Programme Steering Group #16
11 January 2023

Version 1.4

MHHS-DEL848

Agenda

#	Item	Objective	Type	Lead	Time	Page
1	**Welcome**			Chair	10:00-10:05 *5 mins*	
2	**Minutes and actions review**	Approve minutes. Update on actions, closing where appropriate	Decision	Chair and Secretariat	10:05-10:10 *5 mins*	3
3	**Sponsor update**	Hear key messages from the Programme Sponsor	Information	Ofgem Sponsor (Rachel Clark)	10:10-10:15 *5 mins*	6
4	**DIP update**	Verbal update on progress of the DIP procurement	Information	Programme	10:15-10:25 *10 mins*	8
5	**Status updates**	Update on progress of: • The M5 Work-Off Plan • Round 3 of consultation on the programme plan • The start of code drafting	Information	Programme (Warren Fulton, Keith Clark, Andrew Margan)	10:25-10:40 *15 mins*	9
6	**RA2 non-responders**	Share the non-responders to RA2. Ask PSG reps to help improve engagement from non-responders in their constituency, particularly for the Round 3 replan consultation	Discussion	Programme (Chris Welby)	10:40-10:50 *10 mins*	14
7	**Governance groups reminder**	Remind PSG members of the MHHS governance groups and how representatives and their constituents can engage with them	Information	Programme PMO	10:50-10:55 *5 mins*	16
8	**Delivery dashboards (reduced set)**	Take questions from PSG members on delivery dashboard content	Information	Chair	10:55-11:00 *5 mins*	18
9	**Summary and next steps**	Summarise actions and decisions. Look ahead to next meeting	Information	Chair and Secretariat	11:00-11:05 *5 mins*	31

Minutes and actions review

DECISION: Approve minutes. Update on actions, closing where appropriate

Chair and Secretariat

5 mins

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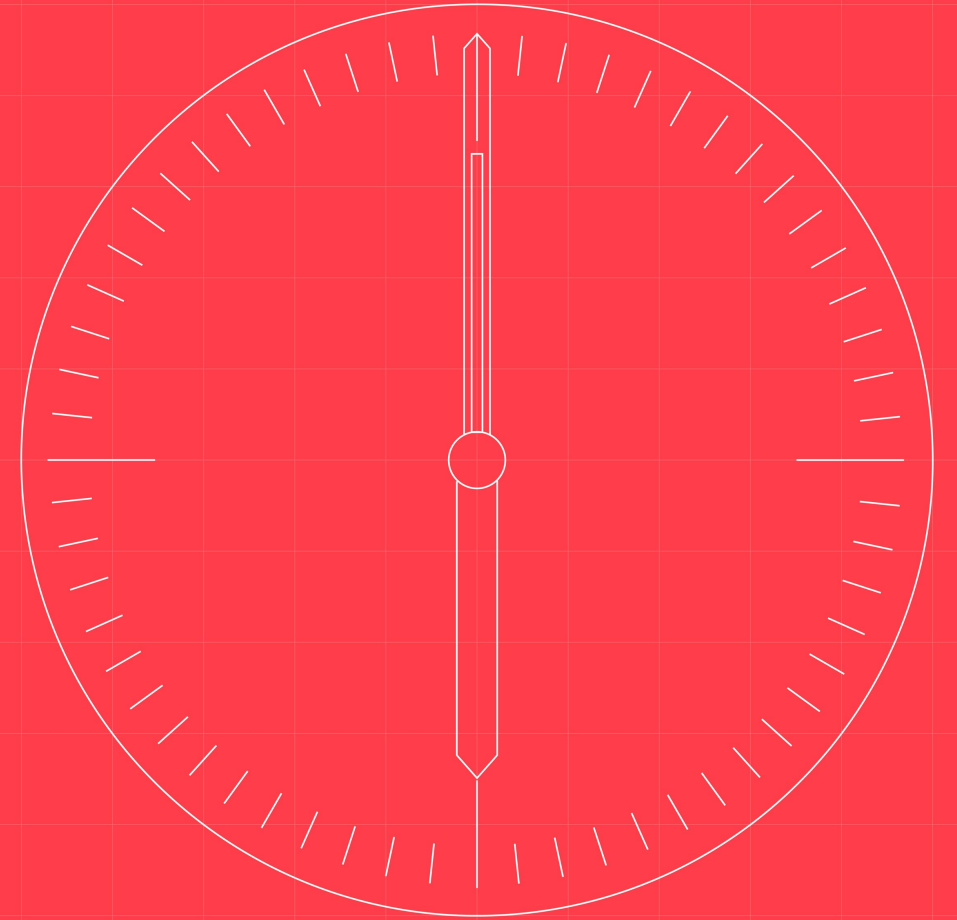
Minutes and actions review (1 of 2)

1. **Approval of minutes** from PSG 07 December 2022
2. **Open actions and actions from PSG 07 December 2022**

Ref	Date	Action	Owner	Due Date	Status	Latest Update
PSG08-05	08/06/22	Address comments received on the Benefits Realisation Plan (for example consequential impacts/dis-benefits and providing a more quantifiable measure under the MPAN success criteria)	Programme (Jason Brogden)	To be aligned to next control point	Open - ongoing	Updated version following Control Point 1 to come to February PSG
PSG13-05	05/10/22	Set up a session to discuss the requirements (e.g. ToR) for an MHHS forum to discuss the commercial impacts on settlement from the MHHS Programme (taking learnings from Nexus). Session to include MHHSP members and PSG constituency reps as required	Programme PMO	14/11/22	Open - ongoing	Outputs of CR013 Impact Assessment to come to February PSG
PSG14-10	02/11/22	Support the Programme to identify Large, Small and I&C Supplier representatives for TMAG	Relevant Supplier Representatives (Graham Wood, Gareth Evans, Vladimir Black)	07/12/22	Open - ongoing	No new nominations received. PSG reps to provide update in meeting
PSG15-01	07/12/22	Progress work on customer segments in migration at the Migration Design Subgroup (MDSG)	Programme (Jason Brogden)	01/03/23	Open - ongoing	Incorporated in Migration Design activity and expected to be brought to the MDSG in February. Suggest kept open until there are conclusions.
PSG15-02	07/12/22	Present the Migration Option Analysis to the Migration Working Group (MWG)	Programme (Jason Brogden)	11/01/23	Recommend closed	Presented to the MWG on 08/12/22
PSG15-03	07/12/22	Action decision PSG-DEC31: issue the updated Interim Plan and begin Round 3 of consultation on the Programme replan	Programme PMO	14/12/22	Recommend closed	Interim Plan issued on 07/12/22. Round 3 of consultation to start on 14/12/22

Document Classification: Public

Minutes and actions review (2 of 2)

Ref	Date	Action	Owner	Due Date	Status	Latest Update
PSG15-04	07/12/22	Increase frequency of meetings with St Clements to support Programme replanning activity and readiness for M9	Programme	11/01/23	Recommend closed	Meeting frequency has increased
PSG15-05	07/12/22	Action next steps from CR012: incorporate CR012 within code draft plan and update CCAG Terms of Reference	Programme PMO	11/01/23	Recommend closed	Updated governance framework available on MHHS website. CR012 has been reflected in the Round 3 replan. Code drafting plan has been presented to CCAG
PSG15-06	07/12/22	Raise CR013 to Impact Assessment	Programme PMO	09/12/22	Closed	CR013 raised to Impact Assessment on 07/12/22
PSG15-07	07/12/22	Extend PSG meeting calendar invites to 2.5 hours	Programme PMO	11/01/23	Closed	Invites extended by 30 minutes. Agendas will continue to be 2 hours, with the additional 30 mins as a cushion for any over-run
PSG15-08	07/12/22	Share comms in the Clock on Programme activity and schedule for the Christmas period	Programme PMO	14/12/22	Closed	Comms shared in the Clock on 14/12/22

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Sponsor update

INFORMATION: Hear key messages from the Programme Sponsor

Ofgem Sponsor

5 mins

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Sponsor's message

➢ Look forward to the design work off plan being completed at the end of this month, which will be important to support baselining the replan in April.

➢ Programme Parties (PPs) should now have commenced their DBT activities. Any that haven't, or who are concerned about their position, should be engaging with the Programme party Coordinator to work through mitigations. The programme will not be able to wait for individual parties, so it is up to you to ensure you are making the necessary progress.

➢ To those who haven't done so already, it is essential for PPs to provide granular evidence to the Programme in response to the R3 replan consultation. This evidence is vital in order for the Programme and Ofgem to take a robust decision. Having a robust and deliverable plan in place will be critical to programme success.

➢ PPs should attend the relevant Replan Playback sessions for their respective constituencies for a more in depth look at the Programme Plan and its' associated artefacts.

➢ Strongly encourage PPs to volunteer to be part of the Minimum Viable Cohort (MVC) if they can. This provides real opportunities for those who are able to benefit from them.

➢ BEIS continue to take a close interest given the importance of MHHS for net zero. It is important to keep the essential impact of this programme in the forefront of our minds.

➢ Focus remains clearly on realising benefits from the earliest practicable date. Important that all PPs support this in any way they can.

➢ Finally, Rachel Clark will be leaving Ofgem at the end of January, so this will be her last PSG. Ofgem are currently recruiting a successor and will ensure that there is continuity of sponsorship of the programme.

