



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

Design Advisory Group #21

08 February 2023

Version 1.0

MHHS-DEL934

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	Welcome			Chair	10:00-10:05 5 mins	1
2	Work-Off Plan Completion	Review of completion of work-off items	Discussion	Programme (Warren Fulton & Claire Silk)	10:05-10:50 45 mins	4
3	SI Design Assurance View	Provide view from the MHHS SI Design Assurance Team of second line assurance relating to completion of the Work-Off Plan	Information	Programme (Design Assurance Team)	10:50-10:55 5 mins	9
4	IPA View	Provide view from the Independent Programme Assurance provider of third line assurance relating to completion of the Work-Off Plan	Information	IPA (Colin Bezant)	10:55-11:00 5 mins	11
5	Work-Off Plan Decision	Decision on completion of the M5 Work-Off Plan and re-baseline of MHHS Design Artefacts	Decision	Chair & Secretariat	11:00-11:40 40 mins	12
Break (5 mins)						
6	DAG ToR Review	Discuss views from DAG on prospective updates to DAG ToR	Discussion	Chair	11:45-11:50 5 mins	20
7	Programme Change Requests	<ul style="list-style-type: none"> I. Updates on Change Request relating to E7/E10 settlement differential and registration service operating hours II. CR017: Decision on whether to raise the Change Request to Impact Assessment 	Decision	Programme (Ian Smith) & Electricity North West (Catherine Duggan)	11:50-12:05 15 mins	21
8	Design Authority Update	Updates from the inaugural Design Authority meeting	Information	Programme (Paul Pettitt & Fraser Mathieson)	12:05-12:10 5 mins	23
9	CCIAG Update	Updates from the CCIAG and discussion on future meetings	Discussion	Programme (Fraser Mathieson)	12:10-12:20 10 mins	24

Agenda

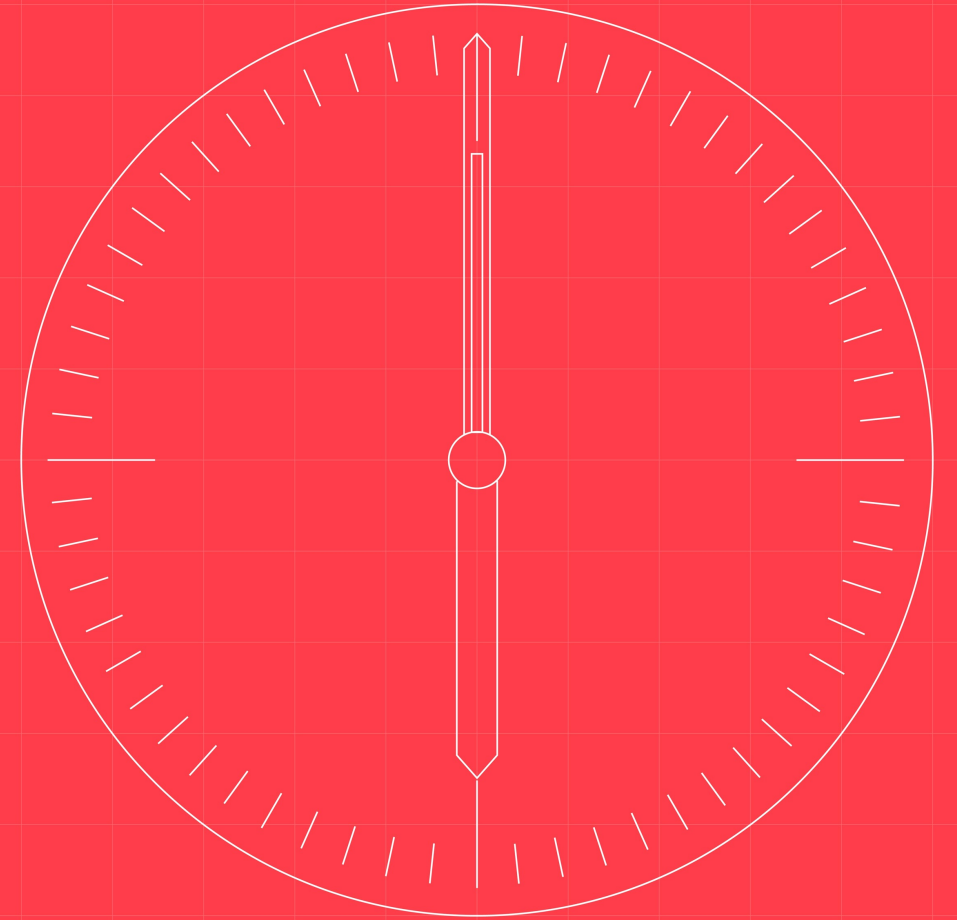
#	Item	Objective	Type	Lead	Time	Page
10	Programme Updates	Updates from other MHHS governance groups and wider Programme updates	Information	Programme (Fraser Mathieson)	12:20-12:25 5 mins	26
11	Minutes and Actions	Approval of minutes and review of actions	Decision	Secretariat	12:25-12:55 30 mins	28
12	Summary and next steps	Summarise key discussions, actions, and next steps	Information	Chair & Secretariat	12:55-13:00 5 mins	31
Attachments						
Attachment 1 – DAG 11 January 2023 Minutes v1.1 (change marked)						

Work-Off Plan Completion

DISCUSSION: Review of completion of work-off items

Programme (Warren Fulton & Claire Silk)

45 mins



MHHS Design – M5 Work-Off Plan- Assurance Meeting- Next Steps

Work Off Item	Participant Views	MHHS Programme View	Next Steps
D-045- Unmetered Connection Type	Tom Chevalier- Power Data Associates (Independent Agent Constituency) challenged the Programme response to Assurance comments not to remove the Metered Indicator on the basis that there is a risk around conflicting information. Noted that this risk is not easily quantified.	The Programme stand by the rejection rationale on the basis that the Metered Indicator is used by CSS in other processes and, as such, to remove from interfaces would require wider impact assessment.	ACTION: Power Data Associates to quantify the risk and provide justification to DAG Constituency Representative. DAG decision required as to whether change should be incorporated
D-034D- Redundant Data Items in Unmetered Segment	Tom Chevalier- Power Data Associates (Independent Agent Constituency) challenged Programme rejection of Assurance comments on the basis that the topic of redundant data items has not been fully addressed and debated within the Working Groups. Noted that it is unknown whether this is a core problem or related to edge cases.	The Programme stand by the rejection rationale as to remove data items would lead to an inconsistency across interfaces and would require wider impact assessment outside of the core MHHS design. This is not a priority activity within the Design phase and should be considered post Migration.	ACTION: Power Data Associates to quantify the risk and provide justification to DAG Constituency Representative. DAG decision required as to whether change should be incorporated
D-053- Minor Corrections- Interfaces	Sarah Jones- RECCo (Central Party) raised a concern that upon review of the Interface Catalogue the note relating to the setting of the Customer Direct Flag did not reflect the position agreed in the Dissensus Forum and noted that this will cause an issue in Code Drafting	This issue was not raised by any parties as part of the Assurance comments. Red-lined changes were included in v4.5 which removed the note stating that the flag could be set by anyone. Changes to be incorporated to state that the flag can only be set by the incumbent.	DAG to confirm acceptance of proposal to incorporate change. Change to be incorporated into MHHSP-BRS002- Metering Services and MHHSP- BRS001- Data Services and included in Release Notes for v5.0

MHHS Design Work-Off Summary updated after Design Assurance meeting (as of 27 January 2023)

Work-off item status:

Design Assurance meeting held Friday 27th January. This follows the same process used for the Design Baseline and previous Design Tranches. The purpose of the Design Assurance meeting is to offer participants a final opportunity to query or challenge design positions.

The meeting was well attended, with over 90 attendees, and comments were received in the meeting on 11 of the 70 work-off items. No comments were received for the remaining 80% of work-off items.

An Assurance Report was issued on Monday 30th January with the details of the 11 work-off items and suggested next steps.

Summary of next steps:

- It was agreed to make changes to Design Artefacts for 4 Work Off items (D-008, 009, 033, and 053) - detail of the changes are reflected in the Release Note (slides 25/26)
- 1 Work Off Item (D-022) requires the DIP detailed design timelines – published today (see PSG slides [PSG Meeting #17](#))
- 2 Work Off items (D-011/050, 034A) required Clarification Statements which were issued on Tuesday 31st Jan
- 1 Work Off Item (D-025) is to be progressed by the Code Drafting Workstream
- For 3 Work Off items (D-034B, D-034D and D-045) participants were asked to provide a justification to DAG for decision

MHHS Design Work-Off - Conclusion

The purpose of the MHHS Design development phase was to develop a design that was robust and stable to enable Participants to start DBT (design, build, test) and to support code drafting.

The Design was baselined at M5 and many Participants have started their DBT activities. Fewer number of participants engaged in the Work-Off plan review and the low volume of comments received indicates a level of comfort that the design works.

With many participants now undertaking their DBT activities it is imperative that the design development phase is concluded and the design moves into the Programme change control process. This is because any further design development work may result in rework for participants. Indeed, the large number of non-Work-Off comments received during this review indicates the risk that any further design change must be governed by the Programme change control governance.

From a MHHS Programme perspective, the stabilising of the Design is on the critical path to realising Consumer benefits, and any proposed delay to re-baselining the Artefacts and concluding the Design development phase must be of a materiality that justifies a delay to consumer benefits and increased industry cost.

