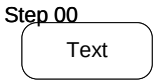
MHHSP – Business Process – Version History
MHHSP-BPM008- Change of Energisation

Version	Description	Author	Date
0.01	First draft based on AWG Consultation Documentation	MHHS Programme	23/09/2021
0.02	Updates following Design Team Reviews	MHHS Programme	05/11/2021
0.03	Updates following BPRWG	MHHS Programme	24/11/2021
0.04	Updates following comments from BPRWG and Advanced & UMS WG	MHHS Programme	31/01/2022
0.05	Updates following comments from BPRWG and Advanced & UMS WG	MHHS Programme	09/02/2022
1.0	Issued for BPRWG Review	MHHS Programme	21/02/22
1.10	Re-Issued for BPRWG Review	MHHS Design Team	25/03/22
2.00	Issued to DAG for Review	MHHS Design Team	26/04/22
3.00	Issued for T4 Review	MHHS Design Team	05/08/22
3.5	Issued for Industry Review	MHHS Design Team	14/10/22
4.0	Baselined DAG Approval	MHHS Design Team	31/10/22
4.5	issued for M5 Work Off Plan assurance review	MHHS Design Team	16/12/22
4.6	issued for M5 Work Off Plan approval	MHHS Design Team	20/01/23
5.0	DAG Baseline	MHHS Design Team	16/02/23
5.1	DIN-087	MHHS Design Team	04/07/23

MHHS PROGRAMME
Industry-led, Elexon facilitated

MHHSP – Business Process - Key

Item	Description
	Process
	Task
	Decision gateway
	Initiate multiple steps
	Collapsed sub-process
	Message
	Start BPM
	End BPM
	Sequence flow – Black = Process Step / Blue = DIP Output
	Message flow - Orange = 3rd Party / Red = TBD

MHHSP-BP-008 – Change of Energisation- v5.1

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Business Process Description
This BPMN diagram describes the 'Change of Energisation' Business Process. For a detailed description of each step in the BPM, please refer to the accompanying Business Process Descriptions [BPD] document for this Business Process.

Actors
Supplier
LDSO
Registration Service
Data Integration Platform
Data Service (SDS, ADS, UMSDS)
Metering Service (MSS, MSA, UMSO)
Central Settlements (LSS, MDS)
EES

MHHS Interfaces
MHHS-IF-007 Update of Change of Energisation Status Outcome to Registration

MHHS-IF-008 Registration Service Notification of Change of Energisation Status

MHHS-IF-041 Cumulative Meter Reading

Publication List
PUB-007 Update of Change of Energisation Status Outcome to Registration

PUB-008 Registration Service Notification of Change of Energisation Status

PUB-041 Cumulative Meter Readings

BPM included as part of the process
MHHS-BP009-Change of Meter

BPM Entry
N/A

Exit BPM
MHHS-BP004-Data Collection
MHHS-BP005-Data Processing

DIN-087 ~ It will still be possible for Suppliers to request "combined" jobs e.g. Remove & De-Energise or Install & Energise, if allowed for as part of their job booking/provisioning process.

However, Suppliers should be aware that the response to such jobs will come in two separate Stages – the metering activity (BP009/PUB-006) and the Energisation Changes (BP008/PUB-008)

Supplier
Step05
Step10 Request Energisation Status Change
D0134
Step96 Supplier Receives D0179 from Metering Services for Pre Payment Changes
Step95 Rejection or unable to action received from MS/ LDSO
Step170 Receive Cumulative Read(s)
Step175 Receive Change of Energisation Via Subscription Service
Step180 Receive non smart D0010
Step181

LDSO
Step15 Manage Request for Energisation Status Change
Step20 Energisation Status Outcome & Reading(s)
D010
Step172 Receive non smart D0010
Step171 Receive Cumulative Read(s)
Step165 Receive Change of Energisation Via Subscription Service

Registration Service
D0139/D179
PUB-007 (Rejection / Unable to action Request)
Step105 Receive Update of Energisation status via subscription
Step110 Registrations validation
Accepted
Step115 Update Energisation Change/correction
Step126 Manage Message Failure
Step120 Reject Energisation update
PUB-008 (Accept)

Central Settlements (LSS/MDS)
D0134
PUB-007 (Success)
MHHS-IF-008
MHHS-IF-008
PUB-041
Step160 Receive Change of Energisation Via Subscription Service
PUB-008 (Accept)
D0179

Data Integration Platform
Step36 PUB-041 Publish Cumulative Reads
MHHSP-IF-007 (Rejected/Unable to action)
Step90 Publish Updates of Energisation status
Step125 Energisation Status Change Outcome
PUB-008 (Accept)
Step130 Publish Update of Energisation status Rejection
Step135 Publish Update of Energisation status Acceptance

Metering Service
Step25 Manage Energisation change request from Supplier
MHHS-IF-41
Step30 Manage Energisation Change Request Outcome
Unable to action
Step60 Unable to action energisation change
UMS
Step64
Step65 Request from LDSO/ Supplier/Customer OR UMSO initiated Change in energisation
Step75 Data Collection BP004
MHHSP-IF-007
Step100 Manage Message Failure
PUB-008 (Reject)
Step140 Validate Updates and manage Rejections
PUB-008 (Accept)
Note: Metering Service will capture Cumulative Register(s) Readings as a minimum.
Recovery of HH Data should be undertaken as per the contractual agreement between the Supplier his Service Providers (Metering & Data Service), and shared via an agreed mechanism.
Step35 Capture cumulative read(s) (HH download if Availible/Required)
ADVANCED/SMART
Actioned
Note: Metering Service should, if able, capture and send read(s) (Cumulative IF041 and/or Register D010) even where Change of Energisation Status is unsuccessful.
Step70 Logical Change
For traditional pre payment meters MS will need to issue a D0179 to supply as well as issuing MHHS-IF-007 to the DIP.
Step80 Update Registrations with Change in Energisation status
Step 85
From BP09 Change of Meter All meters removed & MPAN De-Energised
Advanced
Smart
Non SMART
Step40 Advanced Change of energisation
Step45 Smart change of Energisation
Step50 Capture Change of Energisation Read
Step55 Non Smart Change of Energisation
PUB-008 (Accept)
NOTE: Re MAP's
Currently Metering Service Interaction with the MAP is not shown in this Diagram. Recognise that a D303 is sent by the Metering Service to the MAP following on-site metering activity. As things stand it is not proposed to amend this process as part of MHHS Scope.
However, the MHHS Design Team are in the process of reaching out to MAPs to assess if there is any appetite for them to get more involved with the Programme and possibly consider replacement of the existing D303 D-Flow with some communication via the DIP.

Data Service
PUB-041
Note: As a 'back-stop' in situations where no reading(s) are provided alongside the change in Energisation Status, the Data Service should where required, By 5wd, generate an estimated reading(s) for the Date of the Change of Energisation Status (reflecting the nature of the Energisation Change) using the most appropriate method from the Method Statement.
Step145 Receive Reads/ cumulative/ consumption for Energisation Change
D010
D010
Step150 Receive Cumalitive Read for Energisation Change
Step155 Receive Change of Energisation Via Subscription Service
PUB-008 (Accept)
Data Processing BP005
Step185

EES
Step156 Receive Change of Energisation Via Subscription Service

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