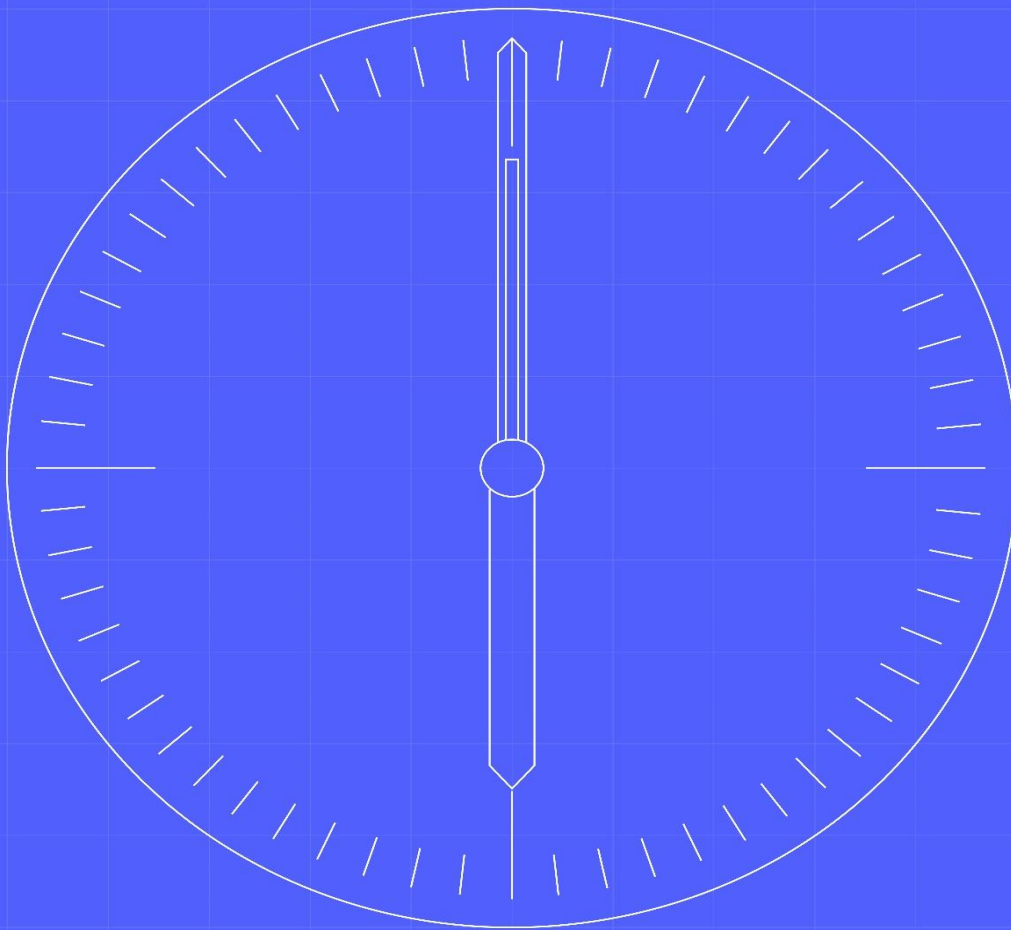


MHHS Design Release Note

Interim Release 7.1

Release Date: 06-03-2024



Document owner

Design Team

Status:

Final

Document number

DEL1275

Date

06/03/2024

Version

V1.0

Classification

Public

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1.1 Change Record

Date	Author	Version	Change Detail
27/02/2024	Design Team	0.1	Initial Draft
06/03/2024	Design Team	1.0	Final version

1.2 Reviewers

Reviewer	Role

2 INTRODUCTION

These are the release notes for Interim Release 7.1 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.

3 OVERVIEW

Interim Release 7.1 is a patch to Interim Release 7.

Improvements:

- Changes to correct Swagger
- Changes to align DES138 with swagger
- Minor changes to other artefacts

The below DINs delivered the changes in Interim Release 7.1.

- MHHS-DIN-893
- MHHS-DIN-897
- MHHS-DIN-898
- MHHS-DIN-899
- MHHS-DIN-900
- MHHS-DIN-901
- MHHS-DIN-905
- MHHS-DIN-911
- MHHS-DIN-915
- MHHS-DIN-916
- MHHS-DIN-919
- MHHS-DIN-922
- MHHS-DIN-923
- MHHS-DIN-924
- MHHS-DIN-925
- MHHS-DIN-926
- MHHS-DIN-928
- MHHS-DIN-931
- MHHS-DIN-941
- MHHS-DIN-943

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	11-Mar-24	09-Feb-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	TBD
IR8	03-Apr-24	5.8.1	1.8	02-Sep-24	21-Jun-24

Design Models:

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

JSON/YAML:

The best online tool we recommend verify the extent of the changes is: <https://www.textcompare.org/yaml/>. Comparing the YAML between versions 1.7 and 1.7.1 are clearly shown.