MHHS Design - Recommendation

The MHHS Programme believes that there is no material reason why the Design Development phase cannot be concluded and the Design, in its entirety, be baselined and entered into change control.

The engagement findings from the Work-Off phase indicates that industry at large are comfortable with the Design as it stands. The only matters which have been escalated to DAG have been 'D-012-E7/E10 differential settlement' and 'D-013-Registration Service Operating Hours', and these are being handled as Change Requests to afford the constituencies a fair, transparent and objective way to present their required changes from the baseline position.

The Programme proposes that the Design development phase is concluded, and any further change, albeit cosmetic or material, be handled by the change control governance.

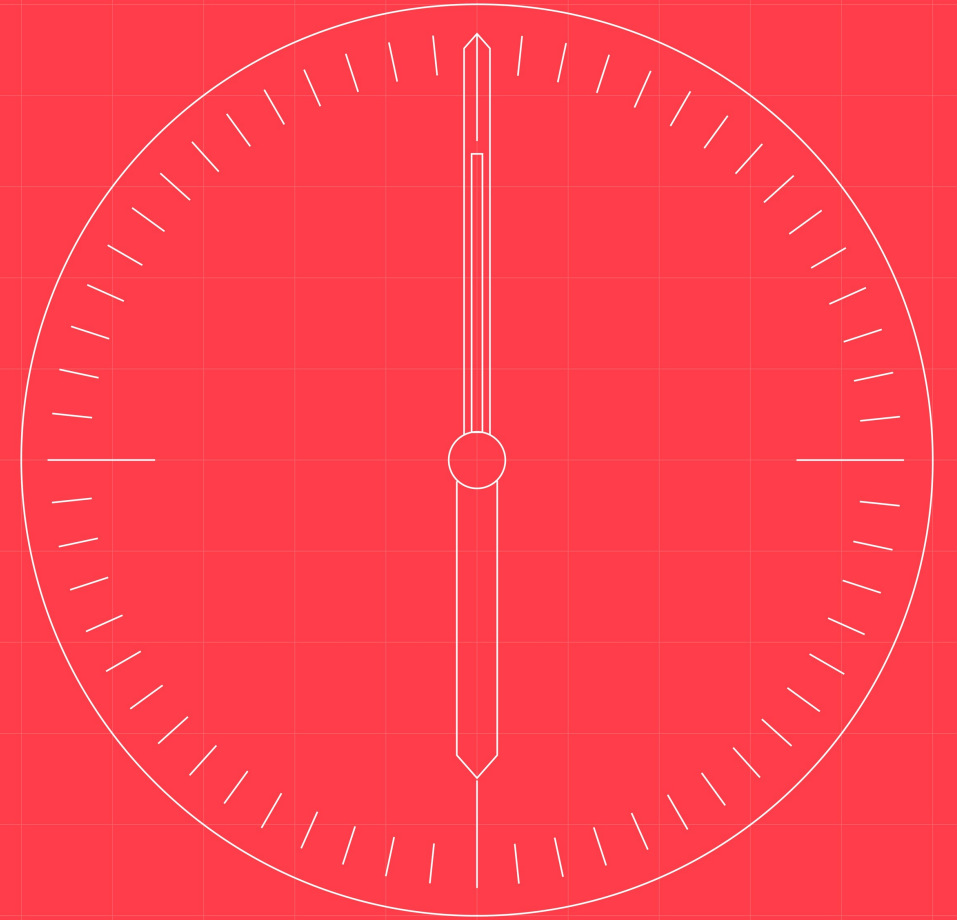
The Programme would also like to thank all participants, and DAG, for their engagement and support.

SI Design Assurance View

INFORMATION: Provide view from the MHHS SI Design Assurance Team of second line assurance relating to completion of the Work-Off Plan

Programme (Paul Pettitt)

5 mins



The SI Design Assurance Team continued its assurance role during the conclusion of the Work off Plan.

Key Headlines:

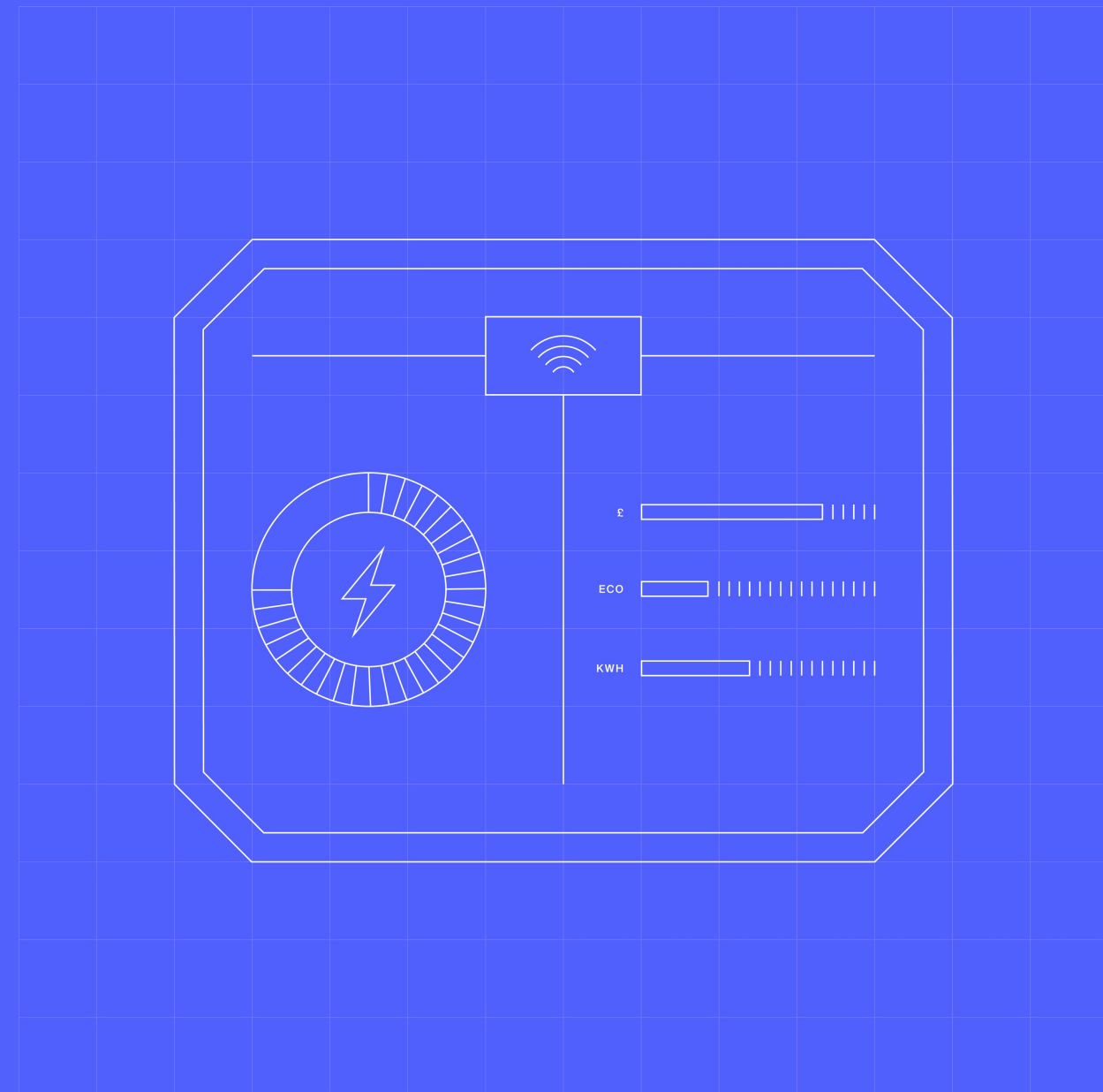
- **The design represented by the MHHS artefacts provides full coverage for the Target Operating Model at an acceptable level of quality and the design can be baselined**
- The focus the assurance was around the process followed in resolving the work off plan items and engagement with industry. The SRO design team engaged with and responded to programme participants throughout the work off plan via BPRWG and TDWG meeting where required
- A number of additional comments were raised by participants that did not directly relating to the work off items. Some cosmetic changes were made with others rejected as being out of scope. This may lead to these items being raised via the design change process
- The assurance findings raised in October 2022 as part of the design baseline have been raised as programme risks. These are reviewed on a regular basis
- Opportunities to improve the quality of the design content still exist and these will be taken forward as part of the design change management procedure and the newly formed Design Authority group, under DAG

IPA View

INFORMATION: Provide view from the Independent Programme Assurance provider of third line assurance relating to completion of the Work-Off Plan

IPA (Colin Bezant)

