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I0241 – MHHS INCREMENTAL CHANGES FOR GO LIVE

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CHANGE ISSUES GROUP - 06 MARCH 2025

OBJECTIVES FOR 6 MARCH 2025

- Deeper dive into scope items
  - Related Metering Points during Migration
  - Programme design updates
  - Electricity Enquiry Service (EES) API Consequential Change
  - Energy Market Data Specification (EMDS) Code Corrections

- Confirm impact assessment approach and next steps for each scope item

I0241 - MHHS Incremental Changes for go live

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RELATED METERING POINTS DURING MIGRATION

RELATED MPANS UNDER MHHS

New Data Integration Platform (DIP) Market Messages will replace existing DTN messages to establish/amend Related Metering Point relationships:

- IF-019 (Manage Meterpoint Relationships)
- IF-020 (Manage Meterpoint Relationships Response)

Current

Where a Related Metering Point association is in place, the Supplier registered to the Primary Metering Point would be auto-registered to the Secondary Related Metering Point by the CSS.

MHHS

Extends existing arrangements to also apply to Supplier Agent appointments. MOA (and Data Service) appointment to be progressed in relation to the Primary Related Metering Point, with the MOA (and Data Service) auto-appointed to any Secondary Related Metering Points.

DEL961 MIGRATION DESIGN DOCUMENT

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"**9. Related MPANs**

1. Related MPANs will be treated in line with the business rules set out as part of the MHHS BAU Design throughout the Migration period.
2. An IF-031 can only ever be submitted to migrate a Primary MPAN. Any IF-031 that is submitted for a Secondary MPAN will be rejected.
3. Secondary MPANs will automatically be migrated alongside Primary MPANs. Following the appointment of the Service Provider, the Registration Service will send an IF-036 for both Primary and Secondary MPANs.
4. Separate D0170's will be issued for all Primary and Secondary MPANs.
5. The same MS and DS must be appointed to Primary and Secondary MPANs.
6. For Reverse Migration, Primary and Secondary MPANs will undergo a Switch and Migration at the same point in time. A Pending Registration must be received for each MPAN separately and the Registration Service will not perform any auto-Reverse Migration."

DEL961 MIGRATION DESIGN DOCUMENT

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13.2.7 IF-019

1. The structure of the IF-019 (Manage Meterpoint Relationships) will not change.

2. New validation rule will be applied to the IF-019:
   a. REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN

3. Business Rules:
   a. If a Reverse Migration is underway or MPAN is Legacy and an IF-019 is sent, this will be rejected using REG9010 validation rule. An IF-020 will then be sent back with Response Code (DI-979): R; and Response Message (DI-980): REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN.
   b. If a Forward Migration is underway and an IF-019 is sent, this will be rejected using REG9010 validation rule. An IF-020 will then be sent back with Response Code (DI-979): R; and Response Message (DI-980): REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN.

13.2.8 IF-020

1. The structure of the IF-020 (Manage Meterpoint Relationships Response) will not change.

2. Data Item ‘Response Message’ (DI-980) related enumeration will include 1 additional value:

   Enumeration Value: ‘ REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN’

Business Rules:

   a. If a Reverse Migration is underway or MPAN is Legacy and an IF-019 is sent, this will be rejected using REG9010 validation rule. An IF-020 will be sent back with Response Code (DI979): R; and Response Message (DI-980): REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN.
   b. If a Forward Migration is underway and an IF-019 is sent, this will be rejected using REG9010 validation rule. An IF-020 will then be sent back with Response Code (DI-979): R; and Response Message (DI-980): REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN.

DEL961 MIGRATION DESIGN DOCUMENT

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13.1.9 D0386

1. The structure of the D0386 will not change.

2. New validation rule will be applied to the D0386:
   a. "Reject if Forward Migration underway or MPAN is MHHS"

3. Data Item 'Related MPAN Response Code' (J2240) related enumeration will include 1 additional value:
   a. Enumeration Value: Y; Enumeration Description: Forward Migration Underway or MPAN is MHHS

4. Business Rules:
   a. If a Forward Migration is underway or MPAN is already MHHS and a D0386 is sent, this will be rejected. A D0386 will be sent back with enumeration value Y in the 'Related MPAN Response Code' data item to specify the rejection reason.