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	V5.7.2	Meter to Bank, Metering Changes, MPAN Ownership	Interface corrections
E2E001 – End-to-End Solution Architecture	V3.6.1	Supporting Documents	Solution Design Correction
E2E002 - Requirements	V3.2	Supporting Documents	Requirement corrections
MHHSP - ERI011B – ECS Reports - External	V5.6.1	Supporting Documents	Data Correction
MHHSP_EDIO21 – ISD - Entities	V5.5.1	Supporting Documents	Data Correction
MHHSPROGRAMME-DataCatalogue-1.7.1-domain.json	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataCatalogue-1.7.1-domain.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataTypes-1.7.1-domain.json	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-DataTypes-1.7.1-domain.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.7.1-domain.json	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Interfaces-EventCodes-1.7.1-domain.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-RealCommonBlocks-1.7.1-domain.json	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-RealCommonBlocks-1.7.1-domain.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.7.1-resolved.json	V1.7.1	Supporting Documents	Updated Swagger definitions

MHHSPROGRAMME-SubmitEvents-1.7.1-resolved.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.7.1-swagger.json	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-SubmitEvents-1.7.1-swagger.yaml	V1.7.1	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Examples-0.5-domain.json	V0.5	Supporting Documents	Updated Swagger definitions
MHHSPROGRAMME-Examples-0.5-domain.yaml	V0.5	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-893	Regex for GSP Correction factor	Fixed
MHHS-DIN-897	IF-001 Change Of Supplier s1 block needs to mandatory	Fixed
MHHS-DIN-898	REP-003 fields - Clarification Request	Fixed
MHHS-DIN-899	IR7 Changes to ISD	Fixed
MHHS-DIN-900	IR7 E2E SA Obfuscation rules require updating	Fixed
MHHS-DIN-901	DES138 does not include CR23 opting in for MDRs	Fixed
MHHS-DIN-905	B033 block meterManufacturer IR7	Fixed
MHHS-DIN-911	Update B099 block to show that it is not an array	Fixed
MHHS-DIN-915	Missing swagger updates to align with DIN-801 - ECS reports REP006	Fixed
MHHS-DIN-916	IF-36 Obfuscation	Fixed
MHHS-DIN-919	Reverse Migration - IF003 missing supplier fields	Fixed
MHHS-DIN-922	IF-014 CustomBlock Required list needs updating	Fixed
MHHS-DIN-923	Clarification on Data Service sending consumption data for periods 47/48 during BST	Fixed
MHHS-DIN-924	Missing parameters in webhook callback	Fixed
MHHS-DIN-925	Add MPO Encrypted header parameter to callback	Fixed
MHHS-DIN-926	Response codes on delete operations	Fixed
MHHS-DIN-928	IF-037 mandatory block for [DS MS]DeAppUpdate event codes	Fixed
MHHS-DIN-931	Clarification of response codes that need an associated response body in Swagger	Fixed
MHHS-DIN-941	Update to DI-122 Profile Class to min length of 1, max length of 2	Fixed

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

5.1 Additional Change information

5.1.1 MHHS-DIN-893

Description of change

Update regex for to ensure only positive values on regex for DT-026-Group-Correction-Factor. Please refer to the screenshots below for change:

Before change:

```
421 DT-026-Group-Correction-Factor:  
422 description: Group Correction Factor (Number 9,9) format  
423 type: string  
424 pattern: ^-?\d{1,9}\.\d{9}$  
425 example: 20.123456789  
426
```

After change:

```
423 DT-026-Group-Correction-Factor:  
424 description: Group Correction Factor (Number 9,9) format  
425 type: string  
426 pattern: ^\d{1,9}\.\d{9}$ # DIN-893  
427 example: 20.123456789  
428
```

5.1.2 MHHS-DIN-897

Description of change

IF-001 Change Of Supplier S1 block needs to mandatory (the A0 block was marked as mandatory which is incorrect)

Before change:

```
195 ▾ IF-001-ChangeOfSupplier:  
196     description: IF001 Message  
197     type: object  
198 ▾     additionalProperties:  
199         false  
200 ▾     required:  
201         - CommonBlock  
202         - CustomBlock  
203 ▾     properties:  
204 ▾         CommonBlock:  
205             type: object  
206 ▾         additionalProperties:  
207             false  
208 ▾         required: # DIN-785  
209             - S1  
210             - A0  
211             - M0  
212 ▾         properties:
```

After change:

```
198 ▾ IF-001-ChangeOfSupplier:  
199     description: IF001 Message  
200     type: object  
201 ▾     additionalProperties:  
202         false  
203 ▾     required:  
204         - CommonBlock  
205         - CustomBlock  
206 ▾     properties:  
207 ▾         CommonBlock:  
208             type: object  
209 ▾         additionalProperties:  
210             false  
211 ▾         required: # DIN-785  
212             - S1  
213             - S0 # DIN-897  
214             - M0  
215 ▾         properties:  
216 ▾             S0:  
217                 description: Sender Header block  
218                 type: object
```

5.1.3 MHHS-DIN-900

Description of change

Data items that resolve to DT-027-MPID that need to be obfuscated are written as 'XXXX' rather than 'xxxx' so the regex remains unbroken.

5.1.4 MHHS-DIN-905

Description of change

B033 block meterManufacturer was renamed to manufacturersMakeAndType it wasn't renamed in the 'required' properties.

