



**MHHS
PROGRAMME**
Industry-led, Elexon facilitated

Design Advisory Group #22

08 March 2023

Version 1.0

MHHS-DEL1063

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Sender of the D0170 Data Flow	Decision on who should be the sender of D0170 flow as part of the forward Migration Design	Decision	Programme (John Wiggins)	10:05-10:25 20 mins	3
3	Programme Change Requests	Verbal updates on Programme Change Requests and decision on Programme Change Request 019 impact assessment	Decision	Programme (Ian Smith & Fraser Mathieson)	10:25-10:35 10 mins	11
4	Overview of MHHS Change Control Approach	Overview of MHHS Change Control Approach	Information	Programme (Alex Whiteman)	10:35-10:45 10 mins	12
5	Design Authority Updates	Updates from the Design Authority, including notice of approved minor changes and scheduled releases	Information	Programme (Paul Pettitt)	10:45-10:55 10 mins	18
6	CCIAG Update	Updates from the Consequential Change Impact Assessment Group and decision on closure of group	Decision	Programme (Fraser Mathieson)	10:55-11:05 10 mins	21
7	Programme updates	Updates from other MHHS governance groups and wider Programme updates	Information	Programme (PMO)	11:05-11:10 5 mins	28
8	Transition Plan Update	Verbal update on transition activities and plan	Information	Programme (Ian Smith)	11:10-11:20 10 mins	30
9	Minutes and Actions	Approval of minutes and in-depth review of actions	Decision	Secretariat	11:20-12:20 60 mins	31
10	Summary and next steps	Summary actions and next steps	Information	Chair & Secretariat	12:20-12:30 10 mins	38

Appendices

Appendix 1 – D0170 Feedback Responses

Attachments

Attachment 1 – DAG 11 January 2023 Minutes and Actions v1.1 (change marked)

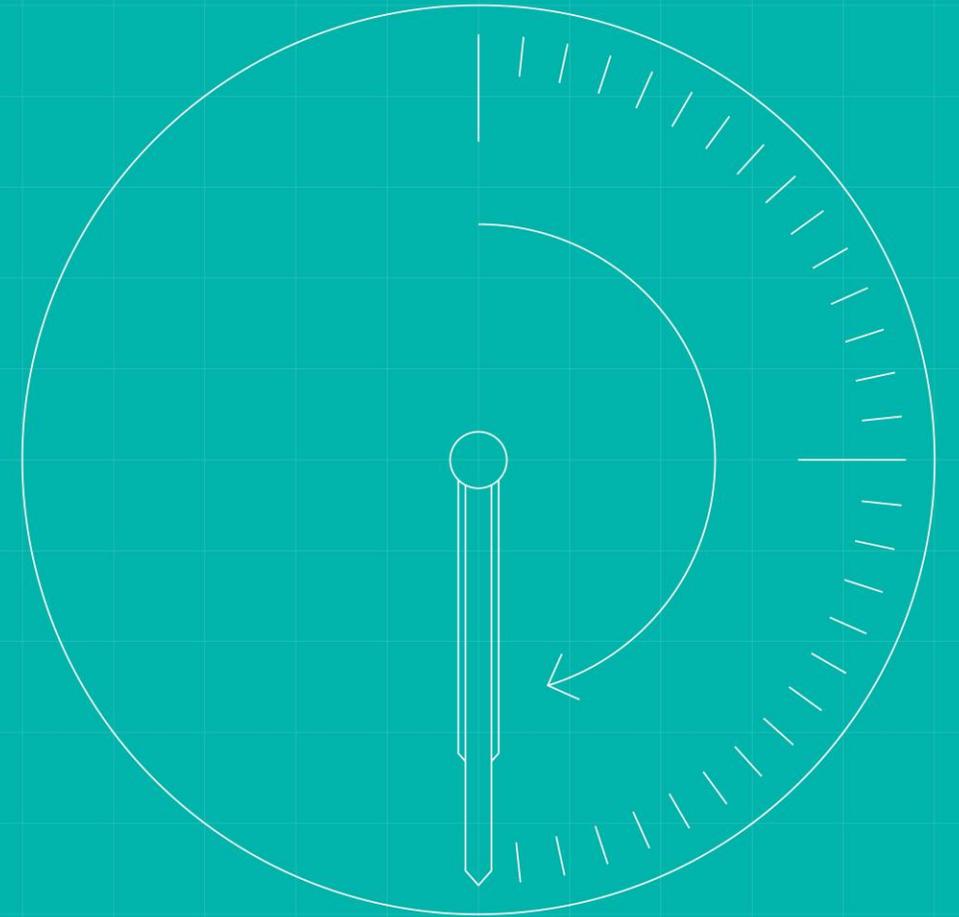
Attachment 2 – CR019 Replacement of D0242 D0315 for MHHS

Sender of the D0170 Data Flow

DECISION: Decision on who should be the sender of D0170 flow as part of the forward Migration Design

Programme – John Wiggins

20 mins



“The purpose of the Migration Design is to articulate the technical process through which MPANs will be migrated from Legacy arrangements to the new MHHS arrangements, and in the case of Reverse Migration, back to the Legacy arrangements from MHHS arrangements.”

11 Migration Design Subgroups (MDSGs)

Collaborative forums where the Migration Design Team presented Design proposals for participants to feedback on.

23 Key Decision Points Discussed

All but one, the D0170 decision, were discussed and resolved as part of the MDSG.

100+ Specific Areas of Feedback Shared

All participant feedback was tracked and responded to. These were generally smaller, tactical items that helped to improve the robustness of the Design.

60+ Average MDSG Attendance

1 Migration Design Document

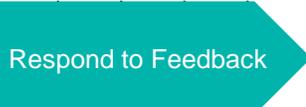
6 BPM Diagrams + BPDs & **1** Requirements Catalogue

2 Week Consultation

29 Organisations provided Feedback

Migration Design Assurance Review Timeline

KEY:  Key dates  PP Engagement with MHSP  Migration Design Team activity

POAP	Feb-23													Mar-23																										
	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F	M	T	W	Th	F										
	13	14	15	16	17	20	21	22	23	24	27	28	1	2	3	6	7	8	9	10	13	14	15	16	17	20	21	22	23	24	27	28	29	30	31					
Issue Artefacts for review																																								
Participant feedback on Artefacts	 Participant Feedback																																							
Migration Design Team to review comments and update Artefacts											 Respond to Feedback																													
D0170 Decision at March DAG																																								
Prepare communications related to BPRWG* Assurance review																 Prepare Comms																								
Issue updated Artefacts to participants ahead of Assurance meeting																																								
Hold BPRWG Assurance review meeting																																								
Issue DAG Papers																																								
Migration Design approval at extraordinary DAG																																								

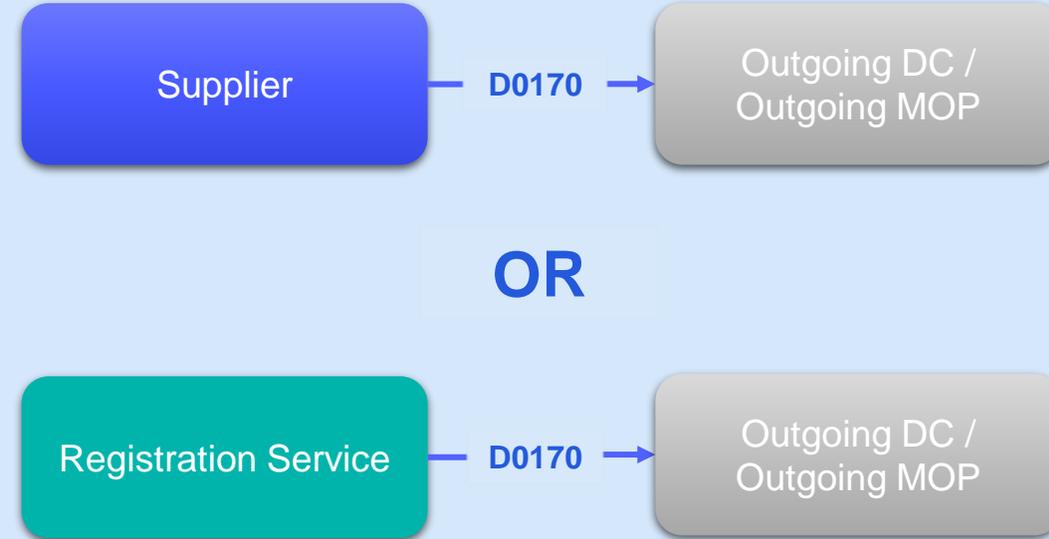
N.B. Timelines are provisional and may be subject to change.

**Business Process and Requirements Working Group*

Background to the Decision

- **Decision: “Which Party sends the D0170 message?”**
- As part of Forward Migration, a D0170 message will be sent to the outgoing Meter Operator (MOP) and outgoing Data Collector (DC).
- There are two options:
 1. Suppliers
 2. Registration Service (**Migration Design Team recommendation**)
- Consensus has been unable to be reached within the Migration Design Subgroup (MDSG) meetings. All Suppliers are in favour of the Registration Service sending, and St Clements and all DNOs are in favour of Suppliers sending.
- Both Parties could perform this duty, although change would be ‘throwaway’ and would add time to existing development and testing plans for both.
- Irrespective of who sends the D0170, it will still be the Supplier’s responsibility to ensure all data is transferred successfully following outgoing MOP / outgoing DC receipt of the D0170.

Forward Migration



- The sending of the D0170 is critical to the success of the Forward Migration.
- It informs the outgoing MOP and outgoing DC that a Forward Migration is taking place and they must exchange information with the incoming MS and DS.

- In the development of the Migration Design, our decisions have been guided by both the original Design Principles set out by the Core Design Team, but also by a set of Migration Design Principles that we put in place to complement these.
- Together, these two sets of Principles provide an objective framework for us to evaluate key decisions through.
- In the case of the D0170, as with all our Design decisions, our recommendation has been informed through assessment versus these Principles.

Core Design Principle

#9

The solution will seek to minimise total cost to industry in the delivery of the Ofgem approved TOM services and Integration platform.

Migration Design Principles

#1

Old Suppliers, the Registration Service and old Agents should only be impacted by Migration-related change where Legacy processes do not support Migration.

#2

New Suppliers, the Registration Service and new Service Providers should only be impacted by Migration-related change where BAU MHHS processes do not support Migration.

#3

Complex change which only offers marginal benefits should be discounted (e.g. support for edge cases which can be supported outside of IT change). Assuming all else is equal, the least complex option that requires the least change will be preferred.