5 mins

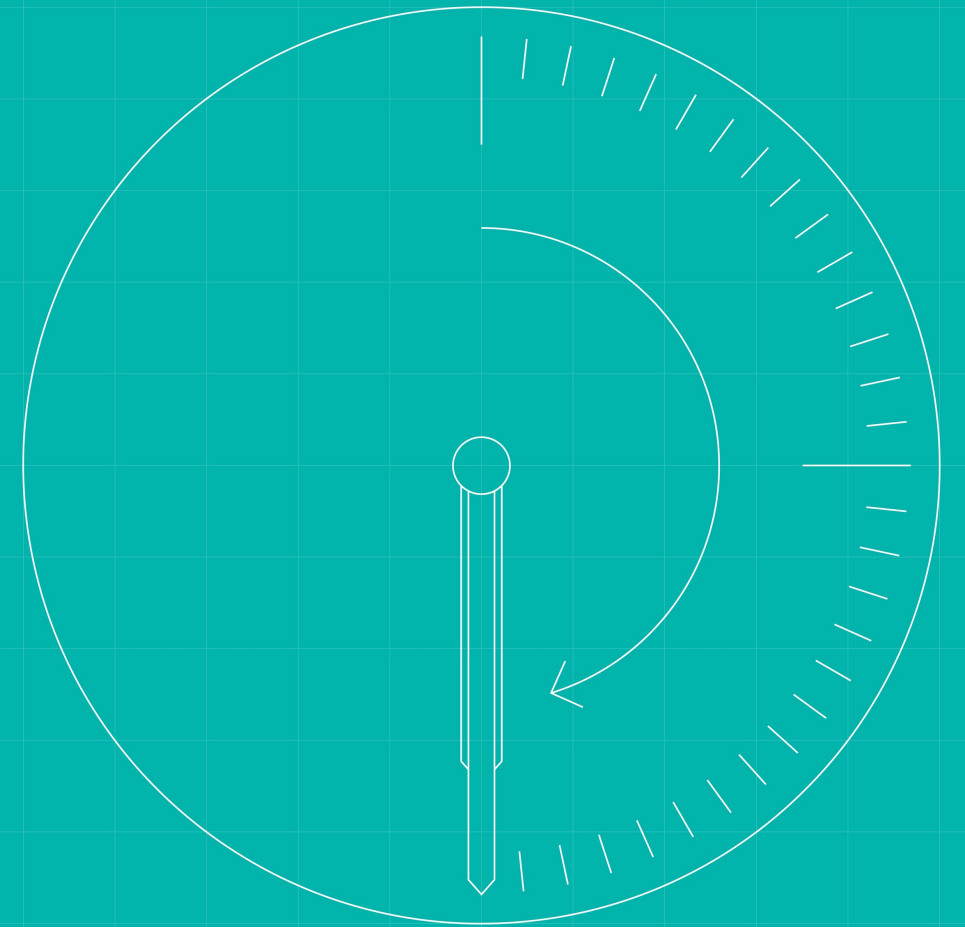


Work-Off Plan Decision

INFORMATION: Decision on completion of the M5 Work-Off Plan and re-baseline of MHHS Design Artefacts

Chair & Secretariat

40 mins



DAG Members will be asked:

Do you agree the MHHS design work off plan is complete and the MHHS Design can be baselined, noting that 2 work off items are closed by the raising of 2 CRs and 1 work-off item is closed by Code Drafting work?

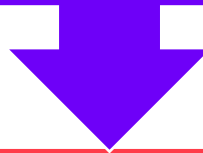
Each constituency representative will be asked to state 'Yes' or 'No'



If no, consequences of not baselining will be highlighted, and member will be asked:

Do the reasons not to baseline justify the impacts on market participants, Programme plan and consumer benefits?

Member to provide reasoning and evidence for meeting



The Chair will undertake actions dependent on the voting scenario.

Confirmation of the next steps will be provided.

Information on recourse available to Participants will be provided.

DAG Decision and Next Steps

DAG invited to:

- **APPROVE** that work off plan complete, noting that changes are made in accordance with the Release note in slides 24-25 and that 2 work off items are closed by the raising of 2 CRs and 1 work-off item is closed by Code Drafting work
- **APPROVE** the MHHS design is baselined
- **NOTE** the next steps are:
 - DAG was presented Versions 4.6 of the MHHS Design artefacts
 - A definitive list of the MHHS Design artefacts will be published with the DAG minutes (and contained in slides 24-26)
 - Once approved these will be uplifted to Version 5.0
 - MHHS Design artefacts and definitive list will be available on the MHHS Website and Collaboration Base by 8 February 2023
 - Previous versions will be archived
 - Version 5.0 of the MHHS Design artefacts will be uploaded into the Design Models (IServer tool on the Collaboration Base)
- **NOTE** that additional design artefacts will be brought for DAG review and approval from the migration and transition work

Design Artefacts v5.0 Release Note (1 of 2)

Ref	Description	Artefacts	Source	Assurance Comment
1	EZ Names are still in the ISD Specification - need to be removed	MHHSP-EDI021- ISD Entities	SI Design & RECCo	WOA011
2	ISD Spec has DIP Participant ID set to 12 Char - should be 10 Char	MHHSP-EDI021- ISD Entities	Helix	
3	EES & SDEP Doc has a hyper link to the Glossary on the cover page - this goes to a dead link. Fix or remove	MHHSP-BRS006- EES & SDEP Requirements	SI Design	
4	EES not listed as recipient for PUB-018 and PUB-026, even though those flows are shown on the latest version of BP010.	MHHSP- DES138- Interface Catalogue	ESG Global	
5	Add clarification comments to IF-019 and IF-020	MHHSP- DES138- Interface Catalogue	RECCo	WOA003
6	Check and remove DI-106 (duplicate of DI-849) from Interface catalogue	MHHSP- DES138- Interface Catalogue	RECCo & ESG Global	WOA014
7	Clarify in validation rules and note in BP009 that references should be in calendar days as per an earlier clarification comment. IF-005 (row 73)	MHHSP- DES138- Interface Catalogue	RECCo	WOA019
8	Green Deal Effective To Date - correct the typo in IF-050 DI-112	MHHSP- DES138- Interface Catalogue	RECCo	WOA020
9	IF-032 and IF-034 to be consistent with BP002 and BP003 (flags)	MHHSP- DES138- Interface Catalogue MHHSP-BP002- Change of Service - Metering Service MHHSP-BP003- Change of Service - Data Service	RECCo	WOA051
10	Remove EZ Name from IF013 - DI158	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
11	Remove EZ Name from IF021 - DI 846	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
12	IF-033 - remove DI109 (EZ Name) and reinstate DI108 (LDSO DIP ID)	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
13	IF-050 - need to redline removal of EZ Names	MHHSP- DES138- Interface Catalogue	Power Data Assoc	
14	Update JSON examples in Interface catalogue	MHHSP- DES138- Interface Catalogue		
15	DI-157 has an incorrect reference to EZ name in the description (Should say DIP ID). The note at the bottom refers to EZ name	MHHSP- DES138- Interface Catalogue	MHHS Design	
16	DI-108 incorrectly removed, needs to be added back in (DIP ID)	MHHSP- DES138- Interface Catalogue- IF-033	MHHS Design	
17	DI-109 needs to be removed (DIP EZ name)	MHHSP- DES138- Interface Catalogue- IF-033	MHHS Design	
18	DI-846 needs to be removed (DIP EZ name)	MHHSP- DES138- Interface Catalogue- IF-021	MHHS Design	
19	DI-157 has an incorrect reference to EZ name in the description (Should say DIP ID)	MHHSP- DES138- Interface Catalogue- IF-013	MHHS Design	
20	DI-158 needs to be removed (DIP EZ name)	MHHSP- DES138- Interface Catalogue- IF-013	MHHS Design	

Design Artefacts v5.0 Release Note (2 of 2)

Ref	Description	Artefacts	Source	Assurance Comment
21	IF-041 updated to remove UMSO and UMSDS from the to/from	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-041	Power Data Associates	WOA-0064
22	IF-027 updated to remove UMSO and UMSDS from the to/from	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-027	Power Data Associates	WOA-0066
23	BP003 (Steps 282/283) added to show UMSO passing D0388 to UMSDS	MHHSP-BP003- Change of Service - Data Service MHHSP-BPD003- Change of Service- Data Service	Power Data Associates	WOA-0052
24	Requirement (MHHS-BR-MS-030.1) added to Metering Service BRS to cover UMSO issuing the D0388 following a confirmed Data Service appointment	MHHSP-BRS002- Metering Services Requirements	Power Data Associates	WOA-0052
25	Update IF-045 to show Metering Service and Data Service as recipients to align with BP011C	MHHSP- DES138- Interface Catalogue MHHSP- DES138- Interface Catalogue- IF-045	CGI	
26	Removed reference to sequencing from MHHS-BR-RS-078 as confirmed not required for R0044 design	MHHSP-BRS003- Registration Service Requirements	SCS	WOA-0083
27	Removed reference to Linked MPANs being subject to existing CSS Switching Rules	MHHSP-BP001- Change of Supplier	British Gas	D-033
28	Requirement (MHHS-BR-MS-010) updated to clarify that only Incumbent Metering Service can apply the flag	MHHSP-BRS002- Metering Services Requirements	RECCo	D-053
29	Requirement (MHHS-BR-DS-031) updated to clarify that only Incumbent Data Service can apply the flag	MHHSP-BRS001- Data Services Requirements	RECCo	D-053
30	Requirement (MHHS-BR-SU-021.1) added to clarify that where different Data Service Providers are required to meet Complex site arrangements then the same Company must provide both the ADS and SDS service for all the MPANS	MHHSP-BRS004- Supplier Requirements Overview	Elexon	D-008
31	IF-045 name in IF_List updated to Registration Service Reminder Notification to align with Interface Name in 02_IF-045	MHHSP- DES138- Interface Catalogue	CGI	
32	Additional Information (DI-120) data item updated to String-2000 in the Data Catalogue to align with all references to this data item in the individual interfaces	MHHSP- DES138- Interface Catalogue- Data Catalogue	St Clements Services	
33	Updated BP010B Energy Direction updates to show Registration Service being updated by the LDSO using DB002	MHHSP-BP010- Change of Registration Data MHHSP-BPD010- Change of Registration Data	St Clements Services	
34	Supplier MPID added to IF-001	MHHSP- DES138- Interface Catalogue- IF-001	Elexon	D-034B
35	Method 0 removed from section 9 of UMSDS Method Statement	MHHSP-METH004- UMSDS EM Functions	Power Data Associates	