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DIP update

INFORMATION: Verbal update on progress of the DIP procurement
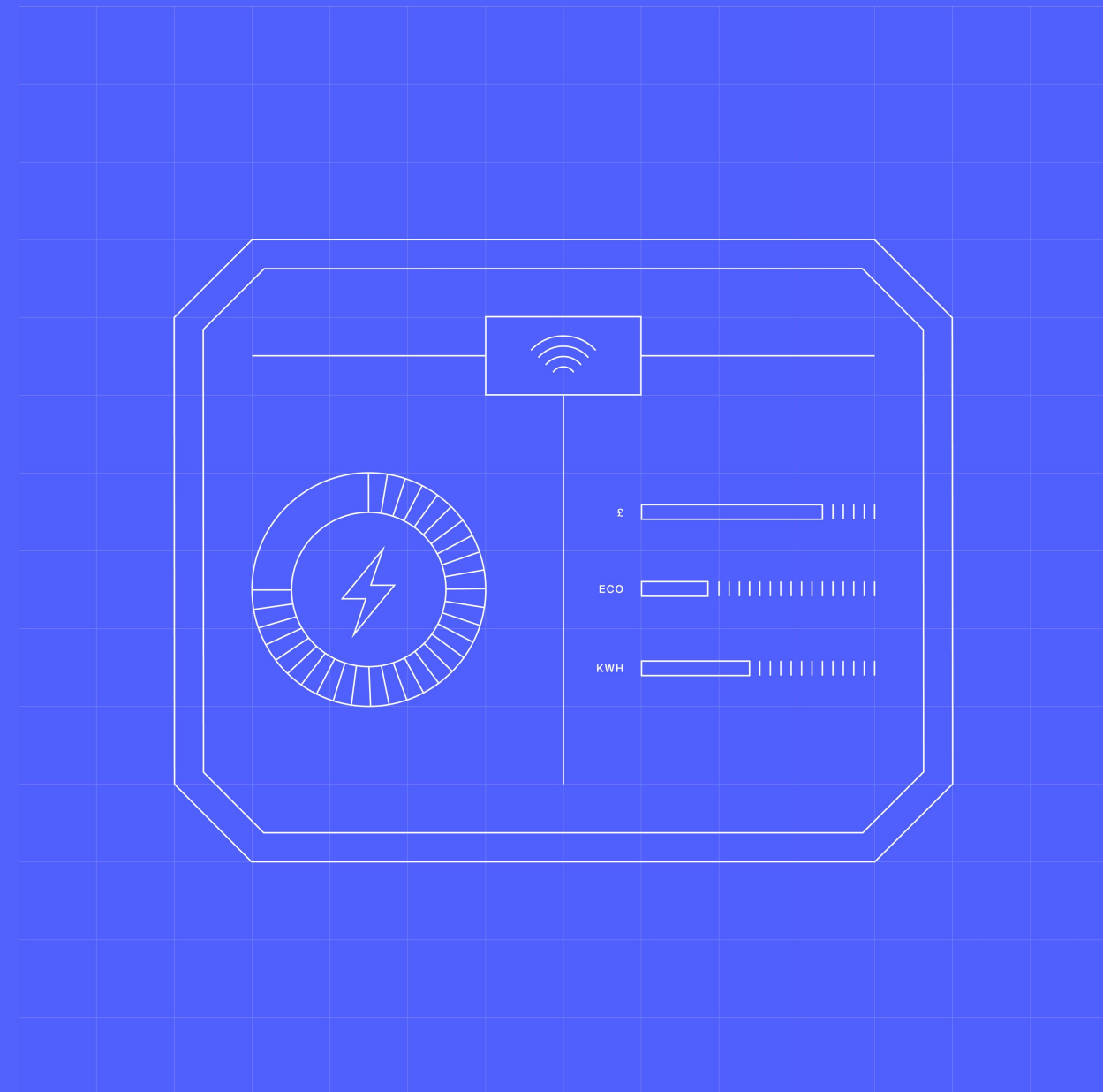
Programme

10 mins
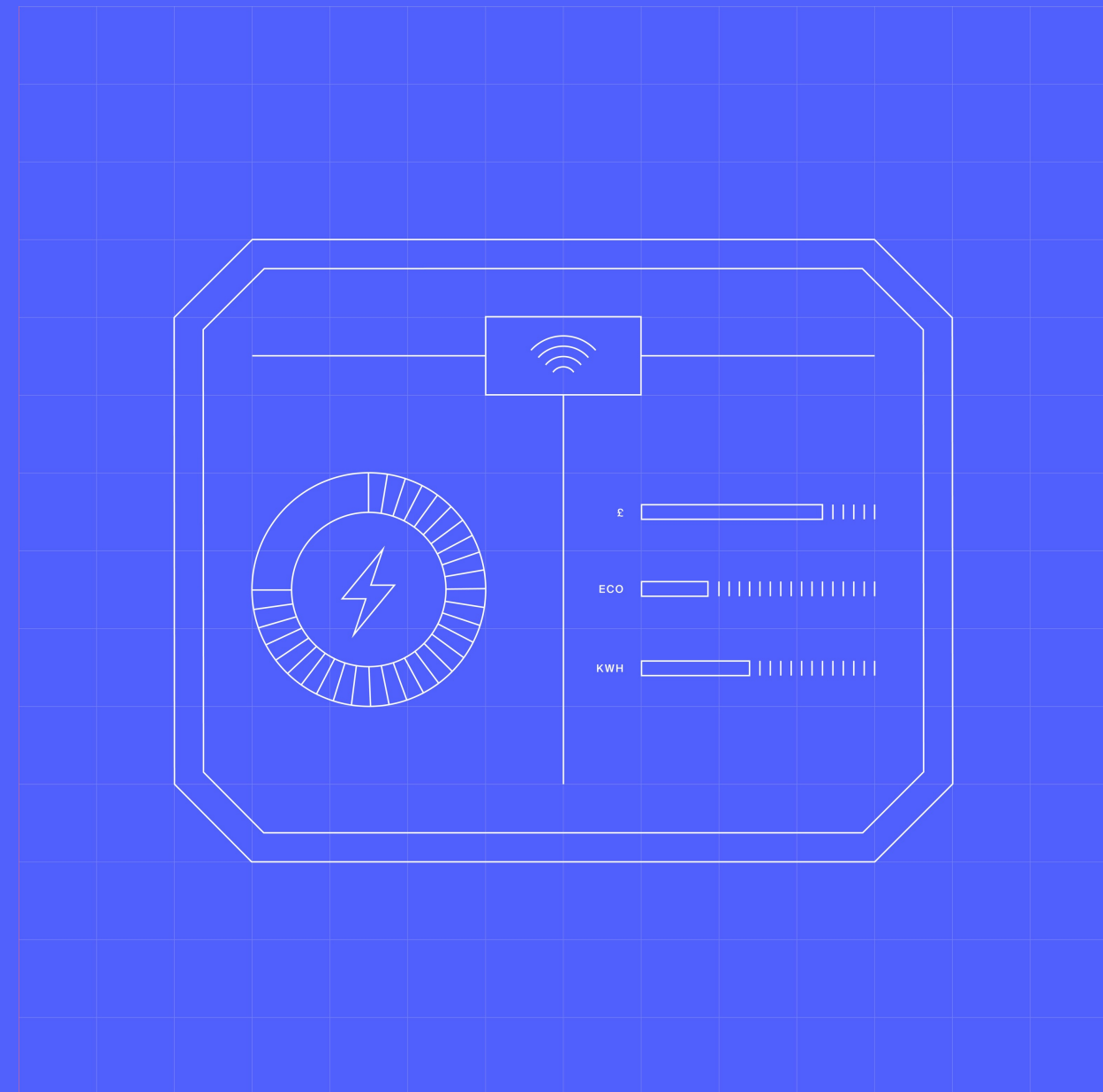
Status updates

INFORMATION: Update on progress of
- The M5 Work-Off Plan
- Round 3 of consultation on the programme plan
- The start of code drafting

Programme

15 mins

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M5 Work-Off Plan status

- All Design Baseline (M5) Work-Off items have been addressed

- The Work-Off Plan is tracking according to schedule

- The Design Newsletter was issued to industry on 16 December. This explains the following per work-off item: Status, Resolution Summary, Artefact(s) affected, Summary of Industry Engagement

- 4x Work-Off items require further discussion in January 2023. These have minimal impact on Artefacts (D034 A,B,C,D) – we estimate 2 days of work once a decision is achieved

- DAG agreed to remove the following from the Work-Off List and manage them as Change Requests. These will be raised by Programme Participants and progress outside of the Work-Off List via the Change Control process.
  - D-012   E7/E10 differential settlement
  - D-013   Registration Service Operating Hours

- All updated Artefacts (red-lined and change logged) were issued for industry assurance review on 16 and 19 December 2022 (Logical Data Model will be updated post Assurance comments)

- The plan is to receive Assurance comments from industry until 13 Jan 2023. The Assurance meeting is pencilled for 25 Jan 2023 and the DAG meeting to re-baseline the Artefacts is pencilled for 31 Jan 2023

Replan status and next steps

- Round 3 planning consultation commenced on 14-Dec-22

- Response deadlines are:
  - 16-Jan-23 for participants who are keen to participate in SIT
  - 31-Jan-23 for everyone else (these responders are not in principle precluded from later consideration for SIT participation)

- Playbacks of the Round 3 plan, and subsequent drop-in sessions are scheduled as follows:

Title of session	Date	Time
Round 3 Replan Playback: Large Suppliers	Monday 9 January	11:00-12:30 (1.5 hours)
Round 3 Replan Playback: Central Parties & Software Providers	Tuesday 10 January	15:30-17:00 (1.5 hours)
Round 3 Replan Playback: DNOs & iDNOs	Thursday 12 January	11:30-13:00 (1.5 hours)
Round 3 Replan Playback: Medium Suppliers	Thursday 12 January	13:30-15:00 (1.5 hours)
Round 3 Replan Playback: Small & I&C Suppliers	Friday 13 January	10:30-12:00 (1.5 hours)
Round 3 Replan Playback: Supplier Agents	Friday 13 January	14:00-15:30 (1.5 hours)
Round 3 Replan Playback: drop-in session	Monday 16 January	10:00-11:30 (1.5 hours)
Round 3 Replan Playback: drop-in session	Monday 16 January	14:00-15:30 (1.5 hours)