Comparison of Suppliers / Registration Service Sending the D0170

	Suppliers Send the D0170		Registration Service Sends the D0170	
	Pro's	Con's	Pro's	Con's
Vs Existing Process	<ul style="list-style-type: none"> Suppliers already produce the D0170. Less 'throwaway' code needs to be developed. Supplier to Agent transmission of D0170 is a currently supported DTN message. 	<ul style="list-style-type: none"> Suppliers would need to build new functionality so they could receive the Legacy D0260 message. 	-	<ul style="list-style-type: none"> D0170 not currently sent by the Registration Service and not similar to existing MPRS data flows. Significant additional cost to develop and test.
Design Logic	<ul style="list-style-type: none"> DNOs argue Suppliers are the main beneficiary of this functionality and would better understand how to build a solution that best suits their Migration approach. 	-	<ul style="list-style-type: none"> D0170 is best issued centrally where there are greater controls in place to ensure enhanced consistency in send. Registration Service will be the master of the appointment of Agent process and will be the 'central orchestrator' of the Migration process. Reduced traffic and number of different touchpoints, therefore reducing exceptions. 	-
Delivery Impact	<ul style="list-style-type: none"> Feedback from a large Supplier estimated their individual DBT effort at approx. 180 additional calendar days for 3 resources. Whilst this would vary across Suppliers, the impact is significant for all Suppliers and their IT Service Providers, and could prevent some Suppliers entering SIT. Delivery impact would ultimately lead to increased costs being passed onto consumers. Greater testing (SIT and Qualification) overhead and risk as significantly more Suppliers than DNOs / IDNOs. 		<ul style="list-style-type: none"> Estimated MPRS DBT impact of approx. 102 working days for 1 resource (of which 59 days are pre-SIT entry). Additional DNO / IDNO development and implementation impact (not captured by the above) estimated at 5-20 working days. St Clements delivery plan currently indicates SIT entry of Jan 2024 (vs SIT start of Oct 2023). St Clements have indicated D0170 functionality will likely delay SIT entry further. Registration Service will generate an additional 30m+ messages (for each MPAN migrated). 	
No. of Impacted Parties	<ul style="list-style-type: none"> Approx. 70 Suppliers required to separately design, build and test the functionality. 		<ul style="list-style-type: none"> As Registration Service is a 'single' application, St Clements can perform bulk of development centrally. Each of the 27x DNOs / IDNOs would then be required to implement and carry out additional development activity separately. 	

- Based on the evidence in the previous slides and the feedback received, the Migration Design Team recommendation is for **the Registration Service to send the D0170**. A summary of the key points and participant feedback are provided below:



1. A central process requires a central operator

- The Registration Service will serve as the 'central orchestrator' of the Migration process.
- It is better placed to oversee this critical process and will ensure enhanced consistency and success in send.
- It will reduce the total traffic and number of different touchpoints, therefore reducing exceptions.



2. Testing of Migration-specific SIT components does not start until Jun 2024

- St Clements have indicated D0170 development will likely cause further delay to their SIT entry date.
- However, alternative delivery options should be explored that would mean D0170 development is not required to be completed for SIT entry, given the later phasing of the Migration-specific components.
- This would mean either Suppliers or the Registration Service could develop this functionality with no new impact on key delivery dates.



3. Minimise overall industry change, impact and cost

- Based on the feedback received, we expect total cross-industry impact to be significantly lower if the Registration Service send the D0170.
- Avoiding enforcing change on the approx. 70 Suppliers who would need to separately design, build and test this functionality will reduce the scale of 'throwaway' change and cost. This will also reduce SIT risk and costs.
- Ultimately lowering the cost that is passed onto consumers.

- Overall 26 feedback responses were received. This was broken down as:
 - Suppliers / 3rd Party IT Providers – 17; St Clements / DNOs – 6; Agents – 3.
 - In favour of Registration Service sending – 19; in favour of Suppliers sending – 7.

The DAG is invited to approve one of the below options:

Option 1

Registration Service sends the D0170 (Migration Design Team recommendation)

Option 2

Suppliers send the D0170

Next Steps

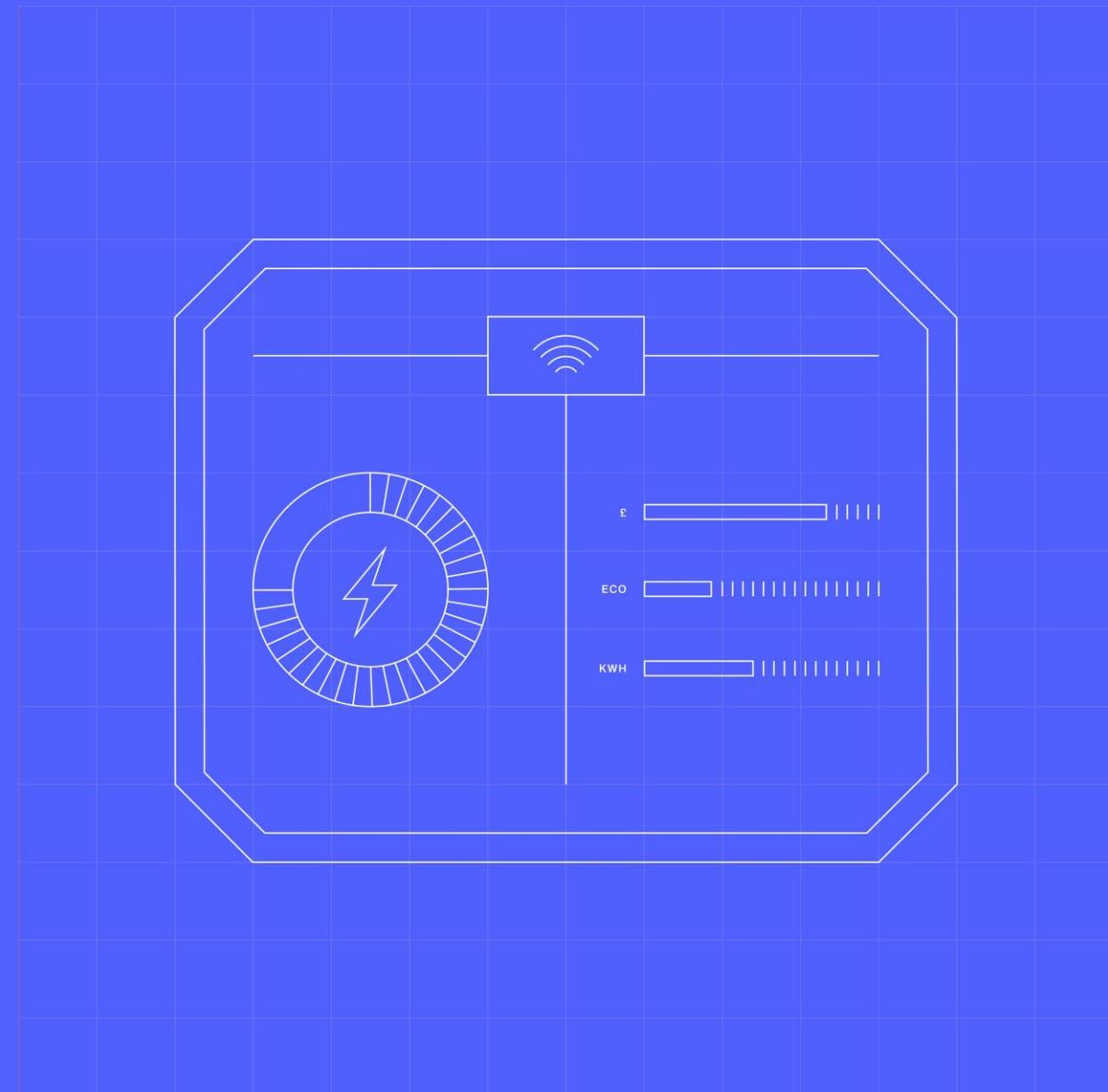
- Migration Design Team to incorporate chosen option into updated Migration Design Artefacts which will be shared with participants on **Friday 10 March**
- BPRWG Assurance review meeting to be held on **Friday 17 March** to assure updated Migration Design Artefacts
- Full Migration Design to be tabled for approval and baselining at extraordinary DAG on **Wednesday 29 March**

Programme Change Requests

DISCUSSION: Verbal updates on Programme Change Requests and decision on Programme Change Request 019 impact assessment

Programme – Ian Smith & Fraser Mathieson

10 mins



Objective: Change Board to validate CR019 and agree on next steps

Replacement of D0242/D0315 for MHHS

Issue Statement:

- A new flow needs to be introduced for supercustomer statements in the post Market-Wide Half-Hourly Settlement (MHHS) environment because the existing flow will not work with new fields, and the co-existence of old and new fields during migration.

Description of change:

- MHHS introduces new data flows using the Data Integration Platform (DIP) and JavaScript Object Notation (JSON) format, including for the supercustomer data from settlement (REP-002/002A)
- There will be removal of certain data items used in the current process and addition of new data items, making population of the D0242 ‘Supercustomer DUoS Daily Statement’/D0315 ‘Embedded Network Supercustomer DUoS Daily Statement’ impossible in their current format for migrated customers
- The “MHHS Design: Reporting and Transition Sub Group” identified the need for a new DIP flow to replace the D0242/D0315 last summer but noted that these flows are under DCUSA ownership and so passed the development of the flow content to DCUSA
- A DCUSA change was raised and a working group, comprising the senders (LDSOs/distributors) and receivers (suppliers) of the flows has identified the desired flow content and now wish to bring this back to the program to ensure that it can be delivered in readiness for migration.

Target date of change:

- Implementation within MHHS required before migration commences (M11) with enough lead time for LDSOs and Suppliers to update DUoS billing systems and validation systems in advance.

Proposed next steps:

- The Programme proposes CR019 is next reviewed by the appropriate Advisory Group with a decision on raising for full Impact Assessment.

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Change Request Form

Change Request details

Change Request Title	Replacement of D0242/D0315 for MHHS		
Change Request Number	CR019		
Originating Advisory / Working Group	DCUSA DCP 415		
Risk/issue reference			
Change Raiser	Peter Waymont & Neal Medley / Eastern Power Networks	Date raised:	03/03/2023

For further guidance on how to complete this document please see the supporting Change Request Form Guidance for Programme Participants. The guidance will support raising a change and responding to a change request via Impact Assessment. The Change Raiser should consider sharing the draft Change Request Form with impacted programme parties, prior to submission to PMO. The guidance, as well as other key documents are referenced below and can be found via the MHHS website.