Before change:

```
856 ~ B033:
857 ~   description: MPAN Meter info
858 ~   type: object
859 ~   additionalProperties:
860 ~     false
861 ~   properties:
862 ~     meterID:
863 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-056-Meter-ID'
864 ~     modifiedMeterID:
865 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-060-Modified-Meter-ID'
866 ~     meterType:
867 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-059-Meter-Type'
868 ~     manufacturersMakeAndType: #DIN-864
869 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-048-Manufacturers-Make-And-Type'
870 ~     ESMEGUID:
871 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-085-ESME-GUID'
872 ~     meterLocation:
873 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-090-Meter-Location'
874 ~     numberOfDisplayedRegisterDigits:
875 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-091-Number-Of-Displayed-Register-Digits'
876 ~     meterInstallationDate:
877 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7#/components/schemas/DI-057-Meter-Installation-Date'
878 ~   required:
879 ~     - meterID
880 ~     - modifiedMeterID
881 ~     - meterType
882 ~     - meterManufacturer
883 ~     - ESMEGUID
884 ~     - meterLocation
885 ~     - numberOfDisplayedRegisterDigits
886 ~     - meterInstallationDate
887 ~
```

After change:

```
858 ~ B033:
859 ~   description: MPAN Meter info
860 ~   type: object
861 ~   additionalProperties:
862 ~     false
863 ~   properties:
864 ~     meterID:
865 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-056-Meter-ID'
866 ~     modifiedMeterID:
867 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-060-Modified-Meter-ID'
868 ~     meterType:
869 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-059-Meter-Type'
870 ~     manufacturersMakeAndType: #DIN-864
871 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-048-Manufacturers-Make-And-Type'
872 ~     ESMEGUID:
873 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-085-ESME-GUID'
874 ~     meterLocation:
875 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-090-Meter-Location'
876 ~     numberOfDisplayedRegisterDigits:
877 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-091-Number-Of-Displayed-Register-Digits'
878 ~     meterInstallationDate:
879 ~       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-057-Meter-Installation-Date'
880 ~   required:
881 ~     - meterID
882 ~     - modifiedMeterID
883 ~     - meterType
884 ~     - manufacturersMakeAndType # DIN-905
885 ~     - ESMEGUID
886 ~     - meterLocation
887 ~     - numberOfDisplayedRegisterDigits
888 ~     - meterInstallationDate
889 ~
```

5.1.5 MHHS-DIN-915

Description of Change:

Missing swagger updates to align with DIN-801 - ECS reports REP006:

- Add Supplier R015 block to REP006
- DI-375 needs to be nullable
- DI-364 needs to be nullable
- Remove DI-030 Domestic Premise Indicator from R003 block

Before change:

REP-006-CustomBlock original

```
213 # REP006 - Aggregated Uncorrected volumes by CCC to Market Participants
214
215 REP-006-CustomBlock:
216   description: REP006 Custom data block
217   type: object
218   additionalProperties:
219     false
220   properties:
221     R013:
222       # GSP Group
223       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/ECS-CommonBlocks/1.7#/components/schemas/R013'
224     R007:
225       # Settlement Run Execution
226       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/ECS-CommonBlocks/1.7#/components/schemas/R007'
227     R002:
228       # Settlement Run Execution
229       $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/ECS-CommonBlocks/1.7#/components/schemas/R002'
230     REP006-R032:
231       description: Array of extended BM Unit records
232       type: array
233       items:
234         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/ECS-CommonBlocks/1.7#/components/schemas/REP006-R032'
235
```

After change:

New REP006-R015 block

```
899 REP006-R015:
900   description: R015 Supplier - extended records
901   type: object
902   additionalProperties:
903     false
904   properties:
905     R015:
906       $ref: '#/components/schemas/R015'
907     REP006-R032:
908       type: array
909       items:
910         $ref: '#/components/schemas/REP006-R032'
911
912
```

REP-006-CustomBlock reworked

```
216 REP-006-CustomBlock:
217   description: REP006 Custom data block
218   type: object
219   additionalProperties:
220     false
221   properties:
222     R013:
223       # GSP Group
224       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/ECS-CommonBlocks/1.7.1#/components/schemas/R013'
225     R007:
226       # Settlement Run Execution
227       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/ECS-CommonBlocks/1.7.1#/components/schemas/R007'
228     R002:
229       # Settlement Run Execution
230       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/ECS-CommonBlocks/1.7.1#/components/schemas/R002'
231   REP006-R015:
232     description: Array of extended Supplier records
233     type: array
234     items:
235       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/ECS-CommonBlocks/1.7.1#/components/schemas/REP006-R015'
236
```

DI-364 and D-I375 updates

Before change:

```
1583
1584 DI-364-Daily-BM-Unit-Period-Level-Consumption-Losses:
1585   # description : The BM Unit's Period Level Consumption Losses summed across Settlement Periods
1586   $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataTypes/1.7.1#/components/schemas/DT-022-Decimal-9-6'
1587
1622 DI-375-Daily-Uncorrected-BM-Unit-Period-Level-Consumption:
1623   # description : The uncorrected BM Unit Allocated Demand Volume summed across all Settlement periods
1624   $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataTypes/1.7.1#/components/schemas/DT-022-Decimal-9-6'
1625
```

After change:

```
1584 DI-364-Daily-BM-Unit-Period-Level-Consumption-Losses:
1585   # description : The BM Unit's Period Level Consumption Losses summed across Settlement Periods
1586   $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataTypes/1.7.1#/components/schemas/DT-022N-Decimal-9-6'
1587
1622 DI-375-Daily-Uncorrected-BM-Unit-Period-Level-Consumption:
1623   # description : The uncorrected BM Unit Allocated Demand Volume summed across all Settlement periods
1624   $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataTypes/1.7.1#/components/schemas/DT-022N-Decimal-9-6'
1625
```

Remove DI-030 Domestic Premise Indicator from R003 block:

Before change:

```
54 R003 :
55   description : CCC Determination Data
56   type: object
57   additionalProperties:
58     false
59   properties:
60     connectionTypeIndicator:
61       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-015-Connection-Type-Indicator'
62     measurementQuantityID:
63       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-052-Measurement-Quantity-ID'
64     marketSegmentIndicator:
65       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-050-Market-Segment-Indicator'
66     domesticPremiseIndicator:
67       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-030-Domestic-Premise-Indicator'
68     consumptionComponentClassID:
69       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-300-Consumption-Component-Class-ID'
70     consumptionComponentIndicator:
71       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-080-Consumption-Component-Indicator'
72   required:
73     - connectionTypeIndicator
74     - measurementQuantityID
75     - marketSegmentIndicator
76     - domesticPremiseIndicator
77     - consumptionComponentClassID
78     - consumptionComponentIndicator
79
```

After change:

```
54 R003 :
55   description : CCC Determination Data
56   type: object
57   additionalProperties:
58     false
59   properties:
60     connectionTypeIndicator:
61       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-015-Connection-Type-Indicator'
62     measurementQuantityID:
63       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-052-Measurement-Quantity-ID'
64     marketSegmentIndicator:
65       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-050-Market-Segment-Indicator'
66 #     domesticPremiseIndicator:
67 #       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-030-Domestic-Premise-Indicator'
68     consumptionComponentClassID:
69       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-300-Consumption-Component-Class-ID'
70     consumptionComponentIndicator:
71       $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/DataCatalogue/1.7.1#/components/schemas/DI-080-Consumption-Component-Indicator'
72   required:
73     - connectionTypeIndicator
74     - measurementQuantityID
75     - marketSegmentIndicator
76 #     - domesticPremiseIndicator
77     - consumptionComponentClassID
78     - consumptionComponentIndicator
79
```

5.1.6 MHHS-DIN-919

Description of Change:

Added B002 block to DES138 IF-003 to provide the Incoming Supplier DIP ID, MPID and Effective From Date on a Reverse Migration de-appointment. Note, all Suppliers will need to be allocated a DIP ID in advance of migration. Required fields in swagger need updating to align with DES-138

IF-003 Custom data block for ReverseMigNotification B013, B094 & B002 marked as required.

Before change:



```
434 IF-003-MSDeAppRM:
435   description: IF-003 Notification of Reverse Migration De-Appointment
436   type: object
437   additionalProperties:
438     false
439   required:
440     - CommonBlock
441     - CustomBlock
442   properties:
443     CommonBlock:
484
485
486     CustomBlock:
487       description: MHHS Custom Block for IF-003 eventcode MSDeAppRM
488       type: object
489       additionalProperties:
490         false
491       required:
492         - B013
493         - B008
494       properties:
495         B013:
496           # CSS Switch ID
497           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
498
499         B008:
500           # metering Service De-Appointment Details (Mandatory for [MSDeAppRM])
501           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B008'
502
503
504
505
506
507 IF-003-DSDeAppRM:
508   description: IF-003 Notification of Reverse Migration De-Appointment eventcode DSDeAppRM
509   type: object
510   additionalProperties:
511     false
512   required:
513     - CommonBlock
514     - CustomBlock
515   properties:
516     CommonBlock:
556
557
558     CustomBlock:
559       description: IF-003 Custom data block for DSDeAppRM
560       type: object
561       additionalProperties:
562         false
563       required:
564         - B013
565         - B008
566         - B009
567       properties:
568         B013:
569           # CSS Switch ID
570           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
571
572         B008:
573           # metering Service De-Appointment Details (Mandatory for [MSDeAppRM])
574           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B008'
575
576         B009:
577           # Data Service De-Appointment Details (Mandatory for [DSDeAppRM])
578           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B009'
579
580 # end IF-003-DSDeAppRM
581
```

```

582 IF-003-MSDeAppUpdateRM:
583   description: IF-003 Notification of Reverse Migration De-Appointment
584   type: object
585   additionalProperties:
586     false
587   required:
588     - CommonBlock
589     - CustomBlock
590   properties:
591     CommonBlock: 
592
593
594
595
596
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634
635   CustomBlock:
636     description: IF-003 Custom data block for MSDeAppUpdateRM
637     type: object
638     additionalProperties:
639       false
640     properties:
641       B013:
642         # CSS Switch ID
643         $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
644
645       B095:
646         # Incoming MOP Details
647         $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B095'
648
649   # end IF-003-MSDeAppUpdateRM
650
651 IF-003-DSDeAppUpdateRM:
652   description: IF-003 Notification of Reverse Migration De-Appointment
653   type: object
654   additionalProperties:
655     false
656   required:
657     - CommonBlock
658     - CustomBlock
659   properties:
660     CommonBlock: 
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771   CustomBlock:
772     description: IF-003 Custom data block for DSDeAppUpdateRM
773     type: object
774     additionalProperties:
775       false
776     properties:
777       B013:
778         # CSS Switch ID
779         $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
780
781       B096:
782         # Incoming DC Details
783         $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B096'
784
785   # end IF-003-DSDeAppUpdateRM
786
787 IF-003-ReverseMigNotification:
788   description: IF-003 Notification of Reverse Migration De-Appointment
789   type: object
790   additionalProperties:
791     false
792   required:
793     - CommonBlock
794     - CustomBlock
795   properties:
796     CommonBlock: 
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```


After change:


```
435 IF-003-MSDeAppRM:
436   description: IF-003 Notification of Reverse Migration De-Appointment
437   type: object
438   additionalProperties:
439     false
440   required:
441     - CommonBlock
442     - CustomBlock
443   properties:
444     CommonBlock: 
485
486
487   CustomBlock:
488     description: MHHS Custom Block for IF-003 eventcode MSDeAppRM
489     type: object
490     additionalProperties:
491       false
492     required:
493       - B013
494       - B008
495       - B002
496     properties:
497       B013:
498         # CSS Switch ID
499         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
500
501       B008:
502         # metering Service De-Appointment Details (Mandatory for [MSDeAppRM])
503         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B008'
504
505       B002: #DIN-919
506         # Incoming Supplier Information (Mandatory)
507         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B002'
508
509
510 IF-003-DSDAppRM:
511   description: IF-003 Notification of Reverse Migration De-Appointment eventcode DSDAppRM
512   type: object
513   additionalProperties:
514     false
515   required:
516     - CommonBlock
517     - CustomBlock
518   properties:
519     CommonBlock: 
559
560
561   CustomBlock:
562     description: IF-003 Custom data block for DSDAppRM
563     type: object
564     additionalProperties:
565       false
566     required:
567       - B013
568       - B009
569       - B002
570     properties:
571       B013:
572         # CSS Switch ID
573         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
574
575       B009:
576         # Data Service De-Appointment Details (Mandatory for [DSDAppRM])
577         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B009'
578
579       B002: #DIN-919
580         # Incoming Supplier Information (Mandatory)
581         $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B002'
582
583
```

```

591 IF-003-MSDeAppUpdateRM:
592   description: IF-003 Notification of Reverse Migration De-Appointment
593   type: object
594   additionalProperties:
595     false
596   required:
597     - CommonBlock
598     - CustomBlock
599   properties:
600     CommonBlock:
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```

```

741 IF-003-ReverseMigNotification:
742   description: IF-003 Notification of Reverse Migration De-Appointment
743   type: object
744   additionalProperties:
745     false
746   required:
747     - CommonBlock
748     - CustomBlock
749   properties:
750     CommonBlock: 
791
792
793     CustomBlock:
794       description: IF-003 Custom data block for ReverseMigNotification
795       type: object
796       additionalProperties:
797         false
798       required:
799         - B013
800         - B094
801         - B002
802       properties:
803         B013:
804           # CSS Switch ID
805           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
806
807         B094:
808           # Incoming MOP Details
809           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B094'
810
811         B002: #DIN-919
812           # Incoming Supplier Information (Mandatory)
813           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B002'
814
815

```


5.1.7 MHHS-DIN-922

Description of change

IF-014 CustomBlock - needs updating and align required properties, should be B900 not B900List

Before change:

```

2028 IF-014-Payload:
2029   description: IF-014 Rejected - UTC Settlement Period Consumption Data
2030   type: object
2031   additionalProperties:
2032     false
2033   required:
2034     - CommonBlock
2035     - CustomBlock
2036   properties:
2037     CommonBlock: 
2083
2084     CustomBlock:
2085       description: IF014 Custom data block
2086       type: object
2087       additionalProperties:
2088         false
2089       required:
2090         - B044
2091         - B067
2092         - B900List
2093       properties:
2094         B044:
2095           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7#/components/schemas/B044'
2096         B067:
2097           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7#/components/schemas/B067'
2098         B900:
2099           # DIN-709 updated from a list to a single item to match IF-021 interface
2100           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7#/components/schemas/B900'
2101

```

After change:

```
2059 IF-014-Payload:
2060   description: IF-014 Rejected - UTC Settlement Period Consumption Data
2061   type: object
2062   additionalProperties:
2063     false
2064   required:
2065     - CommonBlock
2066     - CustomBlock
2067   properties:
2068     CommonBlock:
2114
2115     CustomBlock:
2116       description: IF014 Custom data block
2117       type: object
2118       additionalProperties:
2119         false
2120       required:
2121         - B044
2122         - B067
2123         - B900 # DIN-922
2124       properties:
2125         B044:
2126           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B044'
2127         B067:
2128           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B067'
2129         B900:
2130           # DIN-709 updated from a list to a single item to match IF-021 interface
2131           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B900'
2132
2133
```

5.1.8 MHHS-DIN-924 & MHHS-DIN-925

Description of change

Two DINs in the same area of the specification, please note there are multiple DIN changes in below screenshots:

DIN-924: reports there are missing parameters in webhook callback, The definition in the webhook callback in swagger is missing the definition

- \$ref: '#/components/parameters/CommonSignatureHeader'
- \$ref: '#/components/parameters/CommonSignatureDateHeader'
- \$ref: '#/components/parameters/CommonSHA256Header'
- \$ref: '#/components/parameters/CommonSignatureCertificateHeader'

DIN-925: requires a parameter to be added the webhook callback so that the MTLs cert can be authenticated by the MTLs connection. No impact on MPs, Avande improving the security handshake on the callback