- Playbacks will cover:
  - Explanation of the artefacts
  - Walk-through of the plan
  - Q&A

- Drop-ins are for anyone to come along and to ask for further clarification and / or to ask questions

Code Drafting POAP (as in Round 3 replan)

Activity			Dec 22	Jan 23	Feb 23	Mar 23	Apr 23	May 23	Jun 23	Jul 23	Aug 23	Sep 23	Oct 23	Nov 23	Dec 23	Jan 24	Feb 24	Mar 24	Apr 24	May 24
A	Planning	Impact assess design, finalise plan, define M6-8 acceptance criteria (8 wks – start Nov '22)	8 wk																	
B	Data Services (BSC)	Drafting (6 wks) and review cycles (10 wks)		16 weeks																
C	Metering Services (REC)	Drafting (6 wks) and review cycles (10 wks)		16 weeks																
D	Interfaces / Data Specification (REC and BSC)	Drafting (8 wks) and review cycles (12 wks)			20 weeks															
E	Registration (REC and BSC)	Drafting (8 wks) and review cycles (12 wks)			20 weeks															
F	Review	Mid-point assessment of process (2 wks)					2													
G	BSC Central Services (BSC)	Drafting (9 wks) and review cycles (11 wks)						20 weeks												
H	Qualification & Governance (REC and BSC)	Drafting (9 wks) and review cycles (11 wks)						20 weeks												
I	Consequential Change	Review (2 wks), review cycle (10 wks)								12 weeks										
J	Transition Text (all codes)	Drafting (8 wks) and review cycles (10 wks). Soft start during previous topics							18 weeks											
K	Topic area mop up	Review & plan (2 wks). Drafting (4 wks). Review cycles (10 wks)										16 weeks								
L	Finalise and consistency check	• Gap analysis and consistency check (2 wks) • Finalise documentation (1 wk) • Final consultation and approval (8 wks)														11 weeks				

M5

M6

15 months

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MHHS Programme – Code drafting progress update, December CCAG

Status Summary

The current code drafting plan has been amended to include CR12 consequential code change and therefore has changed M6 delivery to 4/4/24

Prototyping sprint 2 has been completed. The outputs have been shared with CDWG and CCAG. The traceability matrix will be key to managing and reporting on the code drafting.

January Deliverables

- Code drafting commences on Data Services and Metering Services
- The first CDWG will take place during a code drafting window giving us opportunity to workshop drafting questions
- Go live of the updated code drafting collaboration space
- Preparation activities for the first industry consultation on 14/2/23

Risks

#	Risk or Issue	Mitigation Plan	RAG
R	There is a risk that the outputs of code drafting may not reflect the design	1)Ensure the code drafting does align to the design solution 2)Complete a cross check between code drafting and design at the end of the code drafting process	Medium Risk
R	There is a risk that there may be a material volume and/or individual large changes required to the design after M5 (e.g. as a result of testing, code drafting, or raised by Programme Participants) that require code drafting to be paused and/or approached differently.	1)The SRO/LDP team will manage all the queries 2)Monitoring and managing the change request process	Medium Risk
R	There is a risk that Programme testing may identify changes to baselined code and require code updates and further code releases after initial code changes have been approved	1)The CCAG has/will consider their approach to reviewing and updating code, should the design change e.g., maintaining working groups on stand-by 2)To ensure the change control process is followed correctly	Medium Risk
R	There is a risk that parties involved in code drafting and review may not dedicate sufficient resource to deliver drafting and review within given timescales and therefore code drafting may take longer than given	1)Resource requirement defined and agreed with relevant parties in advance of M5 - Complete 2)Resource position of relevant parties transparently shared ahead of M5 - Complete 3)Clearly defined code drafting timelines, including review, captured in Round 2 plan - Complete 4)A final review of the BSC code drafting matrix - complete	Medium Risk

Drafting Milestones	Target date*	Forecast date	Status
Data Services approved at CCAG	26/4/23	26/4/23	Green
Metering Services approved at CCAG	26/4/23	26/4/23	Green
Interfaces/Data Specification approved at CCAG	28/6/23	28/6/23	Green
Registration approved at CCAG	28/6/23	28/6/23	Green
Governance and Qualification approved at CCAG	23/8/23	23/8/23	Green
BSC Central Services approved at CCAG	23/8/23	23/8/23	Green
Consequential Change approved at CCAG	25/10/23	25/10/23	Green
Transition Text approved at CCAG	25/10/23	25/10/23	Green
Topic Area Mop Up approved at CCAG	24/1/24	24/1/24	Green
Finalise and consistency check approved at CCAG	27/3/24	27/3/24	Green
Code changes baselined (M6)	4/4/24	4/4/24	Green
Smart Meters Act powers enabled (M7)	6/12/24	6/12/24	Green
Code changes delivered (M8)	7/3/25	7/3/25	Green

*dates subject to Programme Replan

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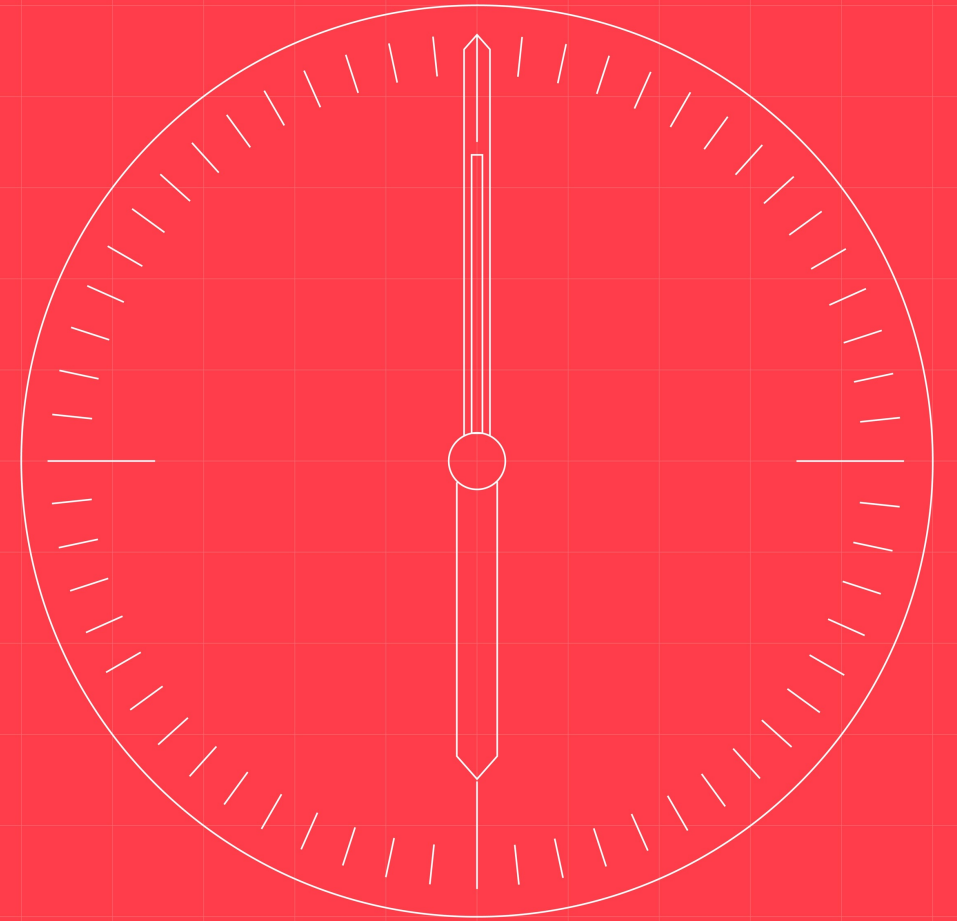
Readiness Assessment 2 non-responders

DISCUSSION: Share the non-responders to RA2. Ask PSG reps to help improve engagement from non-responders in their constituency, particularly for the Round 3 replan consultation

Programme (Chris Welby)

10 mins

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RA2 Non-Responders

In RA2, **42** of the organisations who did not reply were required to do so as part of their license conditions. These are listed below, alongside the **2** organisations that did not arrange or attend their RA2 deep-dive interview.

All of the below organisations are expected to respond to RA3 and other requests for information made by the MHHS Programme in future. This includes Round 3 of consultation on the Programme plan where content has been tailored toward the organisations that did not respond to RA2.

If organisations do not respond then escalations will be considered, including to Ofgem.

