAP history
                                                                                               2282
                                                                                                                 type: object
2282
2283
                 type: object additionalProperties:
                                                                                               2283
2284
2284
2285
                                                                                               2285
2286
2286
2287
                    existingMeter:
$ref: '#/components/schemas/B038'
                                                                                                                    existingMeter
                                                                                                                    $ref: '#/components/schemas/B038'
historyMAP:
                                                                                               2287
2288
2289
                                                                                               2288
                                                                                               2289
                                                                                                                      type: array
minItems: 1 # DIN-1024
                      type: array
2290
2291
                                                                                               2290
2291
2292
2293
                         $ref: '#/components/schemas/B075'
                                                                                                                        $ref: '#/components/schemas/B075'
                                                                                               2292
                                                                                               2293
```

#### B912

```
2145
                                                                        2146
                                                                                       description: Load shaping Totals
                description: Load shaping Totals
                                                                                       type: object
2146
                                                                        2147
                type: object
2147
                                                                        2148
2148
                additionalProperties:
                                                                        2149
2149
                                                                       2150
2150
                                                                       2151
                  settlementDay:
$ref: '#/components/schemas/B046'
                                                                                          $ref: '#/components/schemas/B046'
2151
                                                                       2152
2152
                                                                       2153
                                                                                          type: array
minItems: 1 # DIN-1024
2153
                                                                       2154
                                                                       2155
2154
                    type: array
                                                                        2156
2155
                                                                                               $ref: '#/components/schemas/B913'
                                                                        2157
                        $ref: '#/components/schemas/B913'
2156
                                                                       2158
```

#### B913

```
2178
                                                                                                 description: Load shaping child record Totals
               description: Load shaping child record Totals
2178
                                                                                                 type: object additionalProperties:
                                                                                 2179
2179
                type: object
                                                                                 2180
2180
                                                                                 2181
2181
                                                                                                 properties:
LSGroup:
                                                                                 2182
2182
                                                                                 2183
2183
                                                                                 2184
                                                                                                      $ref: '#/components/schemas/B051'
2184
                    $ref: '#/components/schemas/B051'
                                                                                 2185
2185
                  $ref: '#/components/schemas/B054'
LSTTotals:
                                                                                                     $ref: '#/components/schemas/B054'
                                                                                 2186
2186
                                                                                 2187
2187
                                                                                                     type: array
minItems: 1 # DIN-1024
                                                                                 2188
                    type: array items:
2188
                                                                                 2189
2189
                                                                                 2190
2190
                         $ref: '#/components/schemas/B053'
                                                                                                          $ref: '#/components/schemas/B053'
                                                                                 2191
2191
      ##
```

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#### B920

```
2867 8928:

2868 description: MQID (8845) Settlement Day Consumption periods with default (8901) 2868 dpps: object 2869 dpps: object 2870 additionalProperties: 2871 false 2872 required: 2873 - MQID 2874 - MQID 2874 properties: 2875 properties: 2875 properties: 2875 properties: 2876 MQID: $ settlementDayConsumptionPeriods properties: 2875 properties: 2876 MQID: $ settlementDayConsumptionPeriods: 2876 MQID: $ settlementDayConsumptionPeriods: 2876 MQID: $ settlementDayConsumptionPeriods: 2877 settlementDayConsumptionPeriods: 2878 settlementDayConsumptionPeriods: 2878 settlementDayConsumptionPeriods: 2878 settlementDayConsumptionPeriods: 2878 settlementDayConsumptionPeriods: 2879 settlementDayConsumptionPeriods: 28799 settlementDayConsumptionPeriods: 2879 settlementDayConsumptionPeriod
```

#### B922

```
2085 - 2086 | description: Settlement Day (8046) and defaulted data (8048) | 2086 | 2087 | 2085 | 2086 | 2087 | 2085 | 2086 | 2087 | 2085 | 2088 | 2089 | 2089 | 2089 | 2099 | 2091 | 2091 | 2091 | 2092 | 2093 | 2093 | 2094 | 2095 | $ref: "#/components/schemas/8048" | 2095 | $ref: "#/components/schemas/8048" | 2099 | 2099 | 2099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 | 3099 |
```

#### 5.1.12 MHHS-DIN-1029

Description of Change: IF-025 and IF-026 [SSCandProfileClass] event in B032 is mandatory

#### Before change:

#### After Change:

IF-025

```
| 1885 | Scandineficiass | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 1885 | 188
```