Full list of Design Artefacts included in M5 Baseline (1 of 3)

Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Business Process Diagram	MHHSP-BP001	Change of Supplier	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP002	Change of Service - Metering Service	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP003	Change of Service - Data Service	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP003A	CSS and DCC Update	v4.6		v5.0
Business Process Diagram	MHHSP-BP003B	Change of Existing Service Appointment Details	v4.6		v5.0
Business Process Diagram	MHHSP-BP003C	Transfer of Reads - Change of Data Service	v4.6		v5.0
Business Process Diagram	MHHSP-BP004	Data Collection	v4.6		v5.0
Business Process Diagram	MHHSP-BP005	Data Processing	v4.6		v5.0
Business Process Diagram	MHHSP-BP007	Disconnection	v4.6		v5.0
Business Process Diagram	MHHSP-BP008	Change of Energisation Status	v4.6		v5.0
Business Process Diagram	MHHSP-BP009	Change of Meter	v4.6		v5.0
Business Process Diagram	MHHSP-BP010	Change of Registration Data	v4.6	Yes	v5.0
Business Process Diagram	MHHSP-BP011	Change of Market Segment and/or Connection Type	v4.6		v5.0
Business Process Diagram	MHHSP-BP013	Demand Disconnection Events	v4.6		v5.0
Business Process Diagram	MHHSP-BP016	Consumption Amendment	v4.6		v5.0
Business Process Diagram	MHHSP-BP018	Load Shaping Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP019	Market-wide Data Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP020	Volume Allocation Service (ECS)	v4.6		v5.0
Business Process Diagram	MHHSP-BP021	Industry Standing Data (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD001	Change of Supplier	v4.6		v5.0
Business Process Description	MHHSP-BPD002	Change of Service- Metering Service	v4.6		v5.0
Business Process Description	MHHSP-BPD003	Change of Service- Data Service	v4.6	Yes	v5.0
Business Process Description	MHHSP-BPD003A	CSS and DCC updates	v4.6		v5.0
Business Process Description	MHHSP-BPD003B	Change of Existing Service Appointment Details	v4.6		v5.0
Business Process Description	MHHSP-BPD003C	Transfer of read	v4.6		v5.0
Business Process Description	MHHSP-BPD004	Data Collection	v4.6		v5.0
Business Process Description	MHHSP-BPD005	Data Processing	v4.6		v5.0
Business Process Description	MHHSP-BPD007	Disconnection	v4.6		v5.0
Business Process Description	MHHSP-BPD008	Change of Energisation Status	v4.6		v5.0
Business Process Description	MHHSP-BPD009	Change of Meter	v4.6		v5.0
Business Process Description	MHHSP-BPD010	Change of Registration Data	v4.6	Yes	v5.0
Business Process Description	MHHSP-BPD011	Change of Market Segment and/or Connection Type	v4.6		v5.0
Business Process Description	MHHSP-BPD013	Demand Disconnection Events	v4.6		v5.0
Business Process Description	MHHSP-BPD016	Consumption Amendment	v4.6		v5.0
Business Process Description	MHHSP-BPD018	Load Shaping Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD019	Market-wide Data Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD020	Volume Allocation Service (ECS)	v4.6		v5.0
Business Process Description	MHHSP-BPD021	Industry Standing Data (ECS)	v4.6		v5.0

Full list of Design Artefacts included in M5 Baseline (2 of 3)

Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Business Requirements	MHHSP-BRS013	Demand Disconnection Events Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS001	Data Services Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS002	Metering Services Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS003	Registration Service Requirements	v4.6	Yes	v5.0
Business Requirements	MHHSP-BRS004	Supplier Requirements Overview	v4.6	Yes	v5.0
Business Requirements	MHHSP-BRS005	LDSO Requirements Overview	v4.6		v5.0
Business Requirements	MHHSP-BRS006	EES & SDEP Requirements	v4.5	Yes	v5.0
Business Requirements	MHHSP-BRS007	Load Shaping Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS008	Market-wide Data Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS009	Volume Allocation Service Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS010	Industry Standing Data Requirements (ECS)	v4.6		v5.0
Business Requirements	MHHSP-BRS012	Annual Consumption Requirements	v4.6		v5.0
Business Requirements	MHHSP-BRS014	ECS Registration Data Archive Requirements	v4.0		v5.0
Method Statement	MHHSP-METH001	SDS Validation & Estimation	v4.6		v5.0
Method Statement	MHHSP-METH002	ADS - Validation & Estimation	v4.0		v5.0
Method Statement	MHHSP-METH004	UMSDS- EM Functions	v4.6	Yes	v5.0
Method Statement	MHHSP-METH005	LSS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH006	VAS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH007	MDS Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH008	DDE Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH009	UMSO Method Statement	v4.6		v5.0
Method Statement	MHHSP-METH010	Annual Consumption	v4.6		v5.0

Full list of Design Artefacts included in M5 Baseline (3 of 3)

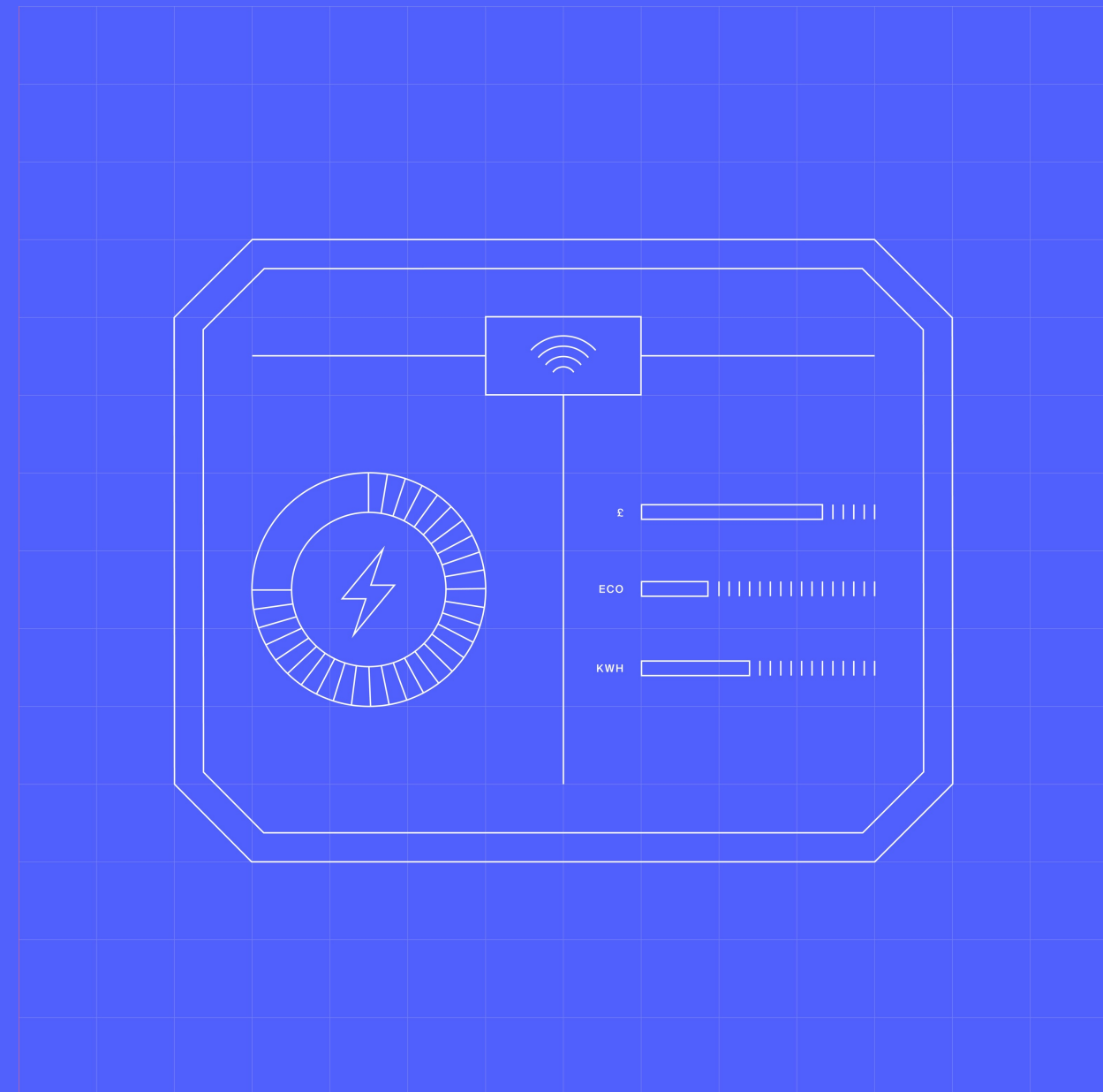
Document Type	Reference	Name / Description	Current Version No.	Changes included in Release Note	Baseline Version No.
Reporting Catalogue	MHHSP-ERI011A	ECS Reports- Internal	v4.6		v5.0
Reporting Catalogue	MHHSP-ERI011B	ECS Reports- External	v4.6		v5.0
Data Item Definitions	MHHSP-EDI021	ISD Entities	v4.6	Yes	v5.0
Entity Map	MHHSP-EM021	ISD Entity Map	v4.6		v5.0
Interface Catalogue	MHHSP- DES138	Interface Catalogue	v4.6	Yes	v5.0
Operational Choreography	MHHSP-OPC001	Operational Choreography	v4.5		v5.0
Technical Artefact	MHHS-E2E003	Physical Interface Specifications	v0.4	Yes	v0.5
Technical Artefact	MHHS-E2E002	End to End Non Functional Requirements	v2.2	Yes	v2.3
Technical Artefact	MHHS-E2E001	End to End Solution Architecture	v2.3	Yes	v2.4
Logical Data Model	MHHSP-DES052	Logical Data Model	v4.6		v5.0