The following organisations did not respond to RA2

I&C Suppliers
- AXPO UK Limited
- Dyce Energy Ltd
- F & S Energy LTD
- Farringdon Energy Ltd TA Champion Energy
- Flexitricity Limited
- Marble Power Limited
- Maxen Power Supply Limited
- MB Energy
- P3P Energy Supply Limited
- PX Group
- Regent Gas
- United Gas & Power Ltd
- Vattenfall Energy Trading GmbH
- YU Energy

Small Suppliers
- D-Energi Trading Limited
- Delta Gas And Power Ltd
- Eneco Energy Trade BV
- Energise Britain
- Foxglove Energy Supply Limited
- Green Energy (UK) Plc
- Logicor Energy Ltd
- Ohio Energy
- Rebel Energy
- Smart Pay Energy

Independent Agents
- AES Smart Metering
- ASL Holdings
- BT PLC
- Complete Metering
- Energy Assets Group
- Fulcrum Metering Services
- Haste
- iCD Energy
- Itron Metering Solutions (UK)
- Kenda
- Magnum Utilities
- Providor (Bury Metering)
- Smartworks Metering
- Solace Utilities

iDNOs
- Fulcrum Electricity Assets Limited
- Indigo Pipelines Limited
- Mua Electricity Limited
- Utility Assets Limited

The following organisations did not arrange or attend their RA2 deep-dive interview

Small Suppliers
- Foxglove Energy Supply Limited

I&C Suppliers
- F & S Energy LTD

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Governance groups reminder

INFORMATION: Remind PSG members of the MHHS governance groups and how representatives and their constituents can engage with them
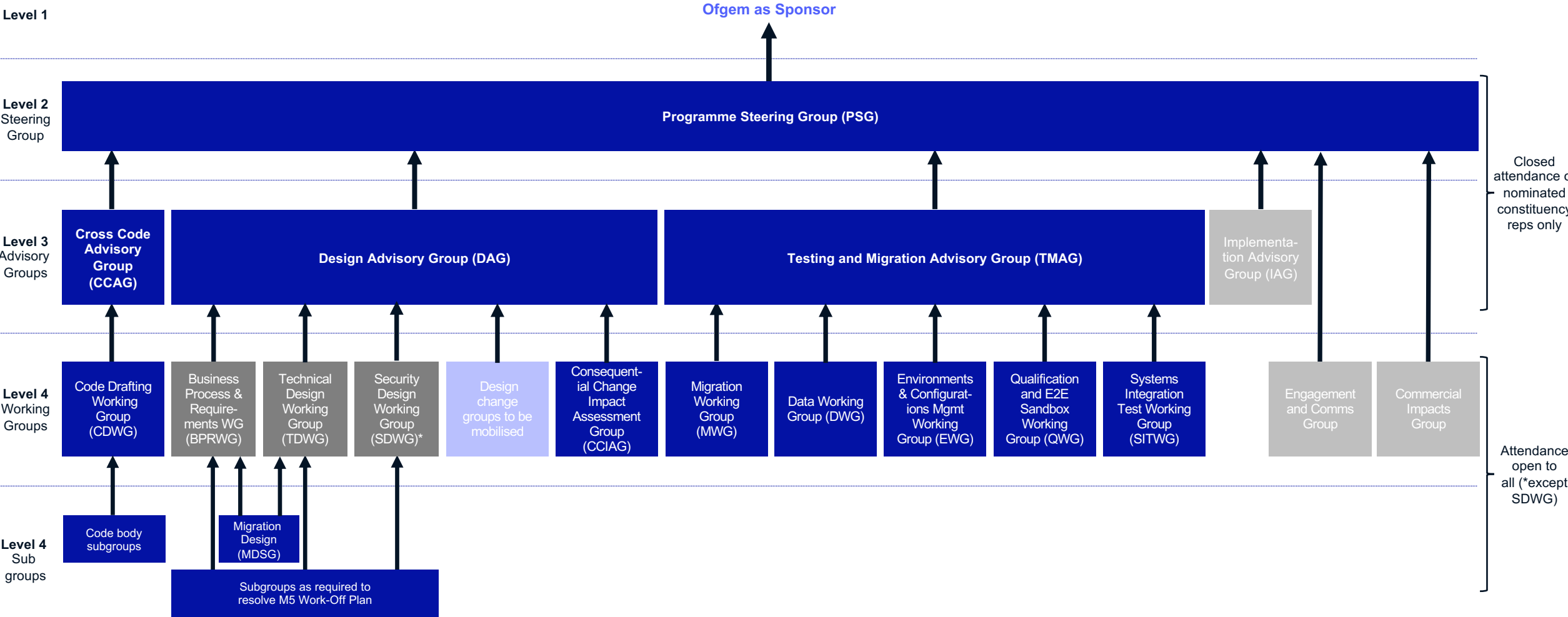
Programme PMO

5 mins

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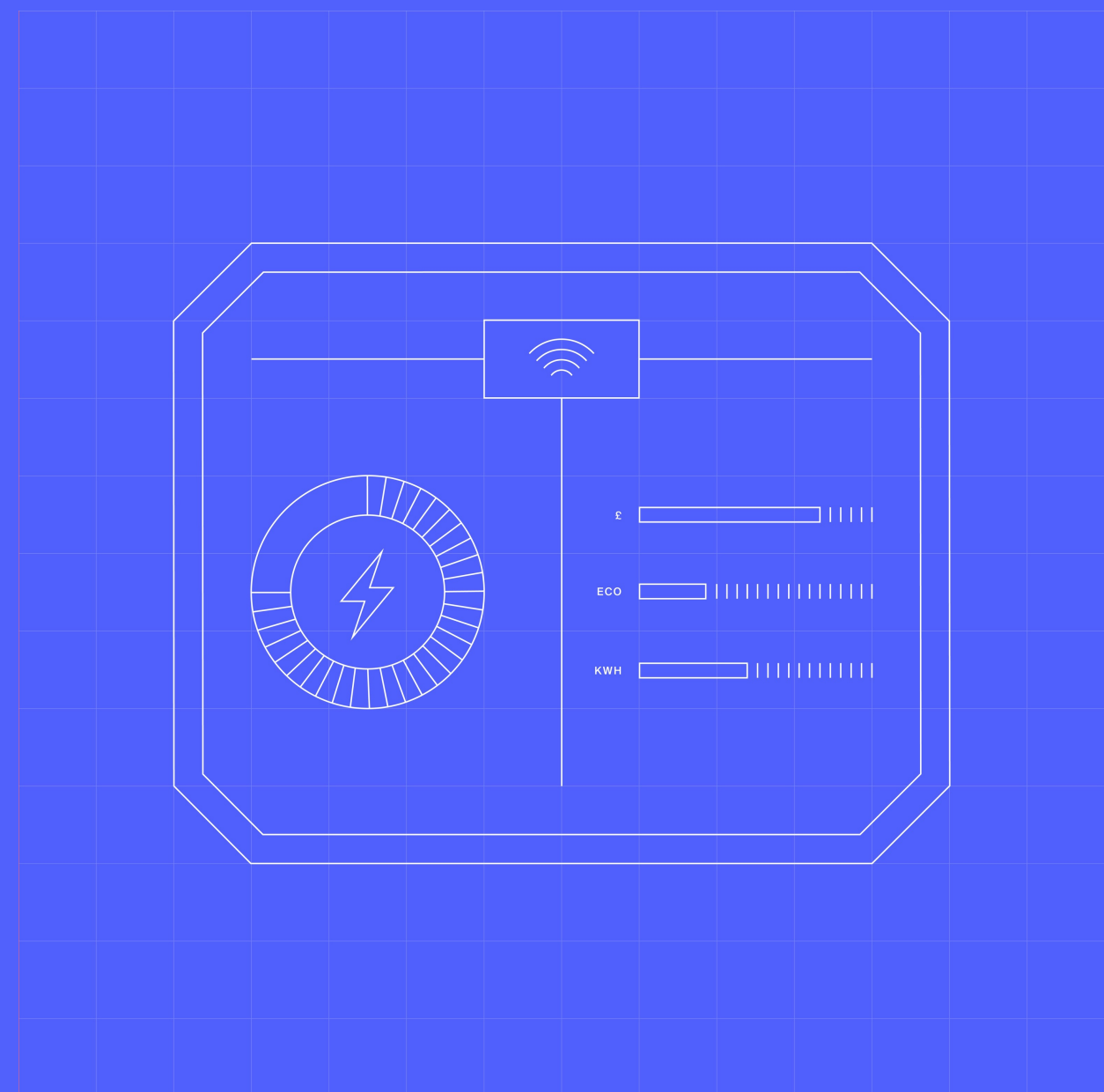
MHHS Governance and Decision-Making Structure

Level 1

Ofgem as Sponsor

Level 2
Steering Group

Programme Steering Group (PSG)

Closed attendance of nominated constituency reps only

Level 3
Advisory Groups

Cross Code Advisory Group (CCAG)

Design Advisory Group (DAG)

Testing and Migration Advisory Group (TMAG)

Implementation Advisory Group (IAG)

Level 4
Working Groups

Code Drafting Working Group (CDWG)

Business Process & Requirements WG (BPRWG)

Technical Design Working Group (TDWG)

Security Design Working Group (SDWG)*

Design change groups to be mobilised

Consequential Change Impact Assessment Group (CCIAG)

Migration Working Group (MWG)

Data Working Group (DWG)

Environments & Configurations Mgmt Working Group (EWG)

Qualification and E2E Sandbox Working Group (QWG)

Systems Integration Test Working Group (SITWG)

Engagement and Comms Group

Commercial Impacts Group

Attendance open to all (*except SDWG)

Level 4
Sub groups

Code body subgroups

Migration Design (MDSG)

Subgroups as required to resolve M5 Work-Off Plan

Key	Mobilised	Mobilisation in progress	To be mobilised in future	May be mobilised	Available for any ad hoc meetings

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Delivery dashboards (reduced set)