```
| 17-025-55candProfileClass: | System object |
```

#### IF-026

```
| 1663 | Tr.026:SSCandProfileClass | 1664 | 1665 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 | 1666 |
```

```
| 1-662-SS enthorities(lass) | 1-665-SS enthorities(lass) | 1-667-SS entho
```

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#### 5.1.13 MHHS-DIN-1031

Description of Change: Updates to Message Response Body

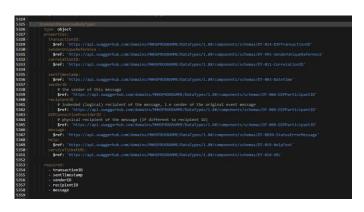
Changes

Introduced new data types

DT-014N-DIPTransactionID

DT-995N-SenderUniqueReference

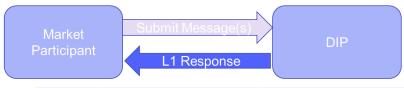
#### Before change:



#### After Change:

Hence the use of the response body for L1 & L3 transactions can be summarised:

#### API Response Guidelines - L1 Validation



When a MP submits a message or a series of messages to the DIP the DIP will respond with the one of the following response code and (optional) response bodies:

	Category	Response Codes
2xx	Successful	201, 207
4xx	Client Errors	<b>400</b> , 401, 403, 404, 405, 408, 413, 429
5xx	Server Errors	500, 501, 502, 503, 504, 505

Only 201, 207 & 400 (optional) will have accompanying response body or bodies

201, 207 will a response body for each message in the transaction (at present 207 is not actually generated)

400 will have a single response body

From release 8.1 the Response Body adopts the mandatory null design pattern so to align with message bodies

Response Body:	
· ·	
transactionID*	Generated by the DIP to uniquely identify the message
senderUniqueReference*	Submitted by the MP to identify their message
correlationID*	Generated by the DIP - only a few IFs will create a Correlation ID
sentTimestamp*	Generated by the DIP - the time this response was sent
senderID*	The Sender ID of the message i.e. the DIP which uses the Id $0000000000$
recipientID*	The DIP Id of the MP that sent the message
DIPConnectionProviderID*	If a DCP sent the message, then the DCP of the message
message*	Information pertaining to the error condition
help*	Further information
serviceTicketURL*	not yet implemented

2

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The DIP will Post messages to MPs webhooks. The DIP will expect the following response from the webhook (these align to the L1 responses seen on the previous slide):

	Category	Response Codes			
2xx	Successful	201, 207			
4xx	Client Errors	<b>400</b> , 401, 403, 404, 405, 408, 413, 429			
5xx	Server Errors	500, 501, 502, 503, 504, 505			

Only 201, 207 & 400 (optional) should have a single response body or multiple bodies

201, 207 should have a response body for each message in the transaction

400 will have a single response body

From release 8.1 the Response Body adopts the mandatory null design pattern so to align with message bodies

Response Body:	
transactionID*	The transaction Id passed with the corresponding message
senderUniqueReference*	Submitted by the message sender to identify their message
correlationID*	Generated by the DIP - only a few IFs will create a Correlation ID
sentTimestamp*	Generated by the MP – the time this response was sent
senderID*	The MPs DIP Id
recipientID*	The DIP ld of either the DIP (i.e. 0000000000) or the intended recipient of the response, i.e. sender of the original message
DIPConnectionProviderID*	If a DCP is the recipient, then the DCP ID of the recipient
message*	Information pertaining to the error condition
help*	Further information
serviceTicketURL*	not yet implemented

#### 5.1.14 MHHS-DIN-1032

Description of Change: DI-103-Configurable-Register-ID need to be alphanumeric

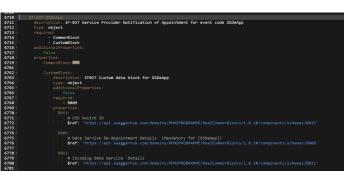
#### Before change:

#### After Change:

#### 5.1.15 MHHS-DIN-1035

Description of Change: IF037 DSDeApp CustomBlock requires B002 block

#### Before change:



#### After Change:

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#### 5.1.16 MHHS-DIN-1036

Description of Change: DI-432-Period-Metering-System-Metered-Data need to remove multiplier constraint

#### Before change:

# 1516 DI-432-Period-Metering-System-Metered-Data: 1517 description: The metered data for a Metering System. 1518 type: string 1519 maxLength: 13 1520 multipleOf: 0.001

#### After Change:

```
1516 DI-432-Period-Metering-System-Metered-Data:
1517 description: The metered data for a Metering System.
1518 type: string
1519 maxLength: 13
1520 multipleOf: 0.001 #DIN-1036
```

#### 5.1.17 MHHS-DIN-1037

Description of change: Updates to REP-900 reports

Changes made to the REP900 report are:

- REP900-03 to be a parent of REP900-04
- Remove DI-563 (LDSO Billing Account Reference) from REP900-03 as it is redundant with Site Id and Invoice Number also included in the message
- Add GSP Group ID to the REP900-03 site record
- Move the following data items from R900-03 to REP900-04 as they can all change for a site and are specific to the invoice raised:
  - DI-612 Site DUoS Tariff ID
  - o DI-566 List of MPANs
  - DI-567 Misaligned multi MPAN site
  - DI- 568 Site Capacity
- Update DI-565 LDSO Billing Site ID to data type of String(30)

#### **REP-900 Structure**

Before

After

```
| 287-296-Contromblesis | 287-
```

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#### R900-03 block

#### Before

#### After

#### R900-04 block

#### Before change:

#### After change:

#### DI-565 amendment

#### Before change:

#### After change:

```
2008 - DI-565-USG-Billing-Site-ID:
2001 description : Uniquely identifies a metering point. Can be for energy import or export but not both..
2002 type: string
2003 maximight. BIE - DI-21234567890'
2006 example : 'SITE-ID-01234567890'
```

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#### 5.1.18 MHHS-DIN-1040

#### **Description of Change:**

Missing B095 block in IF-003-MSDeAppRM & missing B096 block in IF-003-DSDeAppRM

#### Before change:

After Change:

IF-003-MSDeAppRM:

#### IF-003-DSDeAppRM:

```
| 17-003-0000App8H1 | description If -003 Notification of Reverse Higration De-Appointment eventcode DSDuApp8H | description If -003 Notification of Reverse Higration De-Appointment eventcode DSDuApp8H | description If -003 Notification of Reverse Higration De-Appointment eventcode DSDuApp8H | description If -003 Notification De-Appointment eventcode DSDuApp8H | description If -003 Notification De-Appointment Eventcode DSDuApp8H | description If -003 Notification De-Appointment Eventcode DSDuApp8H | description If -003 Custom Books | description Books | d
```

#### 5.1.19 MHHS-DIN-1041

#### **Description of Change:**

Updates to schema version numbers for IF-061 to IF-065

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#### 5.1.20 MHHS-DIN-1044

Description of Change: IF-009-MPANReconnection event code update

The event code for IF-009-MPANReconnection need to be [MPANReconnection] rather than [MPANDReconnection]

#### Before change:

#### After Change:

```
| Second | S
```

#### 5.1.21 MHHS-DIN-1047

Description of Change: Additional value of U (undefined) for DI-033 Energisation Status used during Migration

#### Before change:

# After Change: 240 DI-033-Energisation-Ste description: India

```
231 DI-033-Energisation-Status:

description: Indicates if the metering point is considered energised (i.e. connected to the distribution system) and therefore active for settlement purposes.

232 type: string mintength: 1
235 maxLength: 1
236 example: D
237 enum:

- D # De-Energised
- E # Energised
- E # Energised
```

```
249 D1-033-Energisation-Status:
description: Indicates if the metering point is considered energised (i.e. connected to the distribution system) and therefore active for settlement purposes.

242 type: string
243 minlength: 1
244 maxtength: 1
245 example: 1
246 enum:
- D # De-Energised
- E # Energised
- U # Undefined # DIN-1047
```

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#### 5.1.22 MHHS-DIN-983

**Description of change:** Added Data Item Rule to the **D0387 'Metering System Half Hourly Volume Adjustments'** stating that LLFC Id should be populated with DUoS Tariff Id for MHHS Metering Systems.

#### **Impacted Documents:**

- DES196 D-Flow and Interface Mapping v1.3
- D0387 Metering System Half Hourly Volume Adjustments v1.0

For the latest documents please find them here: <a href="https://www.mhhsprogramme.co.uk/design/baselined-design-artefacts/mhhs-impacts-to-data-transfer-network-dtn-flows">https://www.mhhsprogramme.co.uk/design/baselined-design-artefacts/mhhs-impacts-to-data-transfer-network-dtn-flows</a>

#### Screenshot of change:

78M	MPAN Cores	1-*		G					
					1			MPAN Core	
					1			GSP Group Id	
					1			Distributor Id	
					1				For MHHS Metering Systems the value shall be populated with the
									equivalent DUoS Tariff Id Data Item.

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#### 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

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

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