DAG ToR Review

DISCUSSION: Discuss views from DAG on prospective updates to DAG ToR

Chair

5 mins



Programme Change Requests

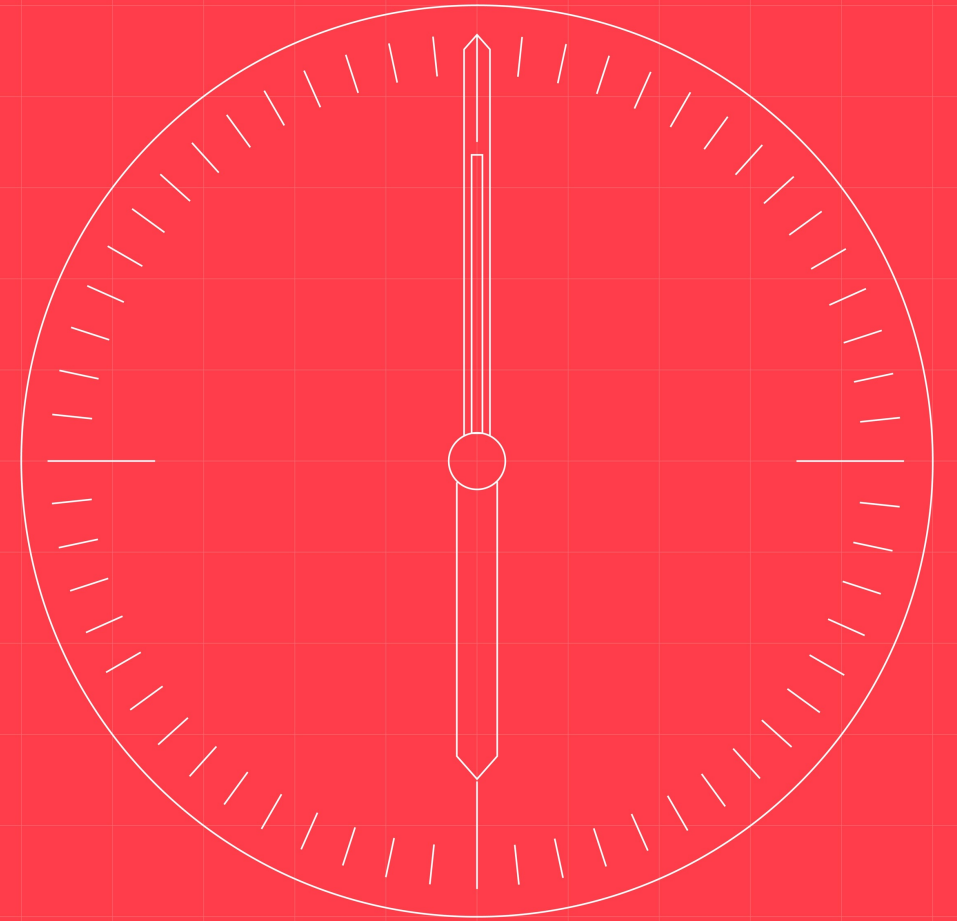
INFORMATION: Updates on Change Request relating to E7/E10 settlement differential and registration service operating hours

DECISION: CR017: Decision on whether to raise the Change Request to Impact Assessment

Programme (Ian Smith)

Electricity North West (Catherine Duggan)

15 mins



Update on CR017 - a Change Request raised by Electricity North West

Objective: DAG to decide on whether to raise the Change Request to Impact Assessment

LDSO DIP messages processing times

Issue Statement:

- The **MHSP OPC001 Operational Choreography v1.0** dated 25 July 2022 stated that the Registration Service/LDSO will be required to process various DIP mediated messages within 60 minutes of receipt
- There is a lack of clarity in the document as to the operating hours to which this requirement applies
- If the intent is for LDSOs to extend their current ERDS operating hours to meet the requirement in the Operational Choreography, then this is a significant service and system change from the current service LDSOs provides and which only went live in July 2022 (as an output from the Ofgem Switching Programme).

Description of change:

- Change Raiser's **preferred option** is the MHHS PMO amend the Operational Choreography to clarify and align with the REC so that LDSOs will be required to process various DIP mediated messages within 60 minutes of receipt within current ERDS operating hours
- The **alternative option** is for the MHHS PMO to conduct a full cost benefit impact assessment into options for exploring extending current ERDS operating hours with evidence to support the business requirements and how it would benefit customers and other parties.

Justification for the change:

- **Preferred option:** Clarification on the Operational Choreography, in line with existing REC obligations and confirmation that the intention is for LDSOs to be required to process various DIP mediated messages within 60 minutes of receipt within ERDS operating hours
- **Alternative option:** If the intent is for LDOS to be required to extend their current ERDS operating hours beyond REC requirements, in accordance with the principles of the Programme change process, a full cost benefit assessment should be undertaken in respect of this requirement, versus alternative solutions.

MHHS Change Board outcomes

- Change Board validated CR017 on 06-Feb-23
- Change Board recommended both options should be included in an Impact Assessment
- Change Board agreed CR017 should be reviewed by DAG on 08-Feb-23 with a decision on raising for full Impact Assessment.

MHHS PROGRAMME
Industry-led, Elexon facilitated

Change Request Form

Change Request details

Change Request details			
Change Request Title	LDSO Registration Service Dip messages processing times		
Change Request Number	CR017		
Originating Advisory / Working Group	DAG		
Risk/issue reference	N/A		
	Catherine Duggan obo of DNOS and IDNOs (LDSOs)	Date raised:	31 January 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 PROGRAMME
Industry-led, Elexon facilitated

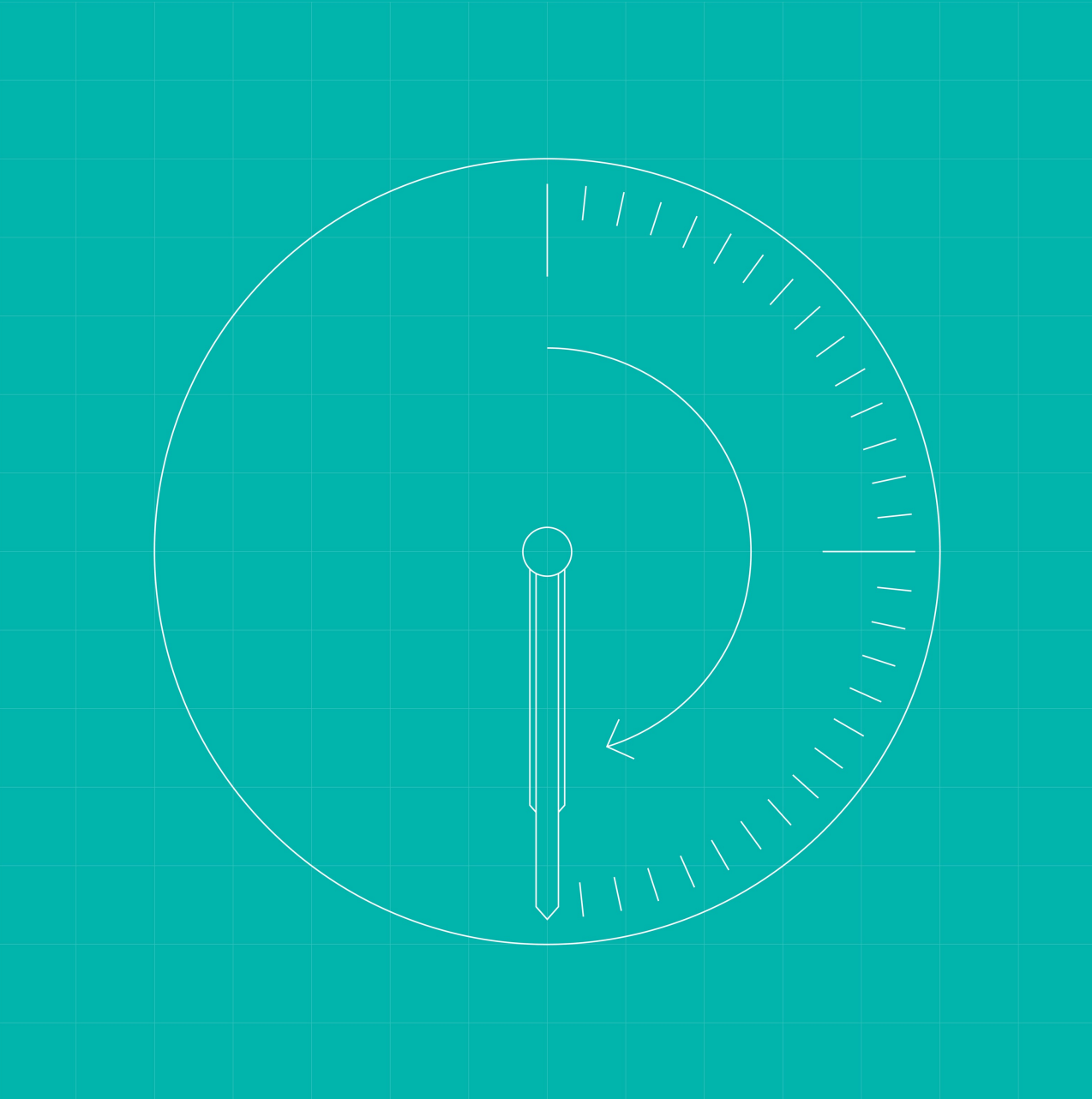
MHHS-DEL925 CR017

Design Authority Update

INFORMATION: Updates from the inaugural Design Authority meeting

Programme (Paul Pettitt & Fraser Mathieson)