DIP INTERFACE VALIDATION

DI-073	Principal MPAN	The Principal MPAN in a Related/Linked MPAN Relationship

DI-074	Subsidiary MPAN	The subsidiary MPAN in a Related/Linked MPAN Relationship

DES138 – Interface Catalogue - IF019*

Receiving Party Business Validation Rules for Migration:

If either MPAN [DI-073] or any [DI-074] is subject to an active MCA Service Provider Appointment		REG9010 - Cannot Manage MPAN Relationships for an Unmigrated MPAN

There are no validation rules regarding Unmigrated MPANs for MPANs not going through Migration (ie ‘subject to an active MCA Service Provider Appointment’)

*taken from DES138 v5.8.7

REC MHHS CODE DRAFTING

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REC MHHS Migration Schedule

- Only addresses how Related Metering Points should be treated during a Migration (via a Switch or Change of Agent), or Reverse Migration, where a relationship is already established.
- It does not address Related Metering Point relationship creation during the Transition Period overall
- This is consistent with the rest of the Schedule, and section 9 of the Migration Design Document

Therefore, do not expect any new drafting requirement

REC Schedule 28 – Related Metering Points

- Provides that SMRA should be notified for creating MHHS Metering Points and ERDA for non-MHHS Metering Points
- Provides the processes for creating relationships for all MHHS Metering Points or all non-MHHS Metering Points
- Is silent on whether a relationship can or cannot be created across MPANs that are and are not MHHS Metering Points

Potential for new drafting requirement to provide clarification

ASSUMPTIONS & QUESTIONS

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- A non-MHHS Metering Point and an MHHS Metering Point cannot have a relationship created
  - Do you agree?
  - Discuss
  - Any other Supplier assumptions when requesting relationships during MHHS Transition?
- What validations have been built in Central Systems?
  - Will the SMRA reject an IF-019 if the Metering Points are not all MHHS
  - Will the ERDA reject a D0386 if the Metering Points are not all non-MHHS
- Would a clarification in the REC be helpful?
- Would a clarification in the REC impact Parties?
  - If yes, how?
- Do you agree that the clarification should be in the Related Metering Points Schedule and not the Migration Schedule?
- What impact would not having a clarification create?
  - On Parties
  - On MHHS Migration plans

USEFUL INFORMATION

Zip file of relevant docs to be hosted on I0241 REC Portal page:

- DES138 v5.8.7 IF-019 and IF-020 cut
- DES961 Migration Design Document
- Schedule 28 – Related Metering Points vMHHS
- Schedule XX MHHS Migration

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PROGRAMME DESIGN UPDATES

MHHS DESIGN ISSUE NOTES AND CHANGE REQUESTS

Source Ref	Interim release	Description	Code Artefact	M8 Change Control Ref
DIN 1114	8.3	DI-030 Domestic Premise Indicator - Boolean update	EMDS	M8-008
DIN 1128	8.4	IF008 (REC – DIN1128) Adding an exclusion against correlation id and in the notes box to clarify the correlation id is not required where the SMRS auto de-energises	EMDS	M8-013
CR-056 & DIN 1138	8.5	7.3B The ERDA shall provide Supplier Agent and SMDR Appointment data in a single CSS00200 Market Message per Metering Point by 23:00 hours on the day the agent appointment is issued by the equivalent SMRA.	ERDS Service Definition	M8-030
DIN 0431	5	Change D0386 validation to reject changes to related MPANs if any related MPAN in group is subject to active Migration SP Appointment Process	EMDS	To be added

Notes

- Design Issue Notification (DIN) log to be uploaded to the I0241 REC Portal Page
- These changes to the MHHS Design have already been approved by the MHHS Programme

DIN-1114 CLARIFICATION ON BOOLEAN DEFINITIONS

- Design update agreed within programme and released in Design Interim Release 8.3
- DIN Solution: Amend design artefacts to align with the agreed Boolean definition as per Swagger and guidance documentation
  - Correct Boolean examples to be **lower case**
  - 8 data items: 7 BSC owned; 1 REC owned
  - DI-030 ‘Domestic Premise Indicator’ is a REC-owned Data Item, therefore requires REC to update the Data Specification
- Impact assessment already considered by MHHS Programme and update accepted by REC Parties already via Programme participation. Reference documents:
  - DIN Log I0241 cut
  - MHHS DEL1275 Design Interim Release 8.3 Note v1.0
- Drafting included in updated EMDS file published via the MHHS Programme website on 28/02/2025
  - Extract to be provided on I0241 REC Portal Page by 06/03

DIN-1128 NULL CORRELATION ID'S ON IF-008

- Design update agreed within programme and released in Design Interim Release 8.4
- DIN Solution: Update DIP to allow Null correlation ID's for IF-008 and update DES138 to show that a null correlation ID may be issued where an unsolicited IF-008 is issued