Change Request to be read in conjunction with:

MHHS Change Request Form Guidance for Programme Participants
MHHS Change Control Approach
MHHS Governance Framework
Ofgem's MHHS Transition Timetable

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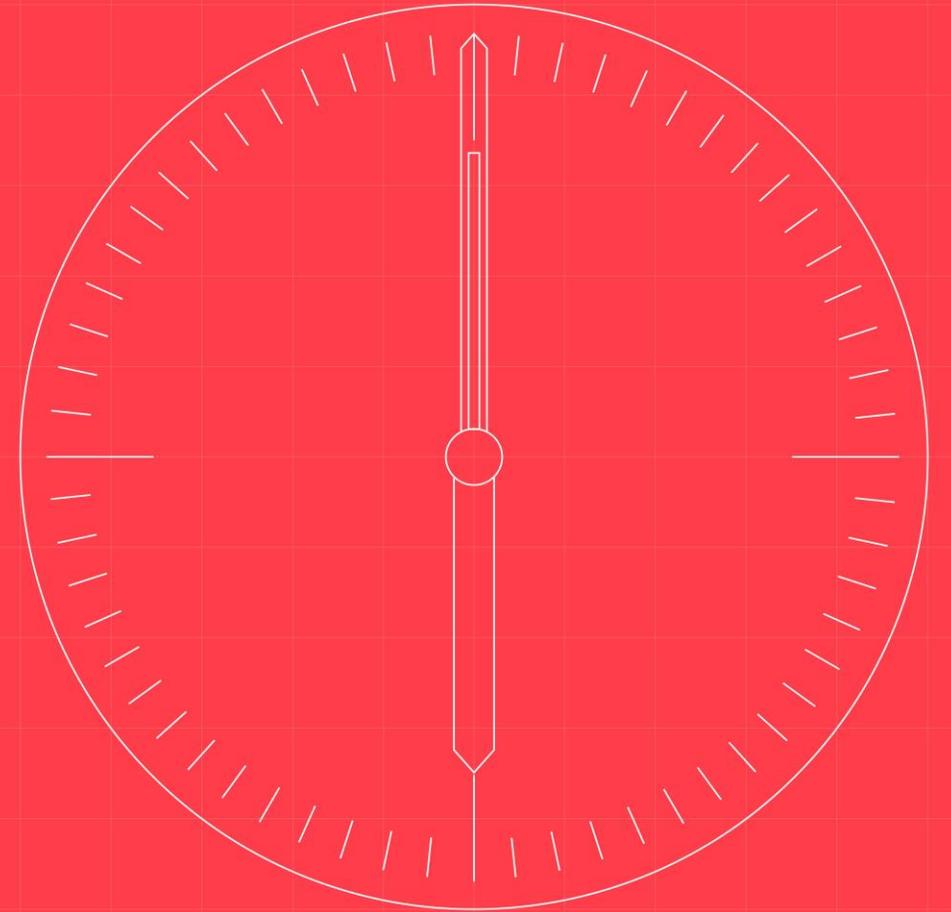
MHHS-DEL1076 CR019

Overview of MHHS Change Control Approach

INFORMATION: Overview of MHHS Change Control
Approach

Programme – Alex Whiteman

10 mins



Overview

The Programme's Change Control Approach was baselined on 05 May 2022 and outlines the change control approach, principles and processes for the Programme. The document serves as a guide for all Programme Participants, and it is owned by PMO. The team is responsible for the overall Change Control process.

Key challenges

Visibility of Change Control and available guidance should be improved to ensure the process and requirements are understood

Clarity for roles and responsibilities of Advisory Groups and Programme Participants, with focus on guidance on decision making

Capturing feedback from Advisory Groups and Programme Participants to ensure enhancements are made

Alignment with Design Authority in changes to Design Artefacts

Objectives of Change Control

To ensure the Change Control process on the Programme is fit for purpose we have defined several key guiding principles to be adhered to



01

Changes are **planned** and **executed** in a controlled manner, with appropriate authorisation and documentation



02

Changes are **monitored and assessed** for their **impact** on the Programme and Programme Participants



03

Changes are **communicated clearly and effectively** to all stakeholders who may be impacted



04

Changes are **documented thoroughly**, with a record of what was changed, when, and by whom, to ensure **clear audit trail**



05

Changes are managed **effectively and efficiently** to support swift decision making and **overall delivery**

Next steps



Obtain feedback across the Programme on how to enhance the current framework



Increased briefing to Participants on the process to ensure they are aware of their responsibilities



Ensuring 'change' is a standing agenda item on appropriate governance meetings



A refresh to guidance and supporting material, with greater signposting across Programme forums



A formal Change Request will be produced, capturing all enhancements to the framework

There are four key phases to the Change Control process. These, along with the associated activities, are highlighted in the diagram below:



- A potential change is identified that could impact the MHHS Programme
- The Change Raiser completes the Change Request form and submits this to the MHHS PMO
- The MHHS PMO will confirm receipt of CR and provide a unique CR reference number
- The CR is circulated to the Change Board for review in advance of the next meeting.

- The Change Board is convened and reviews the CR
- If the Change Board believe the CR to be valid, it will pass it onto the appropriate Advisory Group for triage
- The Advisory Group recommends to proceed with a full Impact Assessment (IA) or to reject the CR
- The Change Board may also reject the CR, request further information or ask the Change Raiser to attend the Change Board to present the CR.

- A request for full IA is then issued to the PPs via the Advisory Groups
- The Advisory Groups will engage all Programme Participants to gather the full industry impact and cost through the IA process
- IAs are returned to the MHHS PMO by the requested parties in line with the agreed SLA timelines
- The IAs are consolidated into a single view and presented to the Change Board.

- The SRO seeks consensus of Change Board and Advisory Groups on whether to approve or reject the CR
- A decision is made
- If approved the MHHS PMO communicate this to impacted parties and Change Raiser
- Commercial arrangements will be agreed with the parties to cover the cost of the change
- Impacted parties incorporate new scope into their workplans
- The MHHS PMO track implementation and incorporate new activities into the programme plan.

Note: *The Independent Programme Assurer (IPA) sit on the Change Board as an observer
All parties will have visibility of all Change Requests via the Change Request Log.*

There are several key documents and artefacts used to support Change Control on the MHHS programme. Please refer to the MHHS website and Collaboration Base for the files.

#	Document	Description	Classification	Location
1	Change Control Approach	The overarching Approach document for Change Control	Public	MHHS Website, Change Control
2	Change Request Form	The Change Request Form to be completed when raising new Change Requests and submitted to the MHHS PMO	Public	MHHS Website, Change Control
3	Change Request Form – guidance document	Guidance document aiding Change Raisers to complete the Change Request Form	Public	MHHS Website, Change Control
4	Change Request Log	Full log of all Change Requests for the MHHS Programme	Public	Collaboration Base
5	Change Request Process Map	Detailed process map articulating the full end-to-end change control process	Public	MHHS Website, Change Control

Change Request status (1/2)

Ref.	Key Detail	Change Raiser(s)	Change Type	Decision	Status	Action <i>If approved</i>
CR001	M5 to July 2022	MHHS Programme, Jason Brogden	Full Impact Assessment	Ofgem Approved (21/04/22)	Complete	Updated MHHS Transition Timetable
CR002	M5 to November 2022	Emily Wells, Corona Energy	Full Impact Assessment	Ofgem Rejected (21/04/22)	Closed	
CR003	M6 to 9 months after M5 and M7 to 10 months after M5	Lawrence Jones, Elexon	Full Impact Assessment	Ofgem Approved (18/05/22)	Complete	Updated MHHS Transition Timetable
CR004	Changes to TAG and Governance Framework	MHHS Programme, Jason Brogden	Housekeeping	Change Board approved (24/03/22)	Complete	Updated MHHS Governance Framework
CR005	Programme Cooperation Principles	MHHS Programme, Jason Brogden	Full Impact Assessment	PSG approved (04/05/22)	Complete	Updated MHHS Governance Framework
CR006	Changes to DAG and Governance Framework	MHHS Programme, Fraser Mathieson	Housekeeping	Change Board approved (26/04/22)	Complete	Updated MHHS Governance Framework
CR007	Moving the M3 date to 30 September 2022	MHHS Programme, Jason Brogden	Full Impact Assessment	PSG rescinded (06/07/22)	Closed	
CR008	RECCo membership of PSG, DAG, TMAG	Jonathan Hawkins, RECCo	Full Impact Assessment	PSG approved (08/06/22)	Complete	Updated MHHS Governance Framework
CR009	M5 and M3 milestone date changes	MHHS Programme, Jason Brogden	Full Impact Assessment	Ofgem Approved (01/09/22)	Complete	Updated MHHS Transition Timetable
CR010	Inclusion of the Full Plan Review PM2 activity within Programme Governance	Graham Wood, Large Supplier Constituency	Not applicable	Withdrawn by Change Raiser (28/07/22)	Closed	

A full record of all MHHS Change Requests can be found on the [Change Control page of the Collaboration Base](#)

Change Request status (2/2)

Ref.	Key Detail	Change Raiser(s)	Change Type	Decision	Status	Action <i>If approved</i>
CR011	Update to the Programme Interim PoaP to reflect decisions made at September 2022 PSG	MHHS Programme, Joe Deal	Housekeeping	Change Board approved (27/09/22)	Complete	Updated Interim PoaP
CR012	Increase in scope of CCAG ToR and code drafting activities to include consequential change	Sarah Jones, RECCo	Full Impact Assessment	PSG approved (07/12/22)	Complete	Updated MHHS Governance Framework
CR013	Determining scope of Examination of Settlement Impacts resulting from MHHS Programme	Gareth Evans, I&C Supplier Constituency	Full Impact Assessment	PSG approved (01/02/23)	Approved	Implementation phase started. Expression of Interest to be issued via the Clock (22/02/23)
CR014	Changes to the baselined LSS design	Matt Hall, Elexon (Helix)	Full Impact Assessment	<i>Awaiting Change Raiser updates following DAG review (01/02/23)</i>	Open	
CR015	Differential Settlement for E7/E10 Meters for Smart Opt-out customers	Graham Wood, Large Supplier Constituency	Full Impact Assessment	PSG approved (01/03/23)	Approved	Implementation phase of <i>Option A</i> started (01/03/23)
CR016	Changes to the Change Control Approach to incorporate design change process	Alex Whiteman, MHHS Programme	Housekeeping	Change Board approved (08/02/23)	Complete	Updated Change Control Approach published on Collaboration Base (10/02/23)
CR017	LDSO Registration Service Dip messages processing times	Catherine Duggan, Electricity North West	Full Impact Assessment	<i>Impact Assessment to be issued (02/03/23)</i>	Open	
CR018	Registration Service Operating Hours	Ian Smith, MHHS Programme	Full Impact Assessment	<i>Impact Assessment to be issued (02/03/23)</i>	Open	

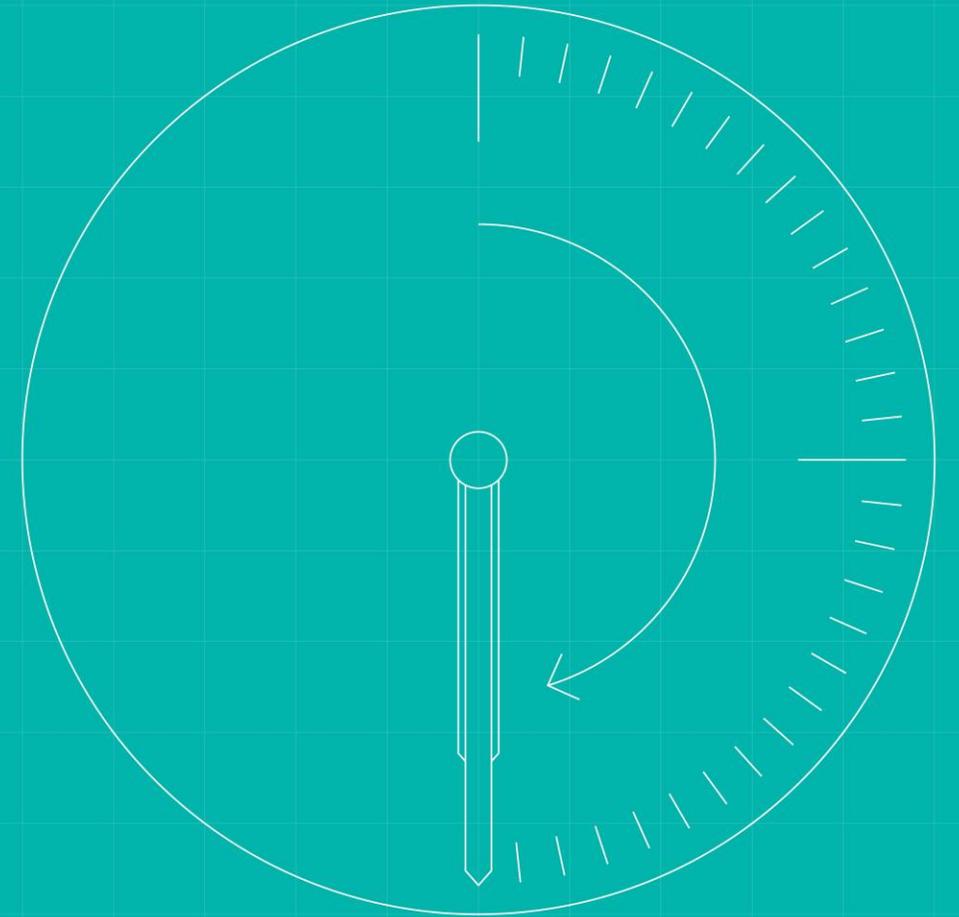
A full record of all MHHS Change Requests can be found on the [Change Control page of the Collaboration Base](#)