INFORMATION: Take questions from PSG members on delivery dashboard content

Chair

10 mins

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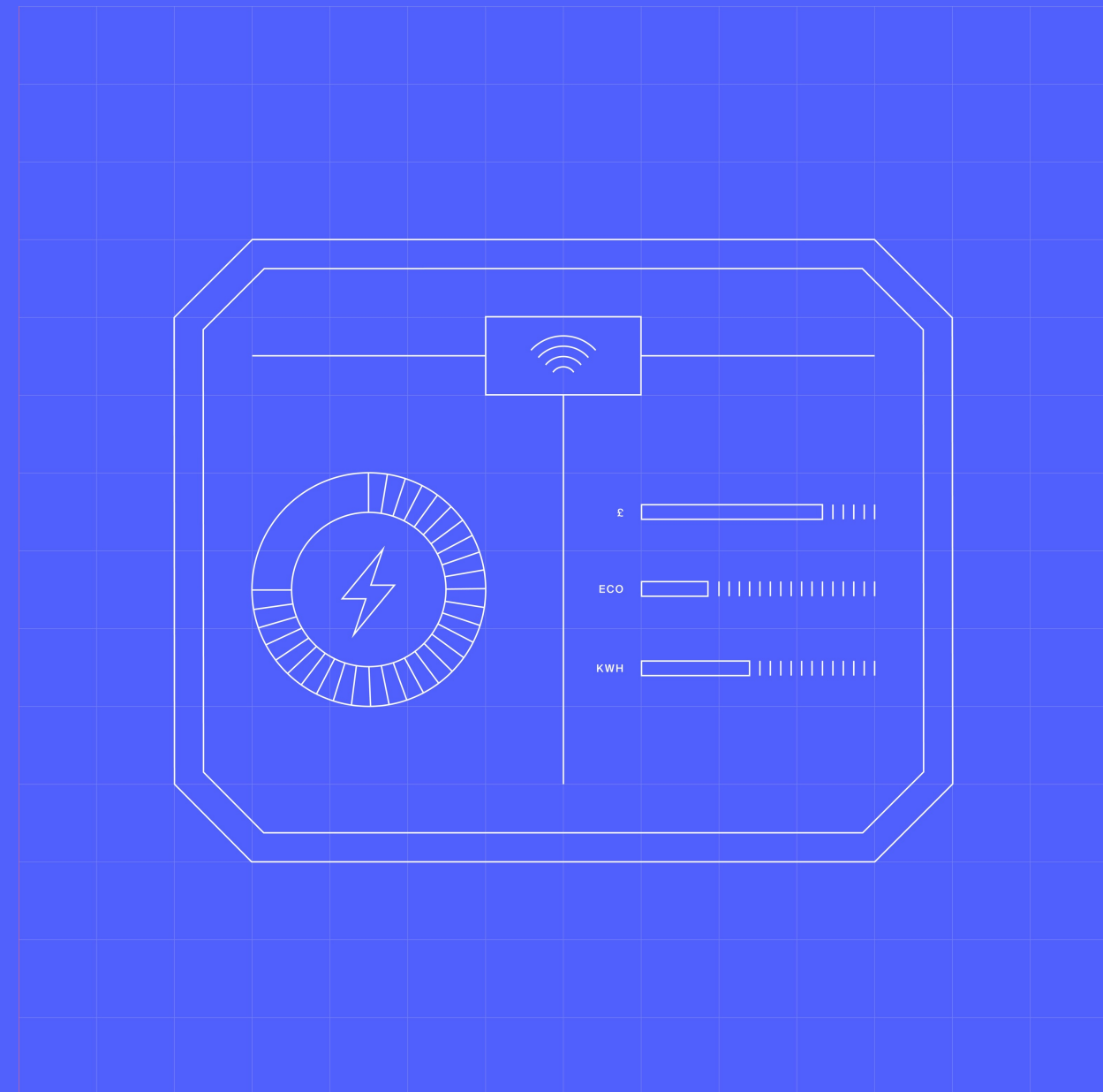
Delivery dashboards - contents

Please note, delivery dashboards in grey will return in full to February PSG

Area	Title	Purpose	Page
MHHSP Programme level	**MHHS Milestone Status**	Provide an overview of progress against Programme milestones	20
	Interim Plan status report	Provide an overview of progress against the Programme interim plan	21
	Risk themes	Provide a high-level view of Programme Risks	22
	Finance	Provide high-level forecast and actual Central Programme expenditure	
	Change Control	Update on the status of any Change Requests (highlighting any change to the baselined design)	
MHHSP workstream level	Design work-off and transition design	*Please refer to the agenda item on Design for this month's content*	
	Level 3 Advisory Group updates	• Update on key discussion items and outcomes from recent Level 3 Advisory Groups • Provide a forward look to future Level 3 Advisory Groups	
	PPC overview	Provide information on PPC activity and participant engagement – includes a summary from the recent open day	
	Data Integration Platform (DIP)	*Dashboard on hold until DIP provider onboarded*	
Assurance	Independent Programme Assurance (IPA)	Provide a progress update on in-flight and future planned assurance activities	
Industry	**Central Party delivery plans**	Provide an overview of Helix, DCC and RECCo delivery plans and progress against them	26
	Central Party finances	Provide high level Central Party forecast of expenditure against plan	
	Industry change	• Summarise activity at the Consequential Change Impact Assessment Group (CCIAG) • Summarise items raised to the Programme horizon scanning process	

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Red	Date has not been met or is expected not to be met	Amber	Date may not be met and/or new date not yet agreed	Green	Date expected to be met

Level		Milestone	Milestone Date		Status	Path to Green – Actions (& related impacts)	Previous RAG Dec PSG	Current RAG Jan PSG	Forecast RAG Feb PSG
			Baseline	Forecast					
1	M5	Physical baseline design delivered	29-Apr-22	31-Oct-22	• DAG approved M5	• This milestone has been met and the related delivery of the work-off plan and migration design are being tracked	Met	Met	Met
	M3	Design, Build Start (Elexon)	31-Aug-21	Complete			Met	Met	Met
	M3	Design, Build Start (DCC)	28-Feb-22	Complete			Met	Met	Met
	M3	Design, Build Start (DNOs)	31-May-22	05-Apr-23 *for unconditional approval*	• M3 was conditionally approved at PSG in Nov-22 • New M3 criteria were agreed at PSG in Dec-22 to support a further M3 approval decision after the Round 3 plan consultation	• Unconditional M3 approval will be sought at PSG based on new criteria agreed at PSG Dec-22, and expected to be met as a result of requests made during the Round 3 planning consultation	Met conditionally	Met conditionally	Met conditionally
	M3	Design, Build Start (iDNOs)	31-May-22						
	M3	Design, Build Start (Agents)	31-May-22						
	M3	Design, Build Start (Suppliers)	31-May-22						
	M5+	Industry re-plan	29-Jul-22	20-Apr-22	• MHHSP have confirmed 'plan for the plan' and updated / extended the interim plan • Round 3 consultation started on 14-Dec-22		Amber	Green	Green
1	M9	System Integration Testing Start	31-Aug-23	(30-Oct-23) *Round 3 proposed*	• Date to be determined during the programme re-planning activity • Round 3 proposed M9 date is 30-Oct-23	• Not all Core Capability Providers (CCPs) are yet able to provide DBT plans that support this date although there are opportunities to mitigate impact. • Regular bilateral meetings between those CCPs and MHHSP are ongoing to find solutions to support the date	Amber	Red	Red
1	M6	Code changes baselined	29-Apr-22	(04-Apr-24) *CR012 / Round 3 proposed*	• CR012 proposes a change to the date that will be stated in the Round 3 re-plan and reviewed as part of the consultation (shown as forecast date here)	• Agree new dates as part of re-baselining the plan, and those new dates are not expected to be on the programme's critical path	Red	Red	Red
	M7	Smart Meters Act powers enabled	31-May-22	(06-Dec-24) *Round 3 proposed*	• Date to be reviewed during re-plan consultation	• Agree new dates as part of re-baselining the plan, and those new dates are not expected to be on the programme's critical path	Red	Red	Red
	M8	Code changes delivered	30-Nov-22	(07-Mar-25) *Round 3 proposed*	• Date to be reviewed during re-plan consultation	• Agree new dates as part of re-baselining the plan, and those new dates are not expected to be on the programme's critical path	Red	Red	Red

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Executive Summary

- **Interim Programme Plan:** Considering the decision to postpone the launch of Round 3 consultation to mid-December which will delay the rebaselining of the Programme Replan, an updated and extended interim plan has been produced. The revised plan was approved by PSG on 07-Dec-22. The below tasks and baseline dates reflect the updated Interim PoaP.
- **Design Delivery:** The Design Advisory Group (DAG) agreed to baseline the MHHS Design on 31-Oct-22 subject to a work-off item list to be delivered within three months. Progress against implementation of the M5 design Work-Off Plan is tracking green for completion by the end of Jan-23. The PSG decided to proceed with Migration Option 3 on 07-Dec-22.
- **Programme Re-Plan Consultation:** Round 3 consultation launched on 14-Dec-22 when a detailed Replan and supporting artefacts were made available to Programme participants via the MHHS website and Collaboration Base. The deadline for all participants to submit their consultation response is 31-Jan-23 with those participants interested in SIT requested to respond by 16-Jan-23, in line with the agreement at December PSG.
- **Control Point 1:** Following an internal review and Control Point report, the Programme decided to 'Continue' into the Design, Build and Test phase with a 'Satisfactory' rating at PSG on 07-Dec-22. This was a position supported by the IPA, who noted most findings in the review were consistent with their view.
- **Top Delivery Challenges:** (1) working with core capability providers to align their DBT plans with the intended programme plan to best manage critical path risks (R345), (2) reaching agreement with all stakeholders on the timeline in any re-baselined plan.