5 mins

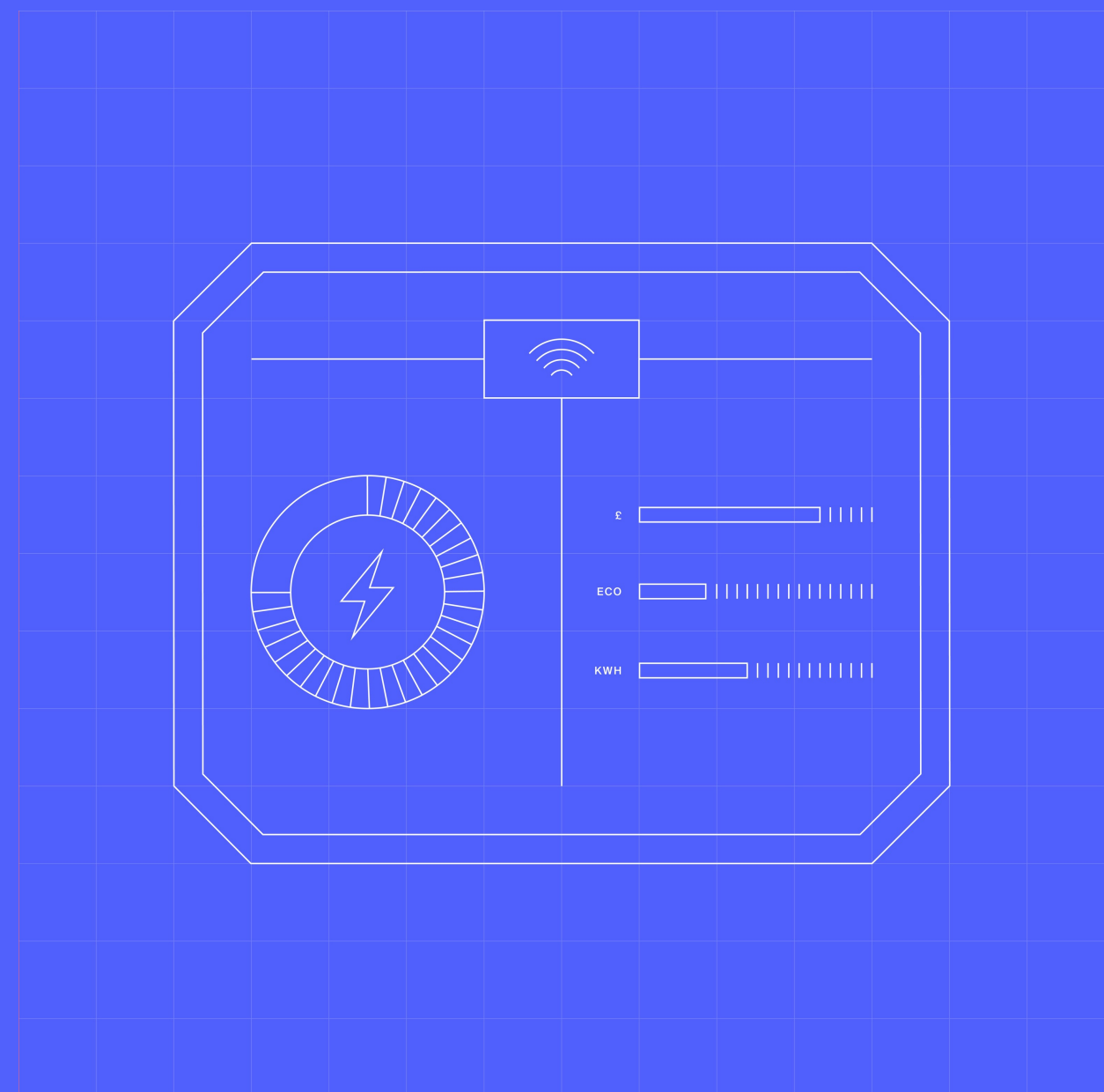


CCIAG Update

DISCUSSION: Updates from the CCIAG and discussion on future meetings

Programme (Fraser Mathieson)

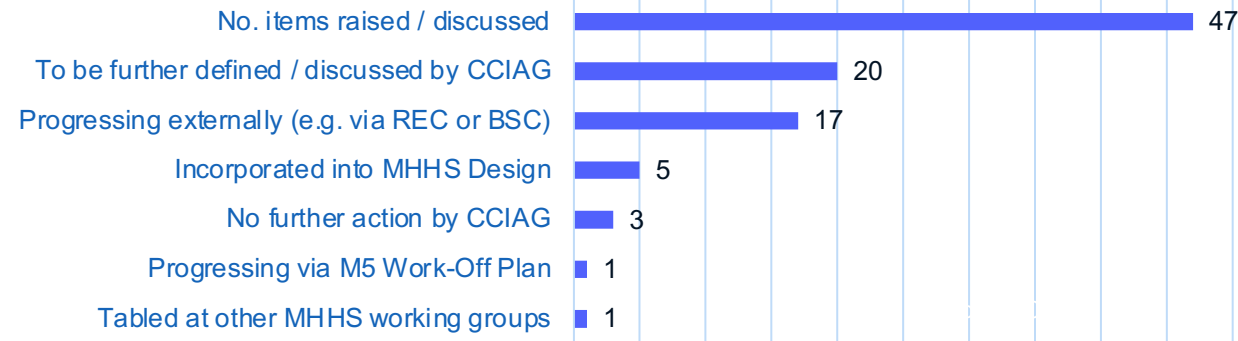
10 mins



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

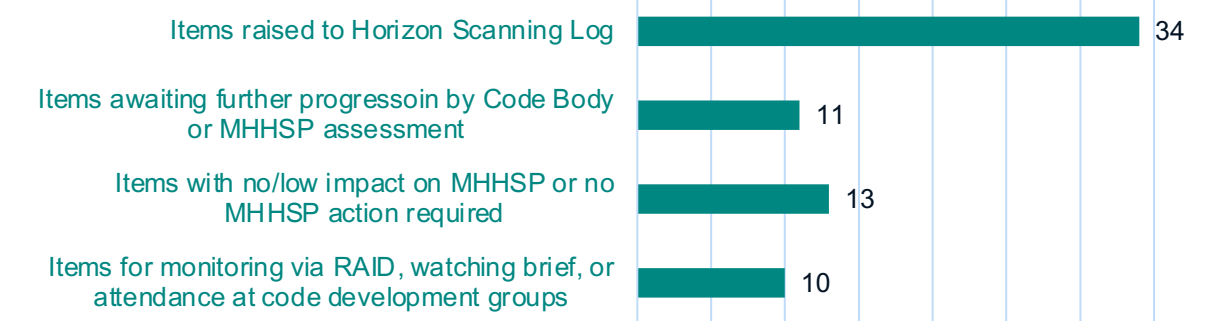
At the December CCIAG the group agreed to the addition of a new field within the [Consequential Change Log](#) to denote whether a given item is likely to require inclusion within CCAG-led code drafting following the approval of Programme [Change Request 12](#). For a consequential change item to be agreed for inclusion in consequential change code drafting, a Code Body must warrant the change is required to deliver MHHS and would otherwise require a standalone change to the relevant code, and it is therefore beneficial to include it within the CCAG's code drafting activities. Where solution development is required, this will be undertaken within respective code change development processes and the agreed solution then incorporated into consequential change code drafting. The Code Drafting Working Group will consult on all code drafting, and Code Bodies are expected to consult industry on any solution development as required. A deadline of 31 January 2023 has been set for the submission of items to be considered for inclusion in CCAG-led code drafting activities.

Magnitude of items

No matters have yet been raised which require significant change to MHHS Design Artefacts. Most items agreed for inclusion within the MHHS design or consequential change code drafting relate to REC supplier-related processes. The volume of new items for discussion from Code Bodies and Central Parties has increased ahead of the deadline for consideration as part of CCAG-led code drafting.