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

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

* reference the Interface Notes below

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

DIN-1128 NULL CORRELATION ID'S ON IF-008

- IF-008 - SMRS Notification of Change of Energisation Status is a REC-owned Market Message, therefore requires REC to update the Data Specification
- Impact assessment already considered by MHHS Programme and update accepted by REC Parties already via Programme participation. Reference documents:
  - DIN Log I0241 cut
  - MHHS DEL1275 Design Interim Release 8.4 Note v1.0
- Updated Code Drafting included in updated EMDS file published via the MHHS Programme website on 28/02/2025
  - Extract to be provided on I0241 REC Portal Page by 06/03

DIN-1138 BATCHING OF ERDS TO CSS AGENT APPOINTMENT FILES

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- Initially raised as Programme CR-056 'Batching of ERDS to CSS Agent Appointment Files'
  - An issue has been identifed whereby multithreading used by CSS Adaptors operated by Electricty Registration Data Agents (ERDAs) may switch the order of the messages and send the CSS00200 messages to the CSS in the incorrect order. There is no mechanism within the CSS to identify the order in which the messages should be received.
- Design update agreed within programme and released in Design Interim Release 8.4
- The MPRS service provider to ERDAs and the CSS Provider are delivering to the updated design
- DIN solution: Changes to Operational Choreography
  - Update to table 4.4 'Activity Required at Secured Active Window'
  - Remove the actions 'Registration Service Issues CSS Sync Message updating MDR' and 'CSS updates DCC of MDR' from 20.00 – 21.00 window.
  - Add 'Registration Issues single CSS Sync Message (CSS00200) updating MDR and / or MS' and CSS updates Smart DSP of MDR and / or MS' into 20.00 – 23.00 window.
  - Update to Section 7.0 'Out of Hours Processing' CSS Messages
  - Requirement to be updated to 'Required to be issued as a message file in the Secured Active Processing window on all Calendar Days.
- REC Code Drafting update required to the ERDS Service Definition:
  - currently reflects separate messages for MDR and Metering Service appointments
  - needs to reflect single message requirement

DIN-0431 MIG-13 CHANGE TO D0386

- Design update included baselined Migration Design Document, included in Design Interim Release 5 (tbc)
- DIN Solution: Change D0386 validation to reject changes to related MPANs if any related MPAN in group is subject to active Migration SP Appointment Process

New validation rule will be applied to the D0386:

a. "Reject if Forward Migration underway or MPAN is MHHS"

Data Item 'Related MPAN Response Code' (J2240) related enumeration will include 1 additional value:

a. Enumeration Value: Y; Enumeration Description: Forward Migration Underway or MPAN is MHHS

- REC Code Drafting – Consequential Change update required to REC-owned D0386 and J2240

USEFUL INFORMATION

Zip file of relevant docs to be hosted on I0241 REC Portal page:

- DIN Log I0241 cut
- MHHS DEL1275 Design Interim Release 8.3 Note v1.0
- MHHS DEL1275 Design Interim Release 8.4 Note v1.0
- MHHS DEL1275 Design Interim Release 8.5 Note v1.0
- ERDS Service Definition MHHS v1.0 (Approved in R0209)
- DEL-961 Migration Design Document

Code Manager proposed recommendation

- No impact assessment required for these three I0241 scope items
- Confirm in scope for M8 Change Proposal

Ask of CHIG – confirm support for the proposed recommendation

- No impact assessment required for these three I0241 scope items
- Confirm in scope for M8 Change Proposal

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EES API CONSEQUENTIAL CHANGE

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EES API-1: Removal of capitalisation from the return detail tables

API returns will always be lower case

- Section 12 GetRelatedMPANs, sub-section 12.5 Response Data Items
  - ‘secondary_mpan_mhhs_indicator_efd’ - Capital S corrected to lower case
- Section 17 GetAssociatedMPANs, sub-section 17.5 Response Data Items
  - ‘import_mpan_mhhs_indicator_efd’ - Capital I corrected to lower case

EES API-2: Removal of the MHHS Indicator and EFD from the SearchAddress Method

There is no different in the response for a MHHS or legacy MPAN.