Plan RAG Status	
Previous RAG	**Amber**
Current RAG	**Amber**
Next period RAG	**Amber**

Task	Workstream	Baseline date	Forecast date	RAG
Readiness Assessment 2 Report Sign-off	Milestones (Tier 1 & 2)	07-12-22	07-12-22	Complete
Control Point 1 – Start Design & Build	Milestones (Tier 1 & 2)	07-12-22	07-12-22	Complete
PSG decision to launch Round 3 Replan consultation	Programme Replan Baselining	07-12-22	07-12-22	Complete
Migration Approach approved at PSG	Migration & Service Mgmt Artefact development	07-12-22	07-12-22	Complete
Develop Migration design artefacts (start)	Migration & Service Mgmt Artefact development	08-12-22	30-11-22	Complete
Develop Migration, Cutover & Data Strategy (start)	Migration & Service Mgmt Artefact development	08-12-22	08-12-22	Complete
Design Authority ToR approved at DAG	Design Baseline & PP Design Management	14-12-22	11-01-23	Red
Design Change Management procedure approved	Design Baseline & PP Design Management	16-12-22	11-01-23	Red
Design playbacks & drop-in sessions (end)	Design Baseline & PP Design Management	30-12-22	30-12-22	Complete
DIP onboarding support (end)	Design Baseline & PP Design Management	30-12-22	31-01-23	Red

Task	Workstream	Baseline date	Forecast date	RAG
Test Query Tool implementation complete	Test Preparation & PIT Assurance	03-01-23	27-03-23	Red
Round 3 Replan Webinar	Programme Replan Baselining	12-01-22	20-01-23	Red
Change Process Webinar	Design Baseline & PP Design Management	16-01-23	16-01-23	Green
Inaugural Design Authority	Design Baseline & PP Design Management	26-01-23	26-01-23	Green
Code drafting for Data Services & Metering topic areas complete (Registration topic area code drafting postponed as a result of CR012)	Design Baseline & PP Design Management	27-01-23	27-01-23	Green
SIT participant volunteers confirmed	Enduring PMO & PPC activities	27-01-23 (Interim PoaP)	21-02-23 (Round 3 plan)	Red
Test Scope for all Test Stages (excl Migration / Reverse Migration) approved	Test Preparation & PIT Assurance	27-01-23	27-01-23	Green
Test Traceability & Test Coverage for all Test Stages (excl Migration / Reverse Migration) approved	Test Preparation & PIT Assurance	27-01-23	27-01-23	Green
Round 3 Replan consultation end	Programme Replan Baselining	31-01-22	31-01-22	Green
DIP Simulator released	Programme Portal & Test Stub Delivery	31-01-23	28-02-23	Red
Implementation of M5 design Work-Off Plan (end)	Design Baseline & PP Design Management	31-01-23	31-01-23	Green
iServer Launched	Design Baseline & PP Design Management	31-02-23	13-02-23	Green

RAID ID	RAID Description	Mitigation / Resolution	Resolution Date	Owner(s)	RAG
R345	There is a risk that Core Capability providers (including Central Parties) may not deliver early enough to support the commencement of SIT (M9) as planned	1) MHHSP is conducting regular 'account management' meetings with all Core Capability Providers (CCPs), to find ways to de-risk their DBT plans and support earliest delivery and readiness for SIT 2) Where appropriate, MHHSP will escalate issues within CCP organisations and will conduct bilaterals with any associated 3rd party software providers 3) Should any insurmountable obstacles to any specific CCP being ready for M9 be found, the date for M9 may need to be reconsidered	28/02/2022	Keith Clark	Red
R224	There is a risk that the credibility of any rebaselined plan may be low because there may be few responses to the Round 3 consultation	1) Easily accessible and clear planning artefacts, provided early – and comprehensive playback sessions to ensure clear understanding of the plan 2) Clear and explicit Round 3 consultation questions, provided as an on-line questionnaire so that they are easy to navigate and to complete 3) Targeted PPC support and engagement aimed at potential early adopters 4) Reminder to all participants of their obligations (to respond) and clear reporting (to PSG) of non-compliers	06/04/2023	Keith Clark	Red

Theme	Summary	Mitigation Approach Overview	RAG Status	
Supplier and Programme participant engagement and mobilisation	Suppliers and Programme participants may not be mobilised early enough to support the forward delivery approach and / or market conditions may worsen	• M5 approved, M3 conditionally approved • PPC activities (including Readiness Assessment 2) have been conducted to verify status at M3, with the RA2 findings shared at November PSG. RA3 is proposed to commence on in May 2023 (subject to the outcome of the replan) • Participant engagement has been conducted both via the Design and the ongoing Re-planning activities.	**Previous RAG**	**Amber (18 Risks)**
			Current RAG	**Amber (17 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment — Critical (30 29 28 27 26 25)	High (24 23 22 21 20 19 18 17)	Medium (16 15 14 13 12 11 10 9)	Low (8 7 6 5 4 3 2 1)	Score movement since last PSG	Mitigation Plan
R005	There is a risk that parties do not engage in MHHS due to being focused on their 'business as usual' activities and other industry change programmes.	I (25)		C (14), T (11)		7 decrease (21 to 14)	• Set early expectations of what is required – ensuring that plans provide the right basis for effective management of resources and business priorities • Use the levers of business change management to continue to encourage adequate prioritisation of party support for the programme • Focus on risks, contingency planning, and dependency management to highlight and deal with potential challenges as quickly as possible • Ensure a smooth flow of information from the Cross Code Advisory Group (CCAG)
R049	There is a risk that other Industry initiatives (i.e. FSP) impact MHHS implementation and timetable.		I, C (21)		T (9)	No Change	• Monitor via CCAG and raise risks through that forum • Continually reinforce (to participants) their obligations to meet baselined programme timelines
R218	There is a risk that Industry may enter a cash flow crisis due to high levels of customer debt building over the winter which causes market wide business failures, particularly given the current situation with consumers concerns over increased price caps being announced and the likelihood of a movement against paying energy bills until formally addressed by the Government		I, C (21)		T (9)	No Change	• Monitor Industry fall-out and Government / Ofgem interventions • Capture any concerns via PPC bilateral meetings
R022	There is a risk that that the disruption within the energy retail market will create operational challenges for Supplier organisations which could impact activities on the MHHS programme	I (24)		C (15), T (13)		No Change	• Monitor the current situation and identify any particular areas where we could address potential impacts early, manage through PSG • Continue to focus on PP engagement and communication plans, to help reduce PP burden and overhead on engaging with MHHSP
R029	There is a risk that programme participants (industry) may not progress in line with the key milestones in the plan	I (24)		C (15), T (13)		No Change	• Work with PPC and IPA to ensure all parties progress to plan and if not and further intervention required, then escalation to Ofgem • Ensure we embrace a collaborative approach with programme parties and early stakeholder engagement to ensure awareness and buy in • Manage key discussions through PSG

Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

MHHS PROGRAMME
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Document Classification: Public

Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview	RAG Status	

Completion and outputs of the Programme Re-plan activity	There are risks to the completion of the re-plan as expected, and of the timescales (in the re-plan) being longer than the original Transition Timetable	• Seek earliest baselining of the programme plan – this, together with the Design baseline - will help to remove programme ambiguity and bring the programme's management into a more controlled and predictable delivery mode
		   o Round 3 plan consultation commenced as planned on 14-Dec-22
		   o Round 3 responses due 16-Jan-23 (for those participants interested in participating in SIT), and otherwise 31-Jan-23 responders who meet the latter deadline are not in principle precluded from SIT participation)
			Previous RAG	**Amber (5 Risks)**

			Current RAG	**Amber (6 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Score movement since last PSG	Mitigation Plan
R025	There is a risk that the 2022 re-baseline extends timescales significantly.	I (High ~23) → C (Medium ~16) → T (Low ~6)	No change	• Get clarity on the delivery plans for parties developing core capabilities required for SIT (Central Parties + St Clements / LDSOs, to define the critical path more clearly • Build and consult on a Round 3 plan with clarity on the critical path to SIT and an agreed migration / go live approach, and requiring PPs to provide their plans to complete their DBT • Publish and manage the updated interim programme plan for the period leading up to the rebaselined plan being approved
R069	There is a risk that there may be additional cost implications for programme parties due to programme replan / delays or change in direction	I (Medium ~15) → C (Medium ~13) → T (Low ~7)	No change	• Manage Round 2 and Round 3 responses and outcomes • Ofgem to consider of any CR resulting from the re-planning activity (including PP impact assessments) • Ofgem CR approval process
R073	There is a risk that the current 15-month period M5 to M9 is not long enough for programme parties to support	I (Critical ~25) → C (Medium ~13) → T (Medium ~10)	No change	• Discuss during the volunteer-based planning sessions (Planning Working Groups) • Develop and publish draft iterations of the replan– taking into consideration any changes to the timeline due to move of M5 and M3 • Engage with all participants (including Ofgem and IPA) through the consultation process and assess feedback • Gain approval from PSG (and Ofgem)

Risk Score Assessment scale columns: Critical (30 29 28 27 26 25), High (24 23 22 21 20 19 18 17), Medium (16 15 14 13 12 11 10 9), Low (8 7 6 5 4 3 2 1)

Key	
I	Initial Score
C	Current Score
T	Target Score

Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

MHHS PROGRAMME
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Document Classification: Public