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:

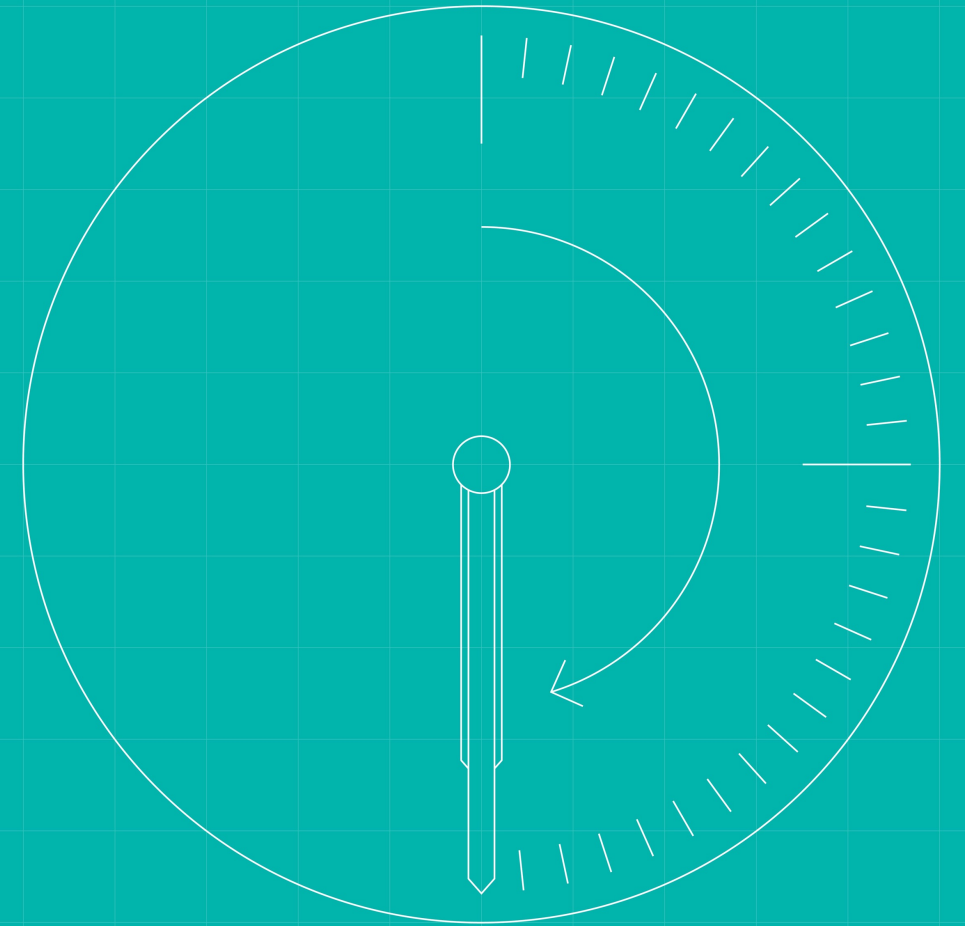
- **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
- **BSC CP1558** (R0200, D0068) • **REC R0032** (D0068, D0069) • **REC R0044** (D0055)

Programme Updates

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

Programme (Fraser Mathieson)

5 mins



Governance group updates

Programme Steering Group (PSG)

Update from PSG 11 January 2023

- Status updates**– The Programme updated on progress of the Data Integration Platform (DIP) procurement, the M5 Work-Off Plan, the Round 3 replan consultation, and the start of Code Drafting.
- RA2 non-responders**– The Programme shared the organisations that did not respond to the recent Readiness Assessment 2. The PSG discussed ways to improve engagement.
- Governance Group reminders** – The Programme provided a reminder of the governance groups (e.g., purpose, forward plan).
- Change Control** – The PSG discussed the requirements for a Change Request when the Programme was seen to deviate from the Target Operating Model (TOM) or Architecture Working Group (AWG) recommendations.

PSG papers available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 18 January 2023

- Qualification update** – The Programme updated on qualification activity with Code Bodies and at the Qualification and E2E Sandbox Working Group (QWG).
- Migration and data deliverables** – The Programme shared the forward plan for Data Assessment Report and Migration, Cutover and Data Strategy deliverables. The Programme provided an overview of the content of the Data Assessment Report.
- SITWG update** – The Programme updated on activity taking place on Systems Integration Testing (SIT) at the SITWG.
- NFTW mobilisation** – The Programme explained intentions to mobilise a Non-Functional Testing Working Group (NFTWG) in February.

TMAG papers available [here](#)

Design Advisory Group (DAG)

Updates from DAG 11 January 2023

- Actions Review:** An in depth review of outstanding actions was undertaken, with updates provided on the approach to performance assurance requirements, implementation of the Enduring Design Hub, and classification of the Meter Point Registration Service (MPRS) as a central system.
- M5 Work-Off Plan:** Updates were provided on the M5 Work-Off Plan and the Programme Change Requests needed to facilitate impact assessment of options for work-off items D-012 (E7/E10 settlement differential) and D-013 (registration service operating hours).
- Post M5 Design Change Procedure:** The DAG approved the draft procedure and draft Design Authority (DA) Terms of Reference, subject to amendments. The DA will be responsible for reviewing design issues and agreeing minor changes to design artefacts. The DA is a closed group with industry representation appointed by DAG constituency representatives.

DAG papers available [here](#)

Cross Code Advisory Group (CCAG)

Update from CCAG 25 January 2023

- Qualification Code Drafting** – A dependency on the Qualification Assessment Document (QAD) exists. The Programme are working with the BSC to develop this, and items will be tabled at the next Qualification and E2E Sandbox Working Group (QWG) on 14 February 2023.
- Performance Assurance Requirements** – Currently under development by the Elexon-led Performance Assurance Working Group (PAWG). Timelines for delivery of PA requirements are under close review.
- Horizon Scanning Log** – Latest updates were provided by Code Bodies. Several related cross-code changes are either due to be delivered to Ofgem for, or awaiting, decision (see BSC P432, DCUSA DCP414, REC R0015). BSC Issue 101 (DIP FGO) is ongoing and interested parties encourage to attend discussion group.
- Code Drafting** – The governance of consequential change code drafting was discussed and the Programme advised the first code drafting topic areas have commence (Data and Metering Services).

CCAG papers available [here](#)

Wider Programme updates

Round 3 Replan Consultation

Round 3 of **consultation on the updated draft of the MHHS Programme plan** opened on 14 December 2022. **Responses are due by COP 31 January 2023.** Participants interested in System Integration Testing (SIT) were requested to respond by 16 January 2023.

In this round, it is important that responses include Delivery Plans so the Programme can pass Milestone 3 (M3) unconditionally.

The Programme held **Replan Playback sessions at the start of January.** These sessions explained the Artefacts and walked through the plan. Slides and recordings are available on the [Events page of the MHHS website](#).

Design Artefact Assurance Review:

Assurance review on change-marked versions of the updated Design Artefacts on the M5 Design Work-Off Plan closed on 13 January. The Programme has now reviewed all feedback and provided responses to the comments along with the revised Design Artefacts.

An **Assurance Meeting is scheduled for Friday 27 January 2023** to review assurance comments and to confirm the recommendation to the Design Advisory Group (DAG) for approval. **A full status report for the Work-Off Plan will be included in DAG papers** ahead of an approval decision on 01 February 2023.

Design Change Management update:

The Design Advisory Group has **approved the Design Change Management process.** This included **mobilisation of the Design Authority (DA).** The Design Authority will be made up of constituency representative, with a call for representatives shared via the DAG.

A **webinar on the Design Change Management process took place** on Monday 16 January 2023. Slides and recordings are available on the [Events page of the MHHS website](#).

Other updates:

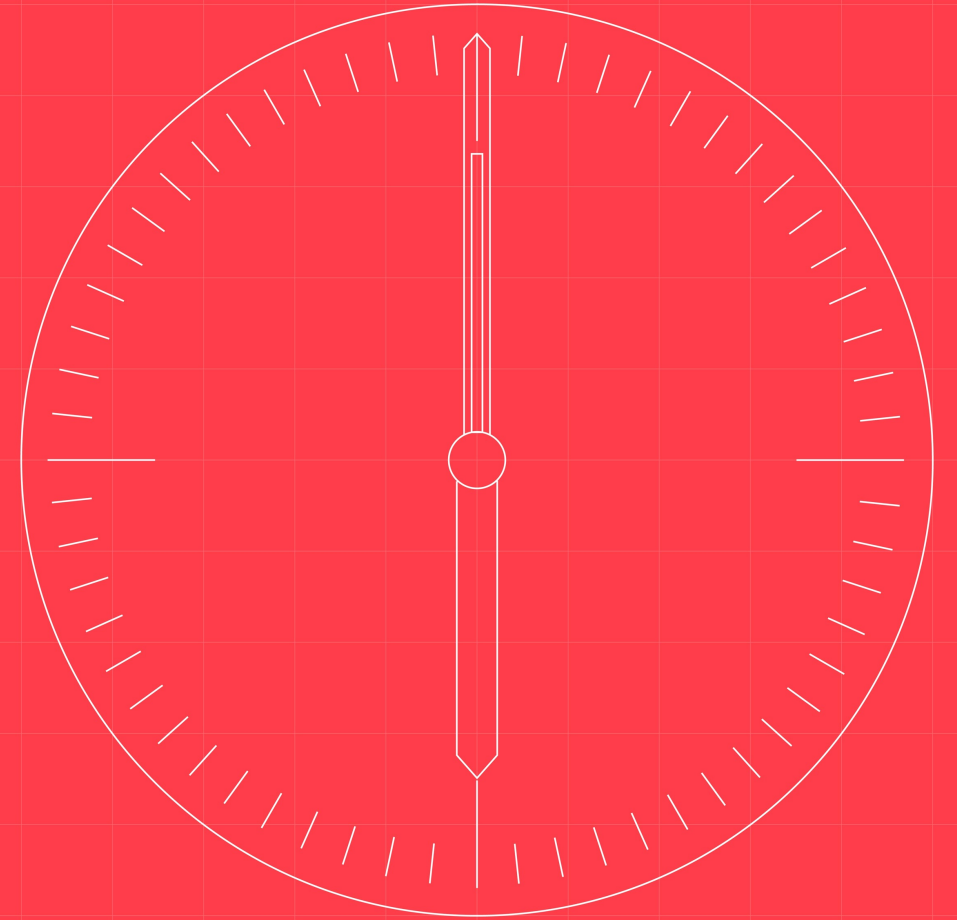
- Non-Functional Testing Working Group (NFTWG) being mobilised**
- The Programme is producing **MHHS testing software** to aid testing in Pre-Integration Testing and Systems Integration Testing. Release 1 will include 15 priority Interfaces Load Shape, Consumption and some Registration interfaces within the Data Integration Platform (DIP) Simulator. The **release will align with the Work-Off Plan and will be communicated via the Clock**
- Ofgem Sponsor Rachel Clark is leaving Ofgem** at the end of January
- The Programme held a **webinar on Delivering Milestone M3 and demonstrating participant readiness for Design, Build and Test (DBT).** Slides and recordings are available on the [Events page of the MHHS website](#).

Minutes and Actions

DECISION: Approval of minutes and review of actions

Secretariat

30 mins



Minutes and Actions Review (1 of 2)

- Approve Minutes of DAG held 11 January 2023
- Review outstanding actions:

Ref	Action	Owner	Due	Latest update
DAG20-01	Programme to issue update on EES/MPRS as central systems to DAG	Programme (PMO)	18/01/2023	Open
DAG20-02	Programme to provide views on DNOs as central system providers	Programme (Design Team)	08/02/2023	Open
DAG20-03	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	Open
DAG20-04	Programme to provide update on status of DTN interface specification and logical data model	Programme (Design Team)	ASAP	Open
DAG20-05	Programme to update DA ToR to include a minimum number of reps for quoracy	Programme (Design Assurance Team)	19/01/2023	Open
DAG20-06	Programme to clarify whether DA as closed group can operate as a L4 MHHS governance meeting	Programme (PMO)	18/01/2023	Open
DAG20-07	Programme to provide guidance and examples on how Programme change processes will operate	Programme (Design Assurance Team)	19/01/2023	Open
DAG20-08	Programme issue reminder to DAG members for appointments	Programme (PMO)	18/01/2023	Open

Minutes and Actions Review (2 of 2)

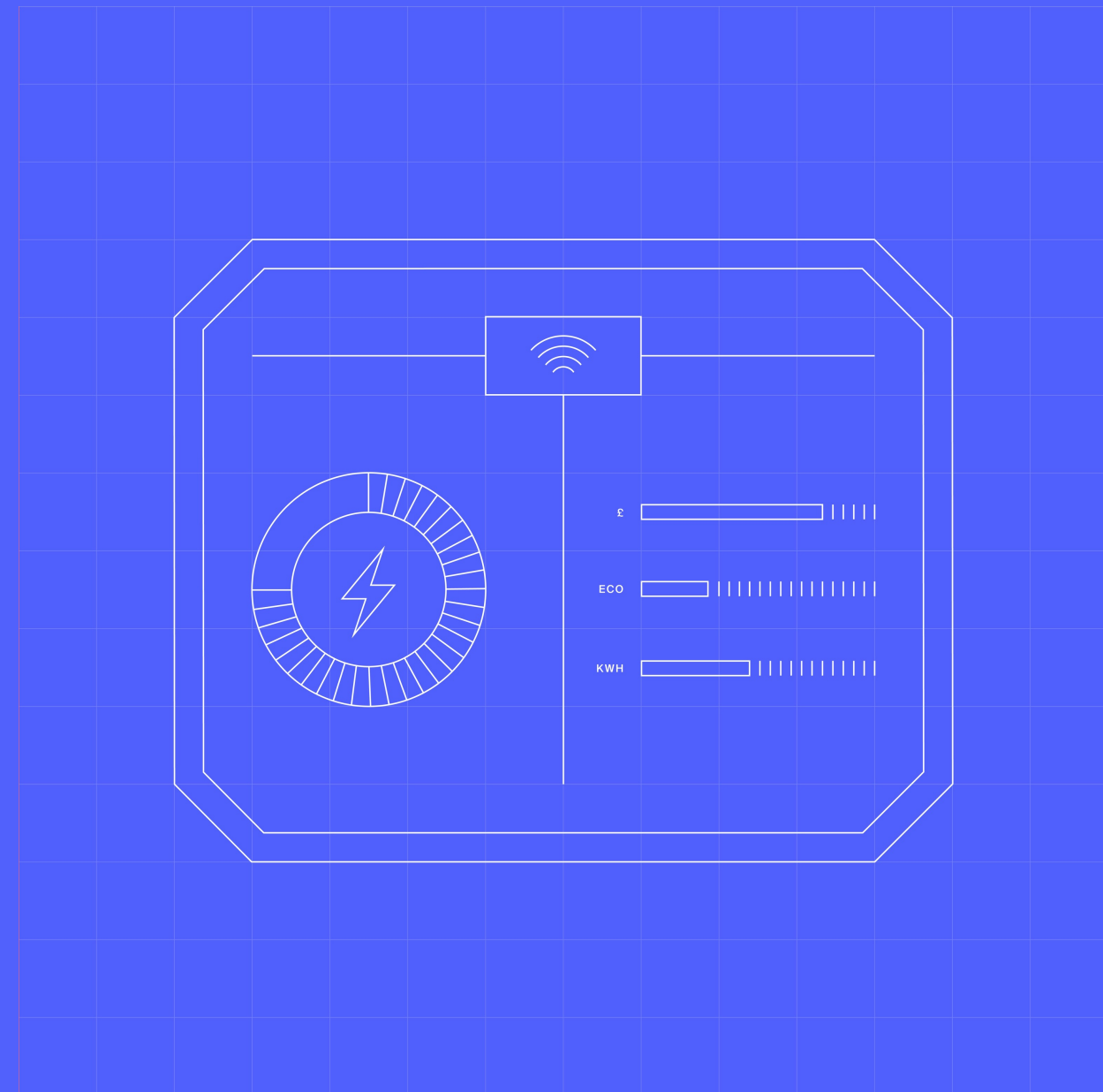
Ref	Action	Owner	Due	Latest update
DAG20-09	Programme to confirm how transition/migration artefacts will be baselined	Programme (Design Team)	08/02/2023	Open
DAG20-10	Programme to issue update on remaining work-off items to DAG	Programme (Design Team)	w/c 23/01/2023	Open
DAG20-11	Programme to consider what items should be brought to 08 February 2023 DAG meeting to confirm whether the meeting should be go ahead	Programme (Design Team)	01/02/2023	Open
DAG19-01	Programme to issue update on migration / transition activities and plan	Programme (Adrian Page)	11/01/2023	ONGOING: Update to be provided in meeting.
DAG19-02	Ofgem to provide information on assumed half-hourly data opt-out rates	Ofgem (Jenny Boothe)	11/01/2023	ONGOING: Update to be provided in meeting.
DAG19-03	Large Supplier Representative to provide availability for discussion with Programme on E7/E10 options, with view to reducing the number of options to support formal Impact Assessment via a Programme Change Request	Large Supplier Represent (Andrew Grace)	ASAP	ONGOING: Update to be provided in meeting.
DAG19-04	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	ONGOING: Dialogue underway with prospective proposer of Change Request
DAG19-05	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	ONGOING: Dialogue underway with prospective proposer of Change Request
DAG17-02	Chair to review the DAG Terms of Reference to ensure there is clarity over the role of DAG post-M5.	Chair	14/12/2022	Open
DAG17-09	Programme to update M5 Design Baseline Report to include: Add new section to report on discussion and outcomes from DAG review/decision	Programme (Warren Fulton)	09/11/2022	Open

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 DAG meeting: **08 February 2023 10am**
- Next CCIAG meeting: **23 February 2023 10am**

DAG agenda roadmap:

Meeting dates	08-Feb	08-Mar	05-Apr
Relevant milestones or activities	Design baseline management	Design baseline management	Design baseline management
Agenda items	<ul style="list-style-type: none"> • Design changes for approval • DAG ToR review • Migration design updates 	<ul style="list-style-type: none"> • Design changes for approval • Migration design updates 	<ul style="list-style-type: none"> • Design changes for approval
Standing items	<ul style="list-style-type: none"> • Minutes and actions • Programme updates • CCIAG updates • Summary and next steps 	<ul style="list-style-type: none"> • Minutes and actions • Programme updates • CCIAG updates • Summary and next steps 	<ul style="list-style-type: none"> • Minutes and actions • Programme updates • CCIAG updates • 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)