Design Authority Updates

INFORMATION: Updates from the Design Authority, including notice of approved minor changes and scheduled releases

Programme – Paul Pettitt

10 mins



Following DAG consideration of Design work off items, the topics for DA to action are:

#	Item	Objective	Update
DAG - 02	WoP D053	MHHS-DIN-92 - Customer Direct Contract Flag - Housekeeping change to be incorporated into next artefact release	Discussed and agreed to be incorporated in next uplift of the design artefact (Target April)
DAG - 03	WoP D008	Clarification on complex meter site, Haz to table objection / concerns from Large Suppliers	Tabled at DA meeting, action carried forward
DAG - 04	WoP D034d	MHHS-DIN-93 Housekeeping update to the method statements to add in explicit UMSDS exclusions to be incorporated into next artefact release	Discussed and agreed to be incorporated in next uplift of the design artefact (Target April)

Summary of the Design Issue Notifications discussed at DA

2

Pre-approved by
DAG as part of
the work off plan.

MHHS-DIN-92

MHHS-DIN-93

3

Accepted as
minor.

MHHS-DIN-20

MHHS-DIN-23

MHHS-DIN-27

3

Referred to raiser
requiring more
information

MHHS-DIN-11

MHHS-DIN-14

MHHS-DIN-19

12

Not discussed due
to time constraints

MHHS-DIN-28

MHHS-DIN-31

MHHS-DIN-32

MHHS-DIN-36

MHHS-DIN-38

MHHS-DIN-41

MHHS-DIN-45

MHHS-DIN-46

MHHS-DIN-52

MHHS-DIN-59

MHHS-DIN-69

MHHS-DIN-70

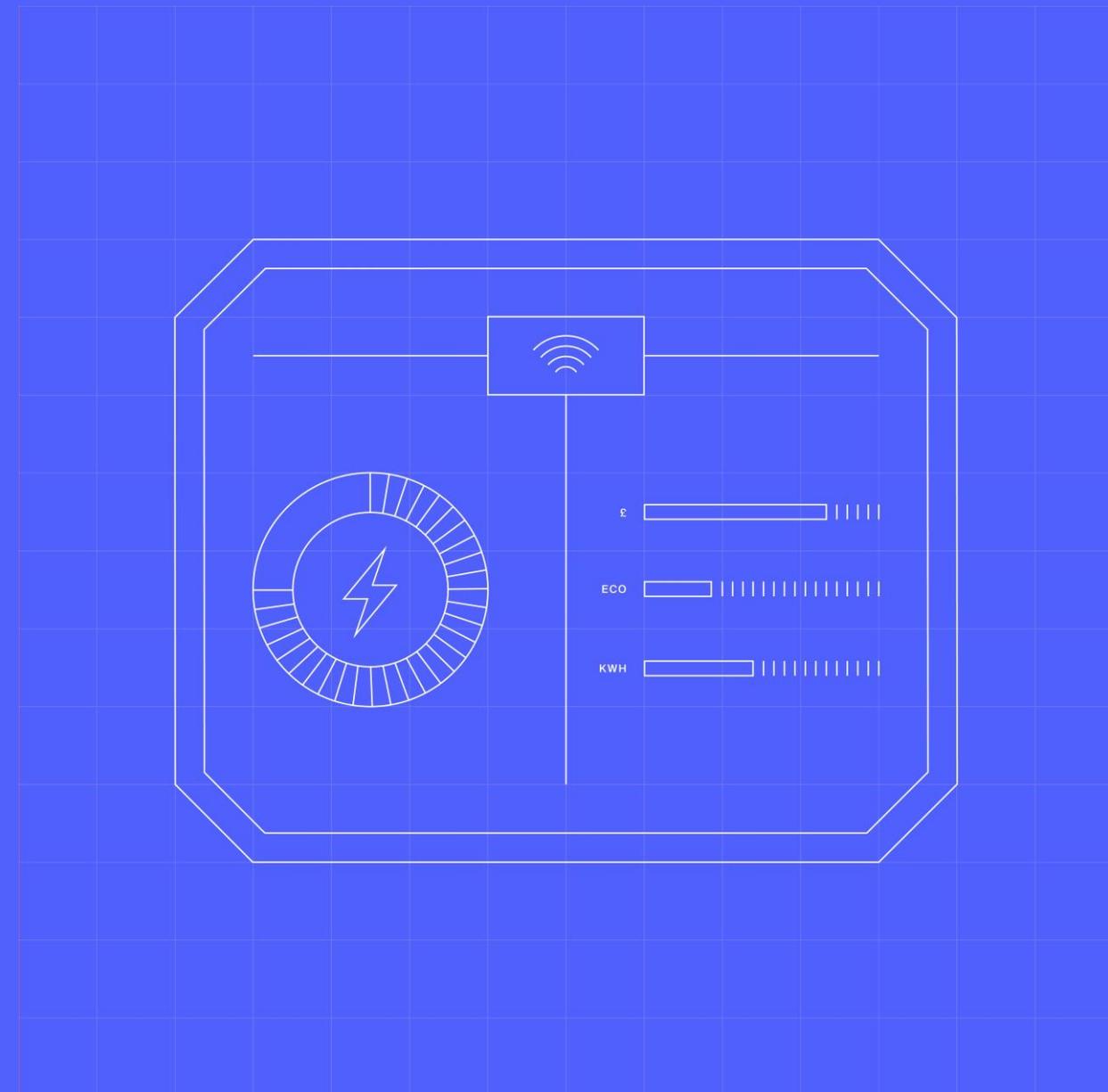
Full DIN information can be found [here](#)

CCIAG Update

DECISION: Updates from the Consequential Change Impact Assessment Group and decision on closure of group

Programme – Fraser Mathieson

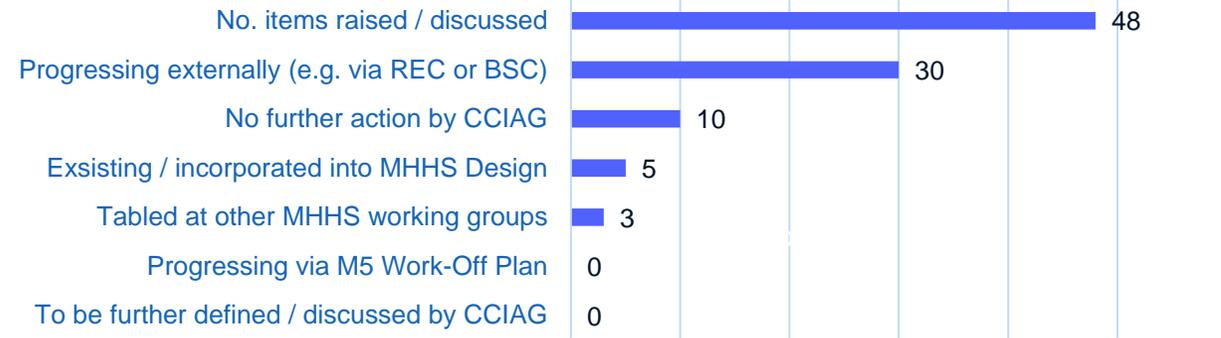
10 mins



Consequential change: Summarises activity at the Consequential Change Impact Assessment Group (CCIAG)

CCIAG metrics

The following graph summarises the status of consequential change topic under discussion at the CCIAG:



The latest CCIAG meeting papers and headline reports can be found [here](#).

Updates from CCIAG

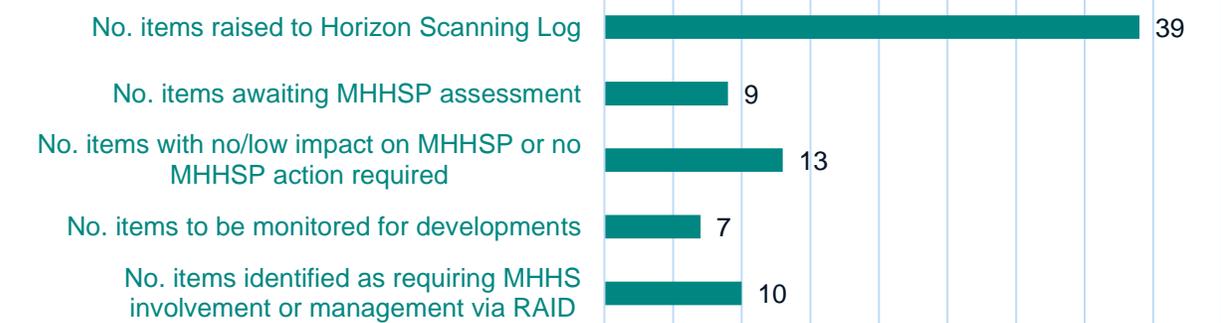
The deadline for submission of items to be considered for inclusion in consequential change code drafting closed 31 January 2023. A significant number of new items were raised before the deadline, and the Consequential Change (CC) Log grew to a total of 48 items. Each item was reviewed with Code Bodies for a decision on whether the item is believed to require consequential change code drafting, and the log now indicates where this is the case and records the Code Body who warrants that a given item is required to deliver MHHS and would require a standalone code change otherwise. Where solution development is required, this will be undertaken under the respective code's change development processes and the agreed solution then incorporated into MHHS code drafting. The Code Drafting Working Group will consult on all code drafting, and Code Bodies are expected to consult participants on any solutions developed. The list of consequential change code drafting items was finalised at the CCIAG held 23 February 2023.

Closure of CCIAG

No matters were raised which required significant change to MHHS Design Artefacts. The primary value of the CC Log has been to indicate which topics may require inclusion in code drafting. 30 topics were agreed by Code Bodies for consideration of whether consequential change code drafting is required. Feedback was the group was successful in achieving its objectives.