Theme	Summary	Mitigation Approach Overview	RAG Status	
Management of industry change associated with The Programme	Through the CCAG Horizon Scanning log and external facing MHHSP activities, several risks and dependencies have been identified from industry change and initiatives which need to be mitigated or resolved.	• Comprehensive industry change analysis completed and updated RAID to ensure MHHS Programme is more proactive in the management of the risks of industry change that impacts MHHSP. The positive effect is being seen by the reducing risk scores for these risks. • Attendance at relevant industry change Working Groups to ensure MHHSP requirements delivered • Proactive discussions with Code Bodies to ensure delivery plans aligned to MHHSP plans • Data cleansing activities key to migration and an MHHSP position needs to be agreed to take into discussions with external parties	**Previous RAG**	**Amber (12 Risks)**
			Current RAG	**Amber (11 Risks)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment				Score movement since last PSG	Mitigation Plan
		Critical	High	Medium	Low		
		30 29 28 27 26 25	24 23 22 21 20 19 18 17	16 15 14 13 12 11 10 9	8 7 6 5 4 3 2 1		
R227	There is a risk that the migration approach needs to change if BSC Mod P432 is rejected		I	C	T	12 decrease (24 to 12)	• Continue to discuss with Elexon, Ofgem and at CCAG. • Ofgem awaiting DCUSA Modification 414 as P432 and this are interdependent. Ofgem expect to be making our decision in March/April next year.
R229	There is a risk that implementation of REC R0032 is delayed beyond SIT for new data items required for MHHS			I C	T	4 decrease (15 to 11)	• Change is under Party Impact Assessment and is on course for implementation in the June 2023 Release. • Monitor implementation of CP
R153	There is a risk that the implementation of DCC release (SEC MP162 Mod) in February 2024 does not align with MHHS Programme requirements to be ready for SIT.			I C	T	5 decrease (18 to 13)	• Discussions ongoing with DCC alongside the replanning activity • This may need to be revisited if R182 becomes an issue • The current DCC plan aligns with SIT timescales and the Programme will continue to monitor this through account management and planning activities
R151	There is a risk that delivery timescale slippage may run into DSP re-procurement timescales, impacting DCC costs and delivery timescales for Mod P162			I C	T	7 Decrease (15 to 8)	• MP162 approved for implementation in June 2023. Release and DCC planning to make systems available for SIT in line with MHHS Programme plan
R228	There is a risk that implementation of BSC CP1558 is delayed beyond SIT for new data items required for MHHS			I	C T	4 decrease (14 to 8)	• Approved by SVG for implementation June 2023. Will continue to monitor.

Items can be raised to the Programme RAID log using the RAID input form. Please refer to the Programme Digital PMO (DPMO) to see Programme risks in more detail

Key	
I	Initial Score
C	Current Score
T	Target Score

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There were previously two key issues for the Programme, each of which have now been resolved : (1) addressing risks from the Independent Agent escalation to the IPA of the SEC Mod MP162 solution; and (2) reaching a conclusion in principle, on how the programme will handle the migration approach.

We are now managing the delivery risk of changes for MP162, the associated DCC capacity solution and the migration design and DBT for reverse migration through Programme RAID.

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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:
- Ofgem letter confirming decision on MP162 (28/11)
- Follow-ups with Service Providers engaged to progress capacity modelling (25/11)

Progress expected in the coming month:
- Market-wide Half Hourly Settlement (MHHS) Industry Summit (31/01)
- Final costs presented following FIAs from SP's, expected end Jan/early Feb.
- MDR Only design work to commence in Jan
- Final consultation response from DCC on Programme Replan due end of Jan.

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MP162 DBT complete	15-05-23	15-05-23
MP162 SIT complete	15-09-23	15-09-23
MP162 MDR UIT Start	17-07-23	17-07-23
MP162 Go-LIVE	20-06-24	20-06-24

Decisions required	From whom?	By when?
None	n/a	n/a

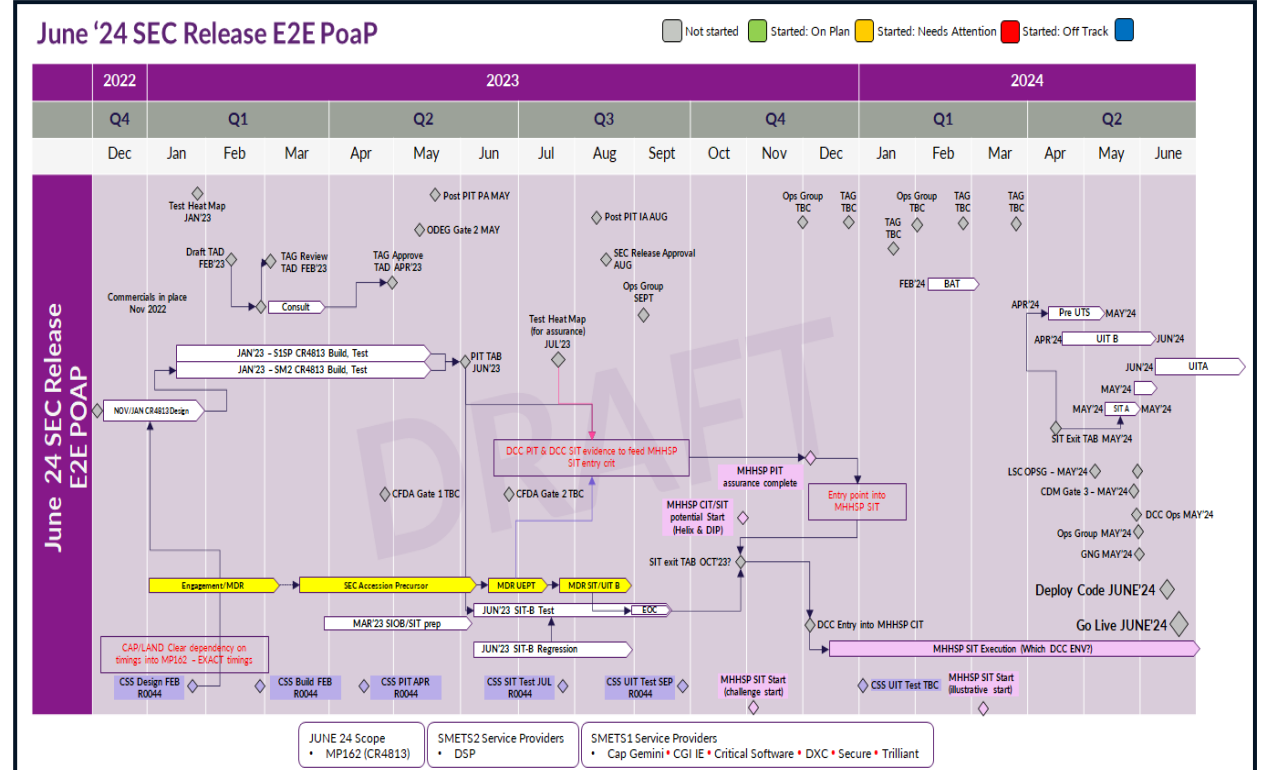| Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Interface Spec from R0044 is not ready for the start of MDR DB-PIT DCC testing.	Monitor, closely, the Landmark and Netcompany delivery of interface spec to ensure agreed milestones are met.	15-01-23	DCC

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
DSP Programme baselines against MP162/MHHS Programme requirements and go-live	Programme changes to be checked back against DSP Programme Assumptions	31-10-23	MHHSP

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
New MDR Party available for UIT testing	Liaise with MHHS Programme on upcoming parties	01-07-23	MHHSP
Switching RECMOD R0044 is complete	DCC Internal programme liaises with REC Manager for delivery into MHHS	31-01-23	DCC/REC Manager
Registration data design	DCC need visibility and greater clarity on how MDR and SDS registrations will be modelled	15-12-22	MHHSP
UEPT Alignment	SECAS/UEPT processes are aligned and ready to support POAP timings	27-01-23	DCC/SECAS

June '24 SEC Release E2E PoAP

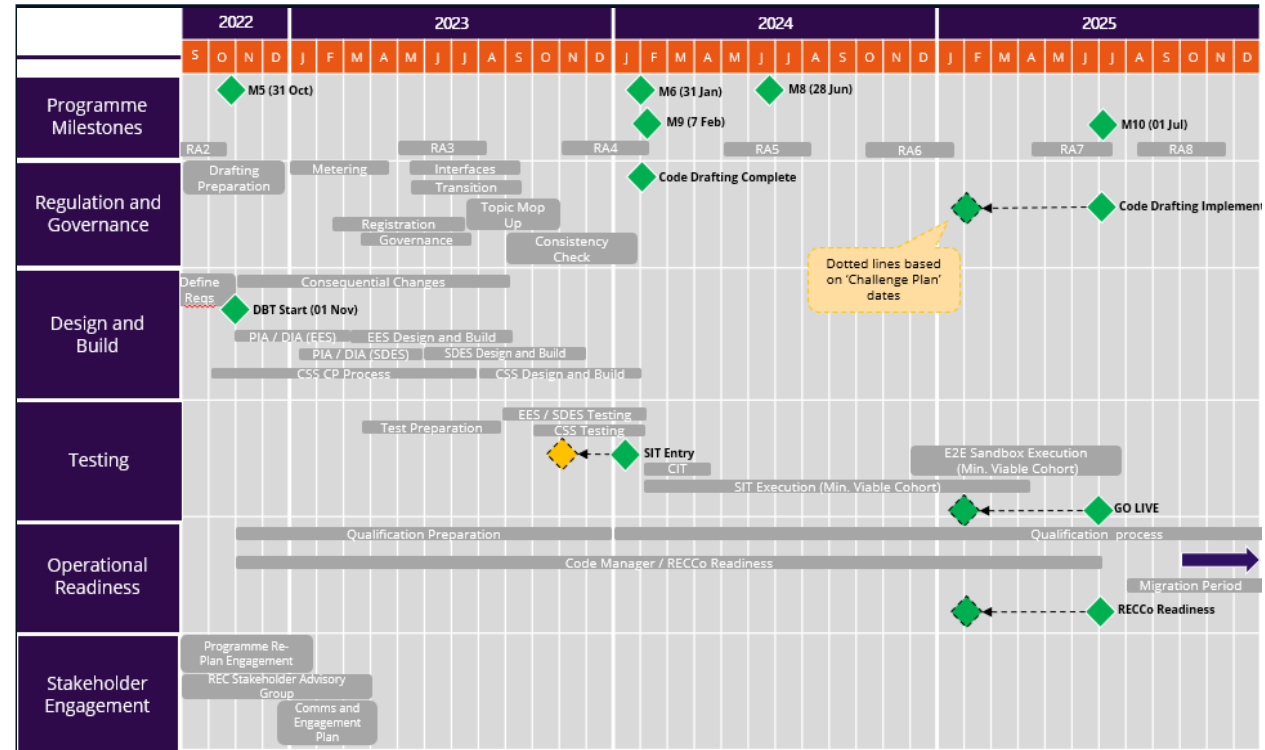| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Detailed impacted assessment initiated with C&C for EES MHHS changes
- Delivery Manager position recruited for Design & Build workstream (start Mar'23), and Andrew Wallace onboarded for Regulation & Governance workstream.
- CR12 approved, addressing issues with Code Drafting scope to include consequential change
- Tripartite meetings established to understand roles & responsibilities for UIT/Qualification phase.