Before change 1:

```
291 /dip-channel/{id}/pubconfig/{recipient-id}:
292 post:
293   summary: Configure DIP Channel Publication
294   description: Allows a Market Participant to configure the output channel
295   operationId: configurePublication
296   tags:
297     - DIP Channel Publication Configuration
298   parameters:
299     - $ref: '#/components/parameters/MessageChannel'
300     - $ref: '#/components/parameters/MessageRecipientId'
301     - $ref: '#/components/parameters/CommonSignatureHeader'
302     - $ref: '#/components/parameters/CommonSignatureDateHeader'
303     - $ref: '#/components/parameters/CommonSHA256Header'
304     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
305
306   requestBody:
307     required: true
308     content:
309       application/json:
310         schema:
311           $ref: '#/components/schemas/WebhookConfig'
312
313   callbacks:
314     outEvent:
315       '{$request.body#/config.callbackURL}':
316         post:
317           requestBody:
318             required: true
319             content:
320               application/json:
321                 schema:
322                   $ref: '#/components/schemas/DIPMessageArray'
323
324   responses:
325     '201':
326       description: Messages Created
327       content:
328         application/json:
329           schema:
330             $ref: '#/components/schemas/StandardResponse'
331
332     '207':
333       description: Some Messages Created
334       content:
335         application/json:
336           schema:
337             $ref: '#/components/schemas/StandardResponse'
338
339     '400': # no retry
340       description: Bad Request
```

Before change 2:

```
529 ▾ /statusmessage/config/{recipient-id}:
530 ▾   parameters:
531 ▾     - $ref: '#/components/parameters/MessageRecipientId'
532 ▾     - $ref: '#/components/parameters/CommonSignatureHeader'
533 ▾     - $ref: '#/components/parameters/CommonSignatureDateHeader'
534 ▾     - $ref: '#/components/parameters/CommonSHA256Header'
535 ▾     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
536 ▾   post:
537 ▾     summary: Webhook to pull a series of status messages
538 ▾     description: Allows a Market Participant to get a series of status messages
539 ▾     operationId: postStatusMsgWebhook
540 ▾     tags:
541 ▾       - Status Messages
542 ▾
543 ▾     requestBody:
544 ▾       required: true
545 ▾       content:
546 ▾         application/json:
547 ▾           schema:
548 ▾             $ref: '#/components/schemas/WebhookConfig'
549 ▾
550 ▾     responses:
551 ▾       '201':
552 ▾         description: Webhook created
553 ▾
554 ▾       '401':
555 ▾         description: Unauthorised Error
556 ▾
557 ▾
558 ▾     callbacks:
559 ▾       outEvent:
560 ▾         '{$request.body#/callbackURL}':
561 ▾           post:
562 ▾             requestBody:
563 ▾               required: true
564 ▾               content:
565 ▾                 application/json:
566 ▾                   schema:
567 ▾                     $ref: '#/components/schemas/StandardResponseArray'
568 ▾             responses:
569 ▾               '200':
570 ▾                 description: OK
571 ▾
```

After change 1:

```
291 /dip-channel/{id}/pubconfig/{recipient-id}:
292   post:
293     summary: Configure DIP Channel Publication
294     description: Allows a Market Participant to configure the output channel
295     operationId: configurePublication
296     tags:
297       - DIP Channel Publication Configuration
298     parameters:
299       - $ref: '#/components/parameters/MessageChannel'
300       - $ref: '#/components/parameters/MessageRecipientId'
301       - $ref: '#/components/parameters/CommonSignatureHeader'
302       - $ref: '#/components/parameters/CommonSignatureDateHeader'
303       - $ref: '#/components/parameters/CommonSHA256Header'
304       - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
305
306     requestBody:
307       required: true
308       content:
309         application/json:
310           schema:
311             $ref: '#/components/schemas/WebhookConfig'
312
313     callbacks:
314       outEvent:
315         '{$request.body#/config.callbackURL}':
316           post:
317             parameters:
318               - $ref: '#/components/parameters/CommonSignatureHeader'
319               - $ref: '#/components/parameters/CommonSignatureDateHeader'
320               - $ref: '#/components/parameters/CommonSHA256Header'
321               - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
322               - $ref: '#/components/parameters/CommonMPODetails'
323
324           requestBody:
325             required: true
326             content:
327               application/json:
328                 schema:
329                   $ref: '#/components/schemas/DIPMessageArray'
330
331           responses:
332             '201':
333               description: Messages Created
334               content:
335                 application/json:
336                   schema:
337                     $ref: '#/components/schemas/StandardResponse'
338
339             '207':
340               description: Some Messages Created
341               content:
342                 application/json:
343                   schema:
344                     $ref: '#/components/schemas/StandardResponse'
345
```

After change 2:

```
514 /statusmessage/config/{recipient-id}:
515   parameters:
516     - $ref: '#/components/parameters/MessageRecipientId'
517     - $ref: '#/components/parameters/CommonSignatureHeader'
518     - $ref: '#/components/parameters/CommonSignatureDateHeader'
519     - $ref: '#/components/parameters/CommonSHA256Header'
520     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
521   post:
522     summary: Webhook to pull a series of status messages
523     description: Allows a Market Participant to get a series of status messages
524     operationId: postStatusMsgWebhook
525     tags:
526       - Status Messages
527
528     requestBody:
529       required: true
530       content:
531         application/json:
532           schema:
533             $ref: '#/components/schemas/WebhookConfig'
534
535     responses:
536       '201':
537         description: Webhook created
538
539       '401':
540         description: Unauthorised Error
541
542
543     callbacks:
544       outEvent:
545         '{$request.body#/callbackURL}':
546           post:
547             parameters:
548               - $ref: '#/components/parameters/CommonSignatureHeader'
549               - $ref: '#/components/parameters/CommonSignatureDateHeader'
550               - $ref: '#/components/parameters/CommonSHA256Header'
551               - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
552               - $ref: '#/components/parameters/CommonMPODetails'
553
554             requestBody:
555               required: true
556               content:
557                 application/json:
558                   schema:
559                     $ref: '#/components/schemas/StandardResponseArray'
560
561             responses:
562               '200':
563                 description: OK
564
565   delete:
566     summary: Delete existing Status Message configuration
567     description: Delete an existing webhook for Status Messages
568     tags:
569       - Status Messages
570     parameters:
571       - $ref: '#/components/parameters/MessageRecipientId'
572       - $ref: '#/components/parameters/CommonSignatureHeader'
573       - $ref: '#/components/parameters/CommonSignatureDateHeader'
574       - $ref: '#/components/parameters/CommonSHA256Header'
575       - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
```