Industry horizon scanning: Summarise items monitored via the Cross-Code Advisory Group (CCAG) horizon scanning process

The following graph summarises items being monitored via the Programme's horizon scanning process



More information can be found via the [CCAG meeting papers](#)

Horizon Scanning Process

The CCAG collaborate to populate the Horizon Scanning Log and the Programme undertakes impact assessment of each change. Where a change requires actions by the Programme beyond simple monitoring or initial definition, this is entered into the Programme RAID framework with an appropriate action plan and owner put in place.

Industry code changes: 34 – REC: 14, BSC: 8, SEC: 4, DCUSA: 7, CUSC: 1

Wider industry changes: 5 – HH opt-out, DUoS SCR, code review, microbusiness def

Criticality of horizon scanning items – High: 4, Medium to High: 3, Medium: 3, Low: 13

Top RAID linked items:

- **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
- **BSC CP1558** (R0200, D0068) • **REC R0032** (D0068, D0069) • **REC R0044** (D0055)

Consequential Change Log – Topics for Potential Inclusion in Consequential Change Code Drafting (1 of 3)

Below is an extract from the Consequential Change Log (CC Log), which identifies the consequential change topics which may require inclusion in consequential change code drafting. There are 38 items in total, and further discussion required at CCIAG.

ID	Date tabled at CCIAG	Item title	Raiser name	Raiser organisation	Raiser constituency	Item Status	Consequential change to be included in CCAG-led/managed code drafting (Y/N/Not Applicable)?	Relevant Code Body agreeing inclusion of consequential change item in CCAG-led/managed code drafting
CCIAG-CCT-07	25/08/2022	Removal of MTCs - related MPANs.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-09	25/08/2022	New/Additional MPAN Process.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-11	09/09/2022	EES User Roles and Data Access.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-12	09/09/2022	SDEP Message / Reporting.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-14	09/09/2022	Change to settlement timetable	Andrew Dudkowsky	NGESO	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	CUSC
CCIAG-CCT-19	22/09/2022	SSC Valid Set.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-21	22/09/2022	Linking Import / Export Meters	Jon Hawkins	RECCo	Central Parties	Item tabled at other MHHS working group (e.g. customer own agents under discussion at Migration Working Group)	Y	BSC
CCIAG-CCT-23	10/11/2022	Erroneous Switches.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-24	10/11/2022	Missing / Disputed Switch Reads.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-25	22/12/2022	EES Data Access Matrix.	Sarah Jones	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-07	25/08/2022	Removal of MTCs - related MPANs.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC

Item status colour key: **Yellow = Progressing externally**; **Amber = Tabled at other MHHS group**

Consequential Change Log – Topics for Potential Inclusion in Consequential Change Code Drafting (2 of 3)

ID	Date tabled at CCIAG	Item title	Raiser name	Raiser organisation	Raiser constituency	Item Status	Consequential change to be included in CCIAG-led/managed code drafting (Y/N/Not Applicable)?	Relevant Code Body agreeing inclusion of consequential change item in CCIAG-led/managed code drafting
CCIAG-CCT-24	10/11/2022	Missing / Disputed Switch Reads.	Jon Hawkins	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-25	22/12/2022	EES Data Access Matrix.	Sarah Jones	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-26	26/01/2023	Data Integration Platform (DIP) Technical Document.	Andrew Margan	MHHS Programme	N/A	Item tabled at other MHHS working group (e.g. customer own agents under discussion at Migration Working Group)	Y	BSC
CCIAG-CCT-27	26/01/2023	Settlement timetable	Jonny Moore	Elexon	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	BSC
CCIAG-CCT-28	26/01/2023	Raising and progressing Trading Disputes	Jonny Moore	Elexon	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	BSC
CCIAG-CCT-29	26/01/2023	Secondary BM Units	Jonny Moore	Elexon	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	BSC
CCIAG-CCT-30	26/01/2023	BSC Asset Metering processes and systems (agent appointment and data transfer)	Jonny Moore	Elexon	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	BSC
CCIAG-CCT-32	26/01/2023	Demand Control	John Lawton	DCUSA	Code Body	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	DCUSA
CCIAG-CCT-33	26/01/2023	Charging Methodology	John Lawton	DCUSA	Code Body	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	DCUSA
CCIAG-CCT-34	26/01/2023	Residual Charges	John Lawton	DCUSA	Code Body	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	DCUSA
CCIAG-CCT-35	26/01/2023	Remove legal text owned by another code	John Lawton	DCUSA	Code Body	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	DCUSA
CCIAG-CCT-37	26/01/2023	Transitional protecting for CT customers transitioning to HH settlement	John Lawton	DCUSA	Code Body	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	DCUSA

Item status colour key: **Yellow = Progressing externally; Amber = Tabled at other MHHS group**

Consequential Change Log – Topics for Potential Inclusion in Consequential Change Code Drafting (3 of 3)

ID	Date tabled at CCIAG	Item title	Raiser name	Raiser organisation	Raiser constituency	Item Status	Consequential change to be included in CCAG-led/managed code drafting (Y/N/Not Applicable)?	Relevant Code Body agreeing inclusion of consequential change item in CCAG-led/managed code drafting
CCIAG-CCT-38	26/01/2023	MHHS Migration Changes	Andrew Margan	MHHS Programme	N/A	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	BSC/REC
CCIAG-CCT-40	23/02/2023	Changes to reflect removal of NHH e.g. where processes and definitions are separate based on NHH versus HH Metering Assets	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-41	23/02/2023	Changes to reflect the fact that settlements only needs cumulative meter readings whereas billing uses register readings	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-42	23/02/2023	Changes based on data items not being required for settlements	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-43	23/02/2023	Performance assurance (which covers any change for qualification)	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-44	23/02/2023	SDES requirements (including SDEP and the Additional MPAN Request portal)	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-45	23/02/2023	EES data access requirements	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-46	23/02/2023	Impacts of MHHS on REC governance (main body, change management, market entry/exit, committee ToRs, etc.)	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-47	23/02/2023	Service Management (placeholder for when the service management documents come which are technically not design documents)	Harriet Truss	RECCo	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	REC
CCIAG-CCT-48	23/02/2023	Changes required to the CUSC as a result of MHHS programme	Neil Dewar	NGESO	Central Parties	Item progressing externally (e.g. REC/BSC working groups, code bodies progressing, etc.)	Y	CUSC

Item status colour key: **Yellow** = Progressing externally; **Amber** = Tabled at other MHHS group

Consequential Change Impact Assessment Group Successfully Concluded

It was agreed with industry attendees in the Consequential Change Impact Assessment Group on 23 February 2023 that the group has successfully delivered against its objectives and should be closed.

The Programme will now publish the baselined Consequential Change Log which defines all consequential changes that will be taken on to solution definition by Code Bodies and then subsequently taken into Code drafting under the Cross Code Advisory Group. Any new items requested by Programme Parties will have to be raised as Change Requests.

The Programme will now manage the Consequential Change items as dependencies into Code drafting and monitor the timely delivery of solutions with the Code Bodies.

Thank you to all of the Programme Participants who have been instrumental in the effectiveness and success of this group.

CCIAG ToR Objectives

CCIAG has delivered the objectives defined within its ToR. CCIAG was convened to discuss items that:

- ✓ are not being considered as part of the scope of the MHHS TOM or design – 48 topics raised.
- ✓ may have an impact on existing systems and processes for Programme Parties – 30 topics progressed to code drafting.
- ✓ where there is value to those parties in discussing and sharing information on those items – attendees' feedback has been this was a useful group which successfully delivered on its purpose.

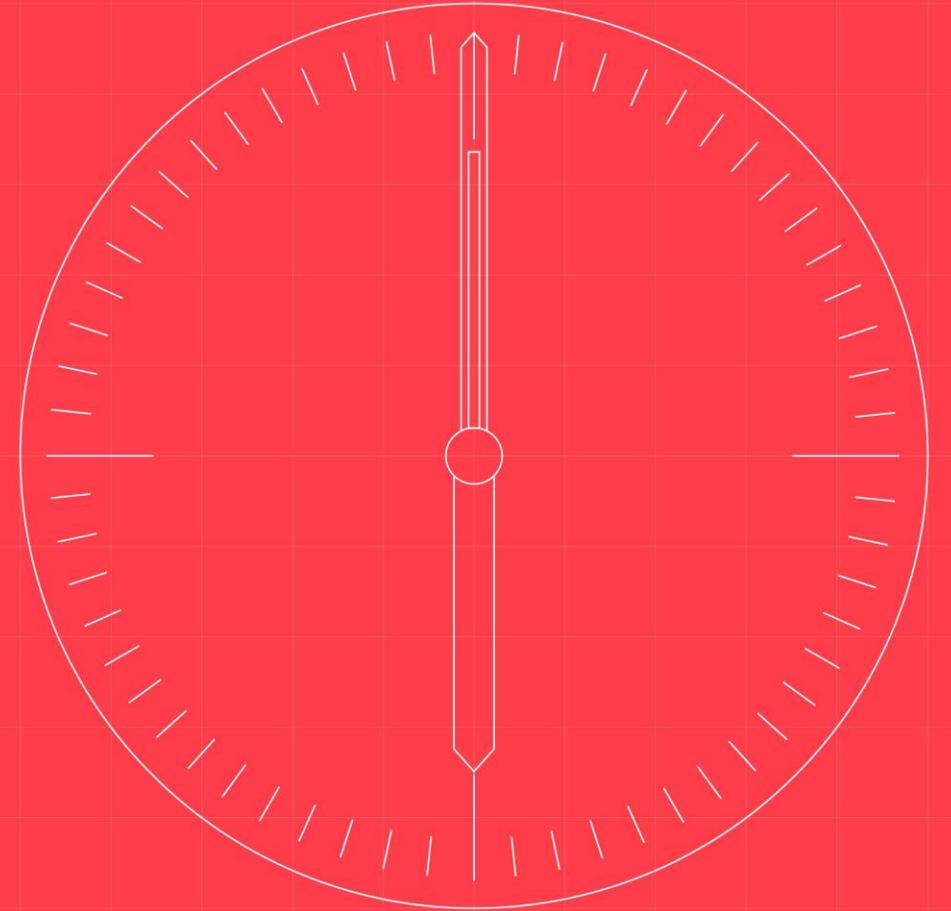
DECISION: DAG are asked to agree CCIAG is now complete and the group can be closed.