- Section 16 SearchAddress, sub-section 16.5 Response Data Items
  - ‘mhhs_indicator’ and ‘mhhs_indicator_efd’ removed

EES API-3: Addition of the MHHS Indicator and EFD to the ‘GetCSSMessage’ method

To enable Parties to identify when the Supplier DIP ID will be present

- Section 15 GetCSSMessages, sub-section 15.5 Response Data Items
  - ‘mhhs_indicator’ and ‘mhhs_indicator_efd’ added

EES API-4: Removal of the ‘Metered Indicator ETD’

The Metered Indicator ETD is not provided on a DIP file and isn’t appropriate given the item can only be changed once as a corrective action - an MPAN cannot change between Unmetered and Metered midlife

- Section 9 GetTechnicalDetailsByMpan, sub-section 9.5 Returned Technical Detail Data Items
  - ‘metered_indicator_etd’ updated to not be returned in MHHS Arrangements

EES API CONSEQUENTIAL CHANGE

- Updates identified during testing by MHHS Programme Participants and corrections required to the specification to meet the API technical build
- EES API Technical Specification was developed as part of a REC MHHS Consequential Change, rather than as part of the MHHS Design
- Impact assessment requirement to be confirmed
  - Under Consequential Change, industry provided with opportunity to review prior to Code Drafting consultation
- Proposed drafting to be provided on I0241 REC Portal Page and/or at Impact Assessment. Current baseline reference:
  - ERDS Service Definition MHHSv1.0 (Approved through R0209)

Ask of CHIG

- Provide input to impact assessment approach for these EES API specification I0241 scope items
- Provide indication of support for inclusion in scope for M8 Change Proposal

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EMDS CORRECTIONS

EMDS REVIEW CODE CORRECTIONS

- Issue identified regarding updates that were made to translate the MHHS Design into the MHHS version of the Energy Market Data Specification (EMDS)
- All discrepancies between the EMDS and the MHHS Design have been identified
- These are not design changes; they are corrections to the EMDS drafting files
- A list of the identified issues has been published on the MHHS Programme's 'M8 Change Control Log' on the Pre-M8 Change page of the MHHS Collaboration Base, alongside other Code Drafting changes required for M8
  - REC specific view of corrections to be provided on I0241 REC Portal page by 06/03
- The amendments to be included in the new EMDS drafting HTML file align with the MHHS Design baselined artefacts and do not require impact assessment

Code Manager proposed recommendation

- No impact assessment required for the EMDS correction I0241 scope items
- Confirm in scope for M8 Change Proposal

Ask of CHIG – confirm support for the proposed recommendation

- No impact assessment required for the EMDS correction I0241 scope items
- Confirm in scope for M8 Change Proposal

EMDS CORRECTIONS SUMMARY

- Updated EMDS files containing the corrections due to be shared by end of February

DTN Market Messages	Data Items	DIP Interfaces	General
• D0126 • D0134 • D0135 • D0136 • D0142 • D0149 • D0150 • D0179 • D0180 • D0222 • D0225 • D0268 • D0300 • D0303	• DI-048 Manufacturers Make and Type • DI-059 Meter Type • DI-093 Additional Information • J2256	• IF-005 • IF-006	• IF common blocks on Optional/Conditional

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NEXT STEPS

NEXT STEPS

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NEW ITEMS

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SCOPE TRACKER TO BE UPDATED ON 6 MARCH

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Scope Item Ref	Source Ref	M8 Control log Ref	Title	Code Artefact	Drafting status [Not started; In Progress; Completed; Agreed by CHIG]	IA status [Not required; Not started; In Progress; Completed]	Notes	Next activity	Change Proposal inclusion - date agreed by CHIG [Yes-date; No (not required)-date; No (separate delivery)-date]
I0241-001	DIN 1114		DI-030 Domestic Premise Indicator - Boolean update	EMDS	In progress				
I0241-002	DIN 1128		IF008 Correlation id clarification not required where SMRS auto de-energises	EMDS	In Progress				
I0241-003	CR-056 & DIN 1138		Single CSS00200 Market Message per Metering Point for agent appointments	ERDS Service Definition	Not started				
I0241-004	EES API - 1	M8-031	Removal of capitalisation from the return detail tables (API returns will always be lower case)	EES API Technical Specification	Not started				
I0241-005	EES API - 2	M8-032	Removal of the MHHS Indicator and EFD from the SearchAddress Method.	EES API Technical Specification	Not started				
I0241-006	EES API - 3	M8-243	Addition of the MHHS Indicator and EFD to the 'GetCSSMessage' method	EES API Technical Specification	Not started				
I0241-007	EES API - 4	M8-244	Removal of the 'Metered Indicator ETD'	EES API Technical Specification	Not started				
I0241-008	R0209 Consult ation		Related MPANs during migration	Schedule 28 – Related Metering Points (Schedule XX - MHHS Migration)	Not started				
I0241-009	DIN 0431								
I0241-010	NEW ITEMS								