After change 3:

```
656 CommonMPODetails:
657   name: X-DIP-MPO
658   schema:
659     type: string
660   in: header
661   required: false
662
```


5.1.9 MHHS-DIN-926

Description of change


Change the description of the response text associated with a response code 204.


Before change:

```
290
291 /dip-channel/{id}/pubconfig/{recipient-id}:
292   post:
386
387   delete:
388     summary: Delete existing Publication configuration
389     description: Delete an existing webhook for PUB-001 publication
390     tags:
391       - DIP Channel Publication Configuration
392     parameters:
393       - $ref: '#/components/parameters/MessageChannel'
394       - $ref: '#/components/parameters/MessageRecipientId'
395       - $ref: '#/components/parameters/CommonSignatureHeader'
396       - $ref: '#/components/parameters/CommonSignatureDateHeader'
397       - $ref: '#/components/parameters/CommonSHA256Header'
398       - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
399
400     responses:
401       '204':
402         description: Publication config deleted
403       '401':
404         description: Unauthorised Error
405
```

```
539 /statusmessage/config/{recipient-id}:
540   parameters:
541     - $ref: '#/components/parameters/MessageRecipientId'
542     - $ref: '#/components/parameters/CommonSignatureHeader'
543     - $ref: '#/components/parameters/CommonSignatureDateHeader'
544     - $ref: '#/components/parameters/CommonSHA256Header'
545     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
546   post:
588
589   delete:
590     summary: Delete existing Status Message configuration
591     description: Delete an existing webhook for Status Messages
592     tags:
593       - Status Messages
594     parameters:
595       - $ref: '#/components/parameters/MessageRecipientId'
596       - $ref: '#/components/parameters/CommonSignatureHeader'
597       - $ref: '#/components/parameters/CommonSignatureDateHeader'
598       - $ref: '#/components/parameters/CommonSHA256Header'
599       - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
600
601     responses:
602       '204':
603         description: Publication config deleted
604       '401':
605         description: Unauthorised Error
606
```

After change:

```
291 ▾ /dip-channel/{id}/pubconfig/{recipient-id}:
292 ▾   post: 
386
387 ▾   delete:
388     summary: Delete existing Publication configuration
389     description: Delete an existing webhook for PUB-001 publication
390     tags:
391     - DIP Channel Publication Configuration
392     parameters:
393     - $ref: '#/components/parameters/MessageChannel'
394     - $ref: '#/components/parameters/MessageRecipientId'
395     - $ref: '#/components/parameters/CommonSignatureHeader'
396     - $ref: '#/components/parameters/CommonSignatureDateHeader'
397     - $ref: '#/components/parameters/CommonSHA256Header'
398     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
399
400     responses:
401     '204':
402       description: No Content
403     '401':
404       description: Unauthorised Error
405
```

```
539 ▾ /statusmessage/config/{recipient-id}:
540 ▾   parameters:
541     - $ref: '#/components/parameters/MessageRecipientId'
542     - $ref: '#/components/parameters/CommonSignatureHeader'
543     - $ref: '#/components/parameters/CommonSignatureDateHeader'
544     - $ref: '#/components/parameters/CommonSHA256Header'
545     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
546 ▾   post: 
588
589 ▾   delete:
590     summary: Delete existing Status Message configuration
591     description: Delete an existing webhook for Status Messages
592     tags:
593     - Status Messages
594     parameters:
595     - $ref: '#/components/parameters/MessageRecipientId'
596     - $ref: '#/components/parameters/CommonSignatureHeader'
597     - $ref: '#/components/parameters/CommonSignatureDateHeader'
598     - $ref: '#/components/parameters/CommonSHA256Header'
599     - $ref: '#/components/parameters/CommonSignatureCertificateHeader'
600
601     responses:
602     '204':
603       description: No Content
604     '401':
605       description: Unauthorised Error
606
```

5.1.10 MHHS-DIN-928



Description of change

IF-037 [DS|MS] DeAppUpdate event codes the B010/B011 need to be marked as required.

Before change:

```
6914 IF-037-MSDeAppUpdate:
6915   description: IF-037 Service Provider Notification of Appointment for event code MSDeAppUpdate
6916   type: object
6917   required:
6918     - CommonBlock
6919     - CustomBlock
6920   additionalProperties:
6921     false
6922   properties:
6923     CommonBlock:
6966
6967
6968
6969     CustomBlock:
6970       description: IF037 Custom data block for event code MSDeAppUpdate & DSDeAppUpdate
6971       type: object
6972       additionalProperties:
6973         false
6974       properties:
6975         B013:
6976           # CSS Switch ID
6977           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
6978         B010:
6979           # CSS Switch ID
6980           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B010'
6981
6982
6983 IF-037-DSDeAppUpdate:
6984   description: IF-037 Service Provider Notification of Appointment for event code DSDeAppUpdate
6985   type: object
6986   required:
6987     - CommonBlock
6988     - CustomBlock
6989   additionalProperties:
6990     false
6991   properties:
6992     CommonBlock:
7035
7036
7037
7038     CustomBlock:
7039       description: IF037 Custom data block for event code DSDeAppUpdate
7040       type: object
7041       additionalProperties:
7042         false
7043       properties:
7044         B013:
7045           # CSS Switch ID
7046           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
7047         B011:
7048           # CSS Switch ID
7049           $ref: 'https://api.swaggerhub.com/domains/MHHSPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B011'
7050
```