Programme Updates

INFORMATION: Updates from other MHHS governance groups and wider Programme updates

Programme – PMO

5 mins



Programme updates

Governance group updates

Programme Steering Group (PSG)

Update from PSG 01 February 2023

- Avanade introduction:** The new DIP provider, Avanade, provided an overview of themselves and their DBT plan
- Status updates:** The PSG heard updates on progress of the M5 Work-Off Plan (which was being proposed for sign off at DAG) and Round 3 of consultation on the Programme plan (which had an excellent response rate with a positive outlook for SIT).
- Benefits Realisation Plan:** The PSG discussed the approach to benefits realisation post-go live and approved the updated Benefits Realisation Plan
- Change Control:** The PSG approved CR013, agreed to raise CR015 to Impact Assessment, and heard an update on the outcome of CR016
- Working Group Engagement:** The PSG discussed analysis on the engagement of constituencies and the organisations within them at the various MHHS Working Groups.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 15 February 2023

- Data Assessment Report:** The Programme updated on progress of the Data Assessment Report ahead of planned approval at an extraordinary TMAG on 28 February
- Environments Approach and Plan:** The TMAG reviewed and approved the uplifted draft v2.2 of the Approach and Plan
- TMAG future:** The TMAG agreed to maintain TMAG but to split the meeting in two halves for Test and Migration, with an option for constituencies to have co-representation for each
- Working group updates – Updates were provided on activity at the Qualification, Systems Integration Testing and Non-Functional Testing Working Groups

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 16 February 2023

- M5 Work-Off Plan:** DAG agreed the M5 Work-Off Plan could be closed, noting the resolutions to each work-off item and the next forward actions. Full details of the resolutions to each item can be found within the [M5 Work-Off Plan - Final DAG Report v2.0](#) and minutes of the DAG meetings held 01, 08, and 16 February 2023.
- Re-Baseline of MHHS Design Artefacts:** DAG unanimously agreed to the re-baselining of the MHHS Design Artefacts, following updates made as part of the closure of the Work-Off Plan and BPRWG & TDWG Design Assurance Forums. The basined Design Artefacts can be found on the [MHHS website](#).
- Programme Change Requests (CR):** DAG discussed new CR018 (Registration Service Operating Hours) which has been raised to accompany CR017 (LDSO Registration Service Dip messages processing times). DAG requested amendments to CR018 and the change resubmitted for a decision on issuance to impact assessment alongside CR017.

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 22 February 2023

- Horizon Scanning Log:** BSC Modification P432 has been approved and issued to Ofgem for decision. The change is dependent on DCUSA CP415 and decision timeframes are unknown at present. REC Change Proposal R044 has been approved, which facilitates provision of the new Meter Data Retrieval (MDR) role. New REC changes have also been raised as a result of detailed design work ongoing by the DCC (see R093 & R097).
- Ofgem Code Designation Update:** Ofgem advised of a current preference to utilise Significant Code Review (SCR) powers to implement the code change required to give effect to MHHS. Other options are available and Ofgem continue to work with the Programme to ensure the most effective method is used.
- Code Drafting Replan:** Changes are required to the Code Drafting Plan following comments received as part of the wider Programme Replan. Key changes will include increased time for code drafting and associated consultations.

CCAG papers available [here](#)

Wider Programme updates

Programme replan

Round 3 consultation is closed. **Round 3 Artefacts** are still available on the [Planning page of the MHHS website](#) for reference. You can also view **Planning Playbacks** slides and recordings on the [Events page](#).

On **Wednesday 1 March 2023**, the Programme team will inform the Programme Steering Group (PSG) of a one-month extension to the Programme's Replan release date. This means a Replan Change Request will now be issued to industry for Impact Assessment following the PSG on **Wednesday 5 April 2023**.

The proposed date for Milestone 9 (M9) remains unaltered from the Round 3 consultation, whilst acknowledging that there is still some risk to that date whilst we work with a number of parties on the critical path to confirm their alignment to that date. We've received very encouraging Round 3 responses which confirm that many industry participants will be ready for Systems Integration Testing (SIT)

Webinars

- Webinar:** [Systems Integration Testing \(SIT\) Participation](#), 23 February
- Webinar:** [Introduction to the Data Integration Platform \(DIP\)](#), 28 February

Re-baselined MHHS Design Artefacts:

At the Design Advisory Group on 16 February, the DAG unanimously approved the Design Artefacts to be re-baselined. The design is now under Change Control. Design Artefacts are published on the respective Design Artefacts pages of the [Collaboration Base](#) and the [MHHS website](#).

Consultation reminder:

- Migration Design Artefacts:** consultation on Migration Design Artefacts closes on 24 February. Migration Design pages of the [MHHS website](#) and the [Collaboration Base](#) provide information about the consultation.
- Code Drafting:** consultation on Code Drafting Artefacts is open until 13 March. Outstanding artefacts will be issued on 24 February Visit the [Code Artefacts page of the MHHS website](#) for more information

DIP simulator

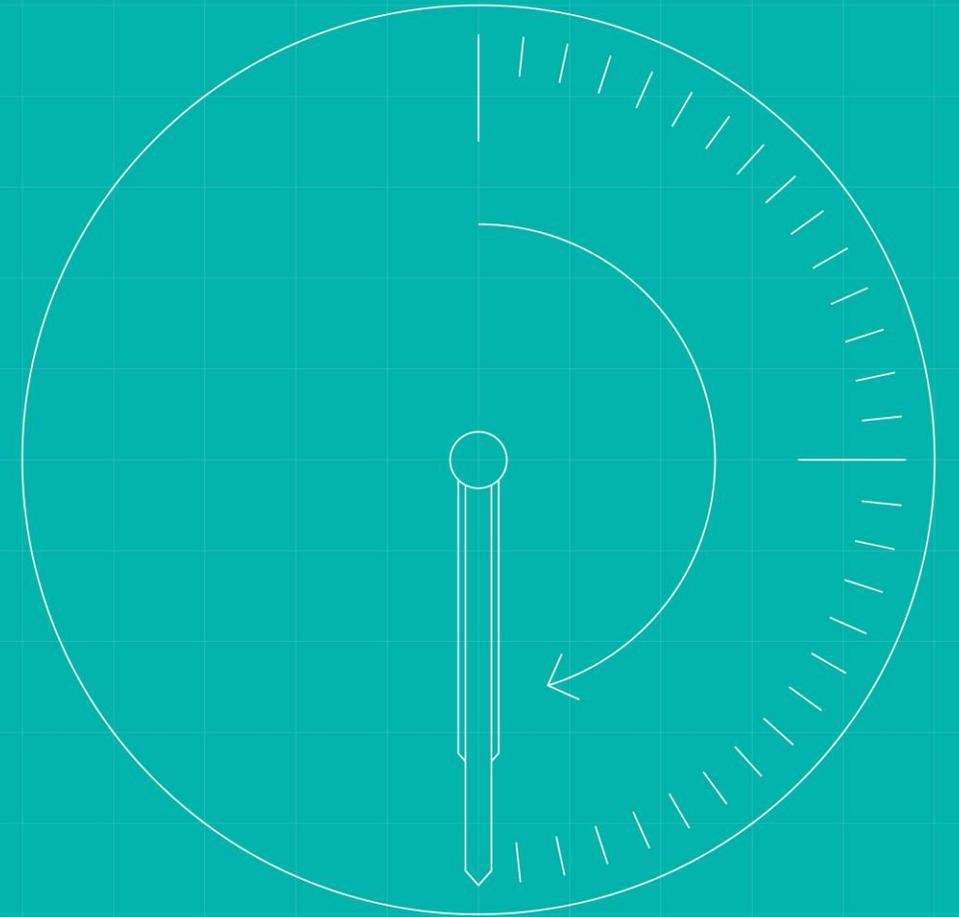
The Programme is producing a range of testing. This is being scheduled to incorporate Version 5 of the Design. Information on Release 1 will follow. Simulators and Emulators Testing tools are provided for final validation in testing. We encourage participants to start and continue testing ahead of Release 1. 16 participants have requested early access to the current version of DIP Simulator. If you would like early access, email Sims.Ems@mhhsprogramme.co.uk

Transition Plan Update

INFORMATION: Verbal update on transition activities and plan

Programme – Ian Smith

10mins

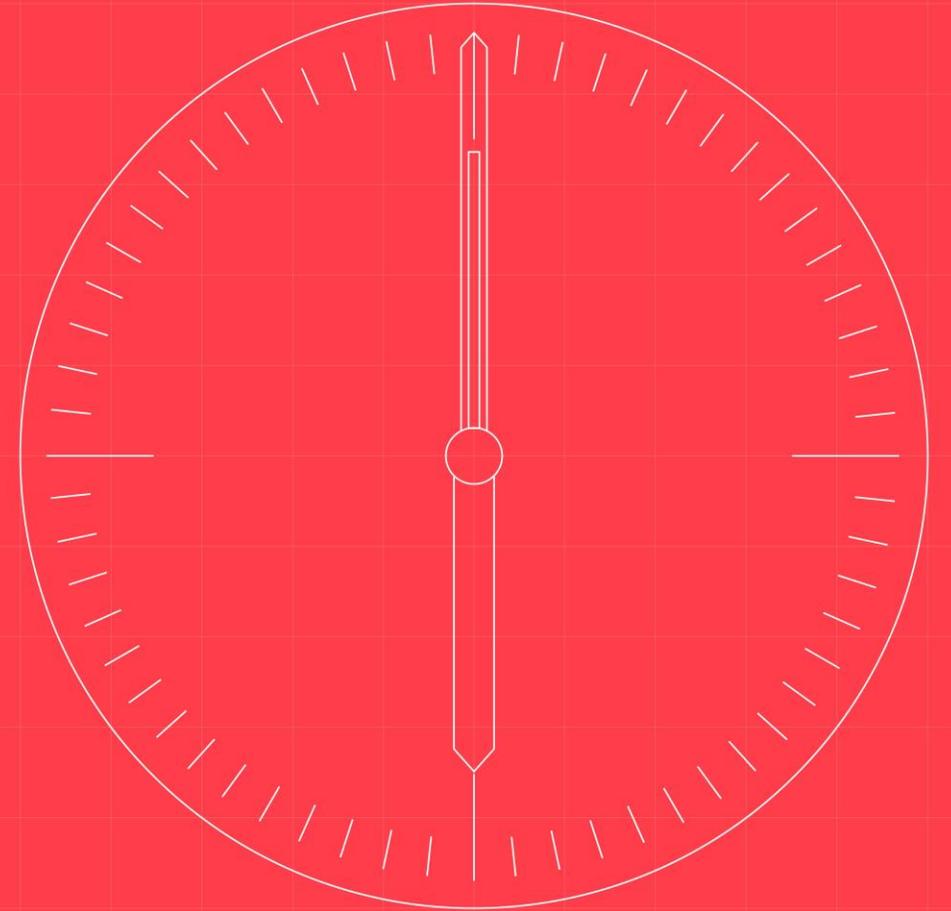


Minutes and Actions

DECISION: Approval of minutes and review of actions

Secretariat

60 mins



Minutes and Actions Review (1 of 6)

- Approve [Headline Report](#) and change marked Minutes of DAG held 11 January 2023 and 08 February 2023
- Review outstanding actions:

Ref	Date	Action	Owner	Due	Latest update
DAG21.1-01	16/02/2023	Programme to issue proposed DTN flow changes to DAG and Programme Participants prior to end of February 2023	Programme (Design Team)	28/02/2023	ONGOING: Document detailing proposed DTN flow changes to be issued to DAG and Programme Participants.
DAG21.1-02	16/02/2023	Programme to issue MPAN Linkage guidance to DAG and Programme Participants prior to end of February 2023	Programme (Design Team)	28/02/2023	RECOMMEND CLOSED: Document will be issued to DAG ahead of the next meeting and notification issued to Programme Participants.
DAG21.1-03	16/02/2023	Programme to confirm how MPAN Linkage guidance document and updated MHHS Design Artefacts will be issued	Programme (Design Team)	28/02/2023	RECOMMEND CLOSED: Document will be issued to DAG via email ahead of the next meeting and notification issued to Programme Participants via The Clock.
DAG21.1-04	16/02/2023	Programme to add wording to the Work-Off Plan completion report to reflect that minor changes required in relation to work-off items D-034d and D-053 are being issued to the Design Authority as 'pre-approved' changes to be scheduled in the next standard artefact release.	Programme (Claire Silk)		RECOMMEND CLOSED: v2.0 of the DAG meeting papers for 16 February 2023 created. Available on the MHHS website.
DAG21.1-05	16/02/2023	Programme to update DAG meeting slides to reflect that comments were provided by a Programme Participants on work-off item D-034b	Programme (Claire Silk)		RECOMMEND CLOSED: v2.0 of the DAG meeting papers for 16 February 2023 created. Available on the MHHS website.
DAG21.1-06	16/02/2023	Programme to confirm the versioning of the technical Design Artefacts	Programme (Claire Silk)		RECOMMEND CLOSED: Technical Artefact version numbers have been uplifted as follows: End to End Solution Architecture v3.0 End to End Non-Functional Requirements v3.0 Physical Interface Specifications v1.0 (this aligns with the published version of Swagger)
DAG21.1-07	16/02/2023	Programme to consider comments from DAG on CR018 and determine whether changes should be made and the CR resubmitted for decision on issuance to Impact Assessment	Programme (Ian Smith)		RECOMMEND CLOSED: CR018 updated to accommodate feedback from DAG and resubmitted.
DAG21.1-08	16/02/2023	Programme to consider whether change marked artefacts should be issued with Programme Change Requests and who would be expected to provide any change marking	Programme (PMO)		ONGOING: To be consider as part of wider improvements to <i>MHHS-DEL171 Change Control Approach</i> .

Minutes and Actions Review (2 of 6)

Ref	Date	Action	Owner	Due	Latest update
DAG21.1-09	16/02/2023	Programme to confirm whether small changes to Programme Change Requests requested by decision-making group prior to issuance for Impact Assessment must always return to the Programme Change Board for validation prior to issuance	Programme (PMO)	08/03/2023	ONGOING: To be consider as part of wider improvements to <i>MHHS-DEL171 Change Control Approach</i> .
DAG21.1-10	16/02/2023	Programme to advised CR014 Proposer how the update change can be submitted back into the Programme change control process	Programme (PMO)	08/03/2023	RECOMMEND CLOSED: Proper advised of next steps.
DAG21.1-11	16/02/2023	Programme to provide an overview of the CR process and Change Management Process at next DAG meeting	Programme (PMO)	08/03/2023	RECOMMEND CLOSED: Overview of Programme Change Control Approach provided under agenda item 4
DAG21.1-12	16/02/2023	Programme to confirm whether migration Design Artefacts will be submitted to the 08 March 2023 DAG for approval	Programme (PMO)	08/03/2023	RECOMMEND CLOSED: Migration Design Artefacts will be submitted to DAG for approval at an extraordinary meeting to be held 29 March 2023. At DAG meeting on 08 March 2023, the group will be asked for a decision on who should be the sender of the D0170 flow.
DAG21.1-13	16/02/2023	Programme to confirm when the DIP detailed design artefacts will be submitted to DAG	Programme (Ian Smith)	08/03/2023	ONGOING: Update to be provided in meeting.
DAG21.1-14	16/02/2023	Programme to advise where existing approved DIP artefacts are published and confirm whether they will be published in future	Programme (Claire Silk)	08/03/2023	RECOMMEND CLOSED: DIP Artefacts are available on the Data Integration Platform (DIP) area of the Collaboration Base.
DAG21-01	08/02/2023	Programme to confirm how archived versions of Design Artefacts can be made available	Programme (Claire Silk)	08/03/2023	RECOMMEND CLOSED: Archived artefacts will not be published through Programme channels to preserve the integrity of the baselined artefacts and avoid any confusion. Participants are welcome to request archived version by email, and this will be considered, with any documents provided being marked as archive/uncontrolled.
DAG21-02	08/02/2023	Programme to ensure CR015 is published on the MHHS website	Programme (PMO)	08/02/2023	RECOMMEND CLOSED: CR015 is available via the Programme Change Control page of the MHHS website.

Minutes and Actions Review (3 of 6)

Ref	Date	Action	Owner	Due	Latest update
DAG21-03	08/02/2023	Programme to consider publishing a log of Programme Change Request, and whether changes progressing via the Design Authority should be published within the same log	Programme (PMO)	08/03/2023	ONGOING: To be consider as part of wider improvements to <i>MHHS-DEL 171 Change Control Approach</i> .
DAG21-04	08/02/2023	Proposer to consider amendments to CR017 to: reference BSCP501; include clarity on whether it is people, services or systems which will only operate in-hours, and; to provide detail on impacts to SLAs.	CR017 Proposer (Catherine Duggan)	ASAP	RECOMMEND CLOSED: Amended CR017 resubmitted and revalidated by the Programme Change Board.
DAG21-05	08/02/2023	DAG members to provide any additional comments on CR017 directly to the Proposer	DAG members	ASAP	RECOMMEND CLOSED: Proposer advises no further comments received.
DAG21-06	08/02/2023	Programme to raise Change Request (CR) to provide an alternative option to the solution options detailed in CR017 (LDSO Registration Service Dip messages processing times)	Programme (Ian Smith)	ASAP	RECOMMEND CLOSED: CR018 raised and discussed at extraordinary DAG 16 February 2023. Updates agreed to be made and CR will be issued for Impact Assessment alongside CR017.
DAG20.1-01	01/02/2023	Programme to consider how to increase awareness of the Programme change request process and Design Change Management Procedure for Participants (e.g. webinar, newsletter article, etc.)	Programme (PMO and Design Assurance Teams)	08/03/2023	ONGOING: To be consider as part of wider improvements to <i>MHHS-DEL 171 Change Control Approach</i> . Current considerations are around hosting a webinar, bringing an overview to each constituency based group, and creating a quick guide.
DAG20.1-02	01/02/2023	DNO Representative to issue draft Programme Change Request on registration service operating hours to DAG for comment ahead of Programme Change Board on 06 February 2023	DNO Representative (Gemma Slaney)	ASAP	RECOMMEND CLOSED: CR017 raised and discussed at DAG 08 February 2023. Updates agreed to be made and CR will be issued for Impact Assessment alongside CR017.
DAG20.1-03	01/02/2023	Programme to confirm governance requirements and timelines for potential changes to DTN messages and provide update to DAG (e.g. confirm any design elements of changes which may require approval by DAG)	Programme (Ian Smith)	15/02/2023	RECOMMEND CLOSED: Latest update is in final report. Will be subject to review by DAG. Work off item agreed closed (D-025).
DAG20.1-04	01/02/2023	Programme to confirm which role code MDS would use (current presumption is SVA code)	Programme (Ian Smith)	15/02/2023	ONGOING: Update to provided in meeting.
DAG20.1-05	01/02/2023	Programme to confirm whether additional testing is required for new roles agreed as part of the work-off item D-034a	Programme (Testing Team)	15/02/2023	RECOMMEND CLOSED: Test planning will incorporate considerations regarding exchange of flows between MHHS parties and therefore will cover the use of designated role codes.

Minutes and Actions Review (4 of 6)

Ref	Date	Action	Owner	Due	Latest update
DAG20.1-06	01/02/2023	Programme to confirm whether is Calculation Self-Assessment Document (CSAD) requirements are within scope of Programme code drafting work	Programme (Ian Smith)	15/02/2023	RECOMMEND CLOSED: Latest update added to final DAG report. Work-off item closed (D-011).
DAG20.1-07	01/02/2023	Elexon to submit complex site metering issue to item to Design Authority via a Design Issue Notification for to enable prioritisation of discussion as part of the Design Change Management Procedure	Elexon (Jonny Moore)	15/02/2023	ONGOING: Update to provided in meeting.
DAG20.1-08	01/02/2023	Large Supplier Representative to provide further detail on constituency views on work-off item D008 (Complex Site Arrangements) and proposed alternative	Large Supplier Representative (Haz Elouman)	13/02/2023	RECOMMEND CLOSED: Action now assigned to Large Supplier Representative at the Design Authority.
DAG20.1-09	01/02/2023	Programme to confirm which release note addresses work-off item D-009 (Rejection of MDR Notification to DCC) and how Programme Participants would be given visibility of the changes to Design Artefacts	Programme (Design Team)	15/02/2023	RECOMMEND CLOSED: Latest update added to final DAG report. Work-off item closed (D-009)
DAG20.1-10	01/02/2023	Programme to confirm the governance arrangements for approval of the DIP detailed design (e.g. design elements to be approved by DAG and code drafting elements to be approved by CCAG)	Programme (Design Team)	15/02/2023	RECOMMEND CLOSED: DIP detailed design will be submitted to DAG for approval. See new ACTION DAG21.1-13
DAG20.1-11	01/02/2023	Programme to provide guidance on the linking of import/export meters (D-033 – MPAN Linkage (Related & Import/Export)) and consider whether any clarificatory additions to the associate Design Artefact are required	Programme (Simon Harrison)	15/02/2023	RECOMMEND CLOSED: Document will be issued to DAG via email ahead of the next meeting and notification issued to Programme Participants via The Clock. Clarifications added to Design Artefact prior to re-baselining, and these are detailed in the Final DAG Report.
DAG20.1-12	01/02/2023	Programme to consider how to provide clarity on the data services for import/export meters and how Programme Participants can be given visibility of this	Programme (Ian Smith)	15/02/2023	ONGOING: Note guidance issued under DAG21.1-02. Action retained to confirm clarity provided.
DAG20-02	11/01/2023	Programme to provide views on DNOs as central system providers	Programme (Design Team)	08/02/2023	ONGOING: Update to provided in meeting.
DAG20-03	11/01/2023	DAG members to provide any views on the role of DAG post M5 Work-Off Plan completion to support review of DAG ToR	DAG Members	08/02/2023	ONGOING: Views continue to be invited.