After change:

```
6914 - IF-037-MSDeAppUpdate:
6915 -   description: IF-037 Service Provider Notification of Appointment for event code MSDeAppUpdate
6916 -   type: object
6917 -   required:
6918 -     - CommonBlock
6919 -     - CustomBlock
6920 -   additionalProperties:
6921 -     false
6922 -   properties:
6923 -     CommonBlock: 
6966 -
6967 -
6968 -
6969 -     CustomBlock:
6970 -       description: IF037 Custom data block for event code MSDeAppUpdate & DSDeAppUpdate
6971 -       type: object
6972 -       additionalProperties:
6973 -         false
6974 -       required:
6975 -         - B010
6976 -       properties:
6977 -         B013:
6978 -           # CSS Switch ID
6979 -           $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
6980 -         B010:
6981 -           # CSS Switch ID
6982 -           $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B010'
6983 -
6984 -
6985 - IF-037-DSDeAppUpdate:
6986 -   description: IF-037 Service Provider Notification of Appointment for event code DSDeAppUpdate
6987 -   type: object
6988 -   required:
6989 -     - CommonBlock
6990 -     - CustomBlock
6991 -   additionalProperties:
6992 -     false
6993 -   properties:
6994 -     CommonBlock: 
7037 -
7038 -
7039 -
7040 -     CustomBlock:
7041 -       description: IF037 Custom data block for event code DSDeAppUpdate
7042 -       type: object
7043 -       additionalProperties:
7044 -         false
7045 -       required:
7046 -         - B011
7047 -       properties:
7048 -         B013:
7049 -           # CSS Switch ID
7050 -           $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B013'
7051 -         B011:
7052 -           # CSS Switch ID
7053 -           $ref: 'https://api.swaggerhub.com/domains/MHHSPPROGRAMME/RealCommonBlocks/1.7.1#/components/schemas/B011'
7054 -
```

5.1.11 MHHS-DIN-931

Description of change

DIP API responses with a 400 return code require a response body as further information as to the failure may be passed in the response.

Before change:

```
199 paths:
200 /dip-channel/{id}:
201   summary: DIP Interface Channels
202   description: Represents a single DIP messaging channel. Each interface/publication/report is identified by a 'id'
203
204   post:
205     summary: Submit a series of Interface messages
206     description: Allows a Market Participant to submit a series of messages on a DIP interface
207     operationId: sendMessage
208     tags:
209       - DIP Message Channel
210     parameters:
211
212     requestBody:
213
214
215   responses:
216     '201':
217       description: Messages created
218       content:
219         application/json:
220           schema:
221             $ref: '#/components/schemas/StandardResponse'
222     '207':
223       description: Some messages created
224       content:
225         application/json:
226           schema:
227             $ref: '#/components/schemas/StandardResponse'
228     '400':
229       description: Bad Request
230     '401':
231       description: Unauthorised Error
```

After change:

```
199 paths:
200 /dip-channel/{id}:
201   summary: DIP Interface Channels
202   description: Represents a single DIP messaging channel. Each interface/publication/report is identified by a 'id'
203
204   post:
205     summary: Submit a series of Interface messages
206     description: Allows a Market Participant to submit a series of messages on a DIP interface
207     operationId: sendMessage
208     tags:
209       - DIP Message Channel
210     parameters:
211
212     requestBody:
213
214
215   responses:
216     '201':
217       description: Messages created
218       content:
219         application/json:
220           schema:
221             $ref: '#/components/schemas/StandardResponse'
222     '207':
223       description: Some messages created
224       content:
225         application/json:
226           schema:
227             $ref: '#/components/schemas/StandardResponse'
228     '400':
229       description: Bad Request
230       content:
231         application/json:
232           schema:
233             $ref: '#/components/schemas/StandardResponse'
```

5.1.12 MHHS-DIN-941

Description

Update to DI-122 Profile Class to allow value to be provided with min length of 1 and max length of 2 in swagger so that, for example, either 1 or 01 are accepted. Original DIN-720 reimplemented.

Before:

```
890 DI-122-Profile-Class:
891 # DIN-720 update
892 description : A legacy classification, retained soley for a subset of Traditional Meters, to assist
      with the allocation of gross consumption to individual Settlement Periods.
893 type : string # MHHS-DIN-367 - updated to string from integer
894 nullable: true
895 minLength : 2
896 maxLength : 2
897 pattern: ^\d{2}$
898 example : '02'
```

After:

```
891 DI-122-Profile-Class:
892 # DIN-720 update
893 # DIN-941 update
894 description : A legacy classification, retained soley for a subset of Traditional Meters, to assist
      with the allocation of gross consumption to individual Settlement Periods.
895 type : string # MHHS-DIN-367 - updated to string from integer
896 nullable: true
897 minLength : 1
898 maxLength : 2
899 pattern: ^\d{1,2}$
900 example : '02'
901
```

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

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