Minutes and Actions Review (5 of 6)

Ref	Date	Action	Owner	Due	Latest update
DAG20-04	11/01/2023	Programme to provide update on status of DTN interface specification and logical data model	Programme (Design Team)	ASAP	RECOMMEND CLOSED: Logical data model is now baselined and available via the Programme Collaboration Base. The DTN interface specification will be issued per ACTION DAG21.1-01.
DAG20-05	11/01/2023	Programme to update DA ToR to include a minimum number of reps for quoracy	Programme (Design Assurance Team)	19/01/2023	RECOMMEND CLOSED: DA ToR updated to include minimum quoracy.
DAG20-06	11/01/2023	Programme to clarify whether DA as closed group can operate as a L4 MHHS governance meeting	Programme (PMO)	18/01/2023	RECOMMEND CLOSED: Clarification provided to DAG alongside publication of DAG 11 January 2023 minutes. DA can operate as a closed group providing this is detailed within the group's Terms of Reference.
DAG20-07	11/01/2023	Programme to provide guidance and examples on how Programme change processes will operate	Programme (Design Assurance Team)	19/01/2023	RECOMMEND CLOSED: Examples provided of types of change and how procedure will operate at first DA meeting.
DAG20-08	11/01/2023	Programme issue reminder to DAG members for appointments	Programme (PMO)	18/01/2023	RECOMMEND CLOSED: Reminder issued. Majority of seats now filled. Vacant seats include: DCC Representative, Medium Supplier Representative, National Grid ESO, Consumer Representative.
DAG20-09	11/01/2023	Programme to confirm how transition/migration artefacts will be baselined	Programme (Design Team)	08/02/2023	RECOMMEND CLOSED: Migration artefacts will be baselined via DAG using same process as core design. Transition design artefacts will progress via DAG also.
DAG20-10	11/01/2023	Programme to issue update on remaining work-off items to DAG	Programme (Design Team)	w/c 23/01/2023	RECOMMEND CLOSED: Detailed in the Final DAG Report
DAG20-11	11/01/2023	Programme to consider what items should be brought to 08 February 2023 DAG meeting to confirm whether the meeting should be ahead	Programme (Design Team)	01/02/2023	RECOMMEND CLOSED: Meeting held.

Minutes and Actions Review (6 of 6)

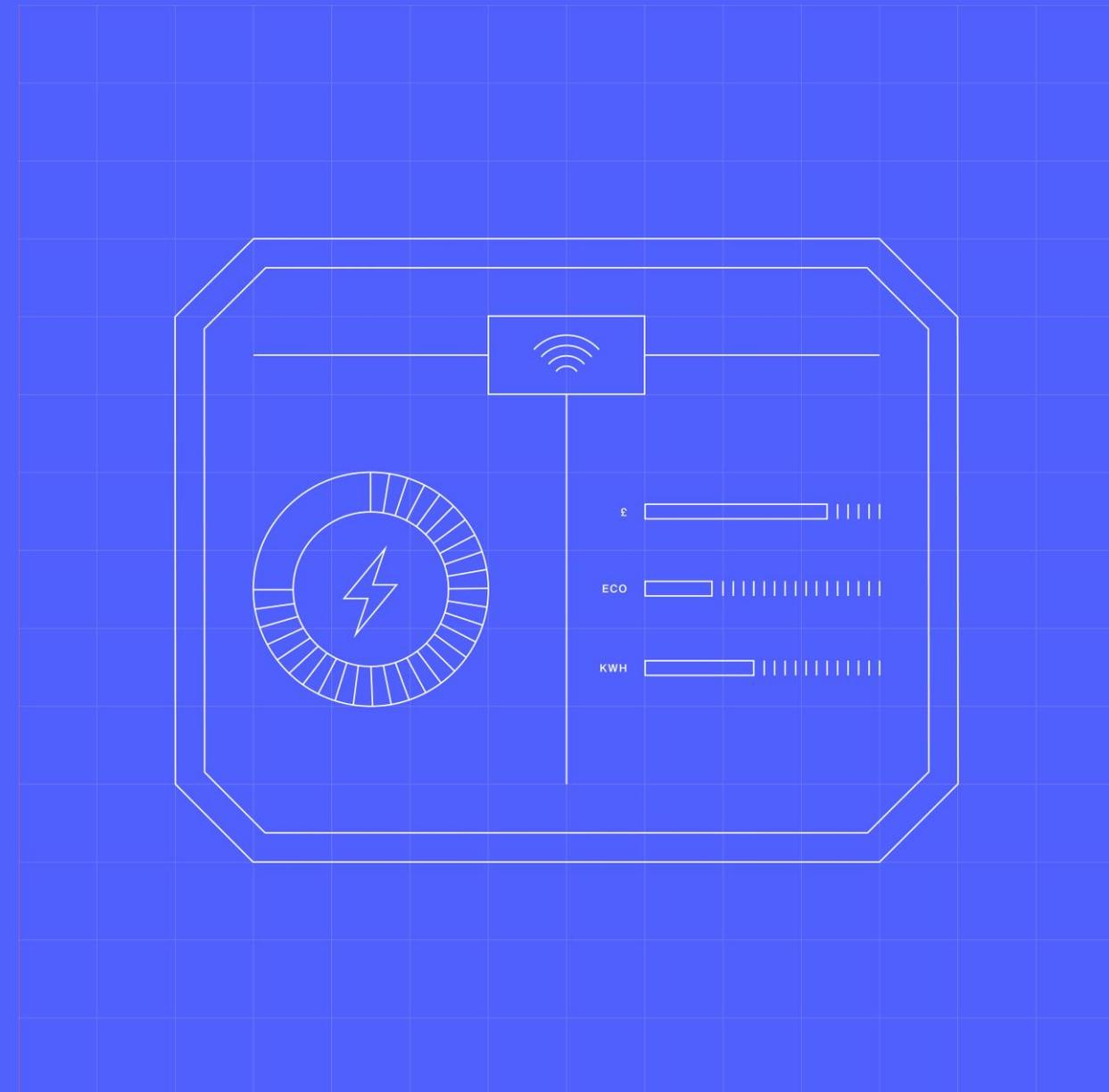
Ref	Date	Action	Owner	Due	Latest update
DAG19-01	14/12/2022	Programme to issue update on migration / transition activities and plan	Programme (Adrian Page)	11/01/2023	RECOMMEND CLOSED: Migration Design plan to be discussed under agenda item 2 at DAG 08 March 2023. Transition update to be provided under agenda item 8
DAG19-02	14/12/2022	Ofgem to provide information on assumed half-hourly data opt-out rates	Ofgem (Jenny Boothe)	11/01/2023	ONGOING: Awaiting Ofgem response. N.B. CR015 approved at PSG 01 January 2023 (Option A).
DAG19-04	14/12/2022	Programme to ensure formal Programme Change Request is raised in relation to work-off item D-012 (E7/E10 differential settlement)	Programme (Design Team)	11/01/2023	RECOMMEND CLOSED: CR015 approved at PSG 01 January 2023 (Option A).
DAG19-05	14/12/2022	Programme to issue draft CR relating to D-013 (Registration Service Operating Hours) to DAG for review prior to formal submission	Programme (Design Team)	11/01/2023	RECOMMEND CLOSED: CR017 and CR018 raised.
DAG17-02	31/10/2022	Chair to review the DAG Terms of Reference to ensure there is clarity over the role of DAG post-M5.	Chair	14/12/2022	ONGOING: Comprehensive review underway and proposed new Terms of Reference targeted for submission to May 2023 DAG. Views from DAG members continue to be invited, per ACTION DAG20-03.
DAG17-09	31/10/2022	Programme to update M5 Design Baseline Report	Programme (Warren Fulton)	19/12/2022	RECOMMEND CLOSED: Action now superseded by Final DAG Report

Summary and next steps

INFORMATION: Summarise key discussions, actions, and next steps

Chair & Secretariat

10 mins



Summary and Next Steps

Next steps:

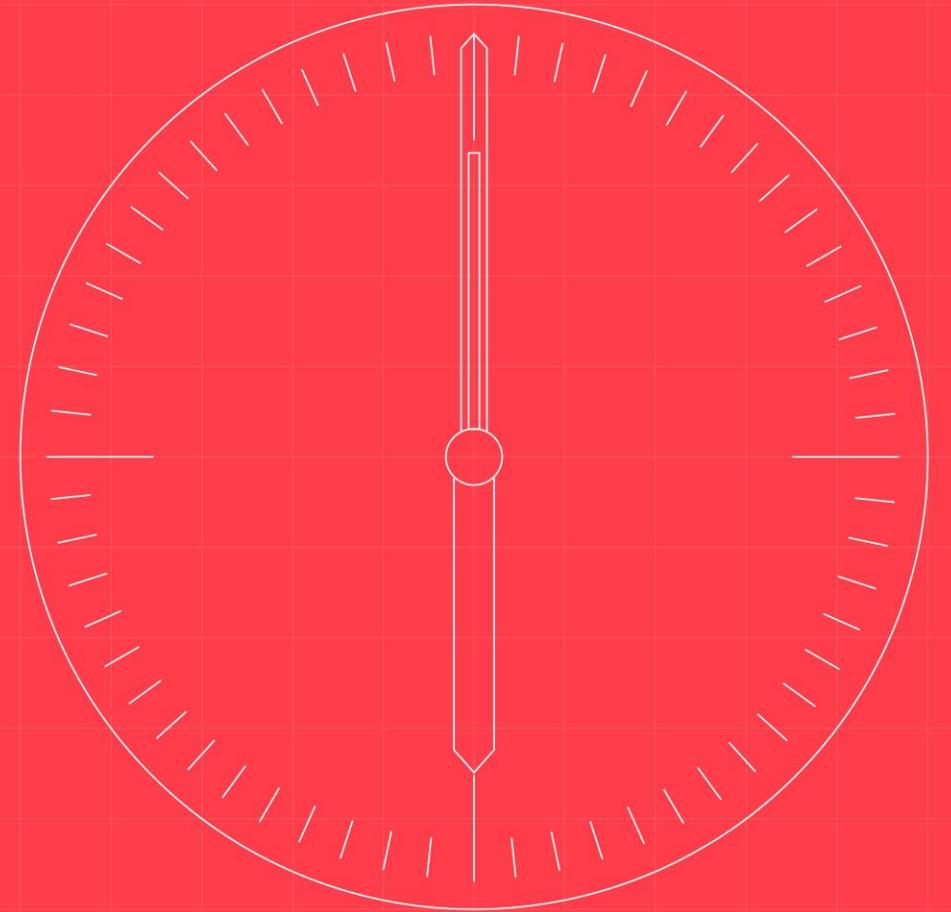
- Confirm actions and decisions from meeting
- Next DA meeting: **23 March 2023 2pm**
- Next DAG meeting (extraordinary): **29 March 2023 10am (to approve Migration Design)**
- Next DAG meeting (regular): **12 April 2023 10am**

Meeting dates	29-Mar	12-Apr	10-May
Relevant milestones or activities	Migration Design Baseline	Design baseline management	Design baseline management
Agenda items	<ul style="list-style-type: none"> • Migration Design overview • Migration Design baseline decision 	<ul style="list-style-type: none"> • Programme CR updates 	<ul style="list-style-type: none"> • DAG ToR refresh • Programme CR updates
Standing items	<ul style="list-style-type: none"> • N/A 	<ul style="list-style-type: none"> • Minutes and actions • Programme updates • DA updates / notifications • Summary and next steps 	<ul style="list-style-type: none"> • Minutes and actions • Programme updates • DA updates / notifications • Summary and next steps

If you would like to propose an agenda item for the DAG or would like any information about MHHS governance groups, please contact the Programme PMO (PMO@mhhsprogramme.co.uk)

Appendix 1

D0170 Feedback Responses



Appendix 1 – D0170 Feedback Responses

Constituency	Total Response Count	For Reg. Service sending D0170	For Suppliers sending D0170
Suppliers / 3 rd Party IT Providers	17	17	0
St Clements / DNOs	6	0	6
Agents	3	2	1
TOTAL	26	19	7