Progress expected in the coming month:

- Ongoing engagement with programme on Migration / Qualification / Design work-off plan
- Provide response to Replan consultation #3
- 2023/2024 RECCo budget submission for MHHS
- EES Detailed Impact Assessment completion
- Code Drafting start (Metering)

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
DBT Start	01/03/2023	01/03/2023
Code Drafting Complete	31/01/2024	31/01/2024
SIT Entry	07/02/2024	07/02/2024
Code Drafting Implemented	01/07/2025	01/07/2025
RECCo Readiness	01/07/2025	01/07/2025
GO LIVE	01/07/2025	01/07/2025

Decisions required	From whom?	By when?
Decision on RECCo role in Qualification	MHHS Programme	?
Decision on allocation of Market Role codes in ISD for new and existing services to complete detailed impact assessment.	MHHS Programme	31/01/2022

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
[Issue] No consistent understanding between the programme, Elexon and RECCo on the roles and responsibilities for UIT and Qualification. The prog. has made assumptions that code bodies will be fully responsible for the operation and delivery of the MHHS UIT test phase	Tri-partite meetings established to agree roles and responsibilities. Initial meeting held 12th December	January '23	Programme
[Risk] Limited visibility of programme testing requirements may impact REC Service Provider impact assessments and delivery	Include Service Providers in Testing WGs – Await Re-plan	December '22	Jon Hawkins

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Transition Approach and associated design artefacts		December '22	Programme
Re-baselining of Programme Plan		January '23	Programme
Changes to REC services not in scope of MHHS design		February '23	RECCo

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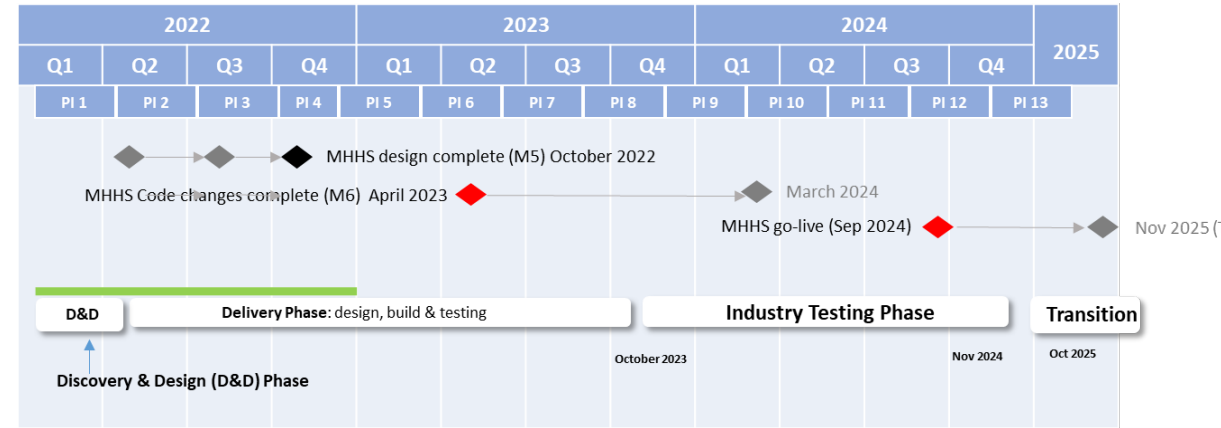| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Supplier

Status & Outlook

Progress last month:

- Good progress completing PI4, both Scrum Teams & Kanban teams had burned down 100% of planned work against an expected 100%.

- Integration Defects: No open defects. 1st Backlog Test case execution complete for Sprint 4.3 and 4.4 with Clean Run. Next run planned for Jan 6th.

- VAS & LSS have now merged into one team with great progress. Backlogs are all completed with minimal refinement needed.

Progress expected in the coming month:

- PI5 is progressing and is currently in sprint 2, progress across the teams is mixed as some were impacted more by the holiday period than others.

- All teams across Helix are working on re-plan objectives and timelines.

- Reviewing re-plan 3 for comment by 31 Jan.

Milestone	Baseline Date	Status
Programme mobilised	17/01/2022	Complete
Discovery & Design phase	22/04/2022	Complete
Delivery phase start	20/04/2022	Complete
Delivery phase ends	28/04/2023	Impacted
Industry testing phase starts	01/05/2023	Impacted
Industry testing phase ends	27/09/2024	Impacted
Helix changes go-live	30/09/2024	Impacted
Transition phase starts	30/09/2024	Impacted
Transition phase ends	26/09/2025	Impacted

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved
Additional legacy test environments could be needed for industry testing	Review the impact of the re-plan on the rest of the Portfolio. Portfolio Working Group - 31/01/23. Work with TMAG to develop a test environment plan.	31/01/23
There is a risk of further change.	Implementation of a MHHS programme change control process when changes are essential	31/01/23

Assumption & RAG	Action required	Date for action to be resolved
SIT will commence at the end of October.	Reviewing Plan 3 to align with this date	16/01/23

Dependency & RAG	Managing action required	Date for action to be resolved
Work off items and CR approved by end Jan	Working with the MHHS Programme to finalise.	31/01/2023
Migration and transition design artefacts required before PI 6 can commence	Encourage the delivery of the migration and transition design.	24/02/2023

The above plan is still in review and will be confirmed as part of re-plan 3

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Planning discussions with MPRS SSP (C&C Group)
- Reviewing design artefacts
- Reviewing work off item impacts/progression
- Discussions on key DNO design issues (24/7, E7/E10, reverse migration, issue 99)
- Continued testing drop 2 of MPRS stage 0
- Adapter discussions with DNOs

Progress expected in the coming month:

- Test drop 2/3 of MPRS stage 0
- Impact assessments by SSP
- Develop MPRS design
- Decision on adapter
- Review work off items that impact MPRS
- Respond to replan 3

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
TBC	dd-mm-yy	dd-mm-yy
	dd-mm-yy	dd-mm-yy
	dd-mm-yy	dd-mm-yy
	dd-mm-yy	dd-mm-yy
	dd-mm-yy	dd-mm-yy
	dd-mm-yy	dd-mm-yy

Decisions required	From whom?	By when?
Adapter	DNOs	31-01-23
24/7 operation	Programme/DNOs to agree approach for next steps	31-01-23

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Work Off Plan contains items that will impact MPRS design and delivery timescales	Work off items impacting MPRS resolved quickly - ongoing	31-01-23	Programme
Assessing impact of reverse migration decision and design	Reverse migration expected to extend delivery timescales	31-03-23	Programme
MPRS high level plan needs extending following detailed IA	IAs to be performed	31-01-23	SCS
Is the role of SCS recognised correctly by the programme?	Programme and SCS to resolve apparent mismatch	30-11-22	Programme/SCS
24/7 operation decision on wider SCS/DNO programme test phases and enduring operation	Do the programme test phases need modifying to reflect the potential change to 24/7 operation?	31-01-23	Programme

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
MPRS high level plan broadly remains following detailed IA	Detailed IA to complete	31-01-23	SCS
Workoff plan items resolved	Deliver workoff items	31-12-22	Programme
Programme governance does not impact MPRS delivery activities	Light touch and targeted approach	30-11-22	Programme

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Dependency on Programme to confirm decisions on above		dd-mm-yy	

[POAP provided separately]

29

Key

SCS	
C&C Group	
Milestone	

BAU support

MHHS Data cut DBT

MHHS programme engagement

MHHS CRs

SIT

	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24

Functional DBT

- Align design
- Align baseline design to MPRS design based on work off items
- Impact assessment
- DNO/iDNO proxy (security) decision
- Baseline MPRS design
- Pilot concept delivered
- Develop code
- System test
- Deliver MPRS release to SCS
- Test Support
- Pilot concept tested
- Prep FAT scripts
- Prep UAT scripts
- Execute FAT
- Execute UAT/PIT
- Complete DBT

Migration DBT Bulk

- Align design
- Impact Assessment
- Baseline MPRS design
- Develop code
- System test
- Prep UAT scripts
- Deliver code to SCS
- Prep FAT scripts
- Test Support
- Execute FAT
- Execute UAT/PIT
- Complete DBT

Migration DBT Production interfaces

- Align design
- Impact Assessment
- Baseline MPRS design
- Develop code
- System test
- Prep UAT scripts
- Deliver code to SCS
- Test Support
- Prep FAT scripts
- Execute FAT
- Execute UAT/PIT
- Complete DBT

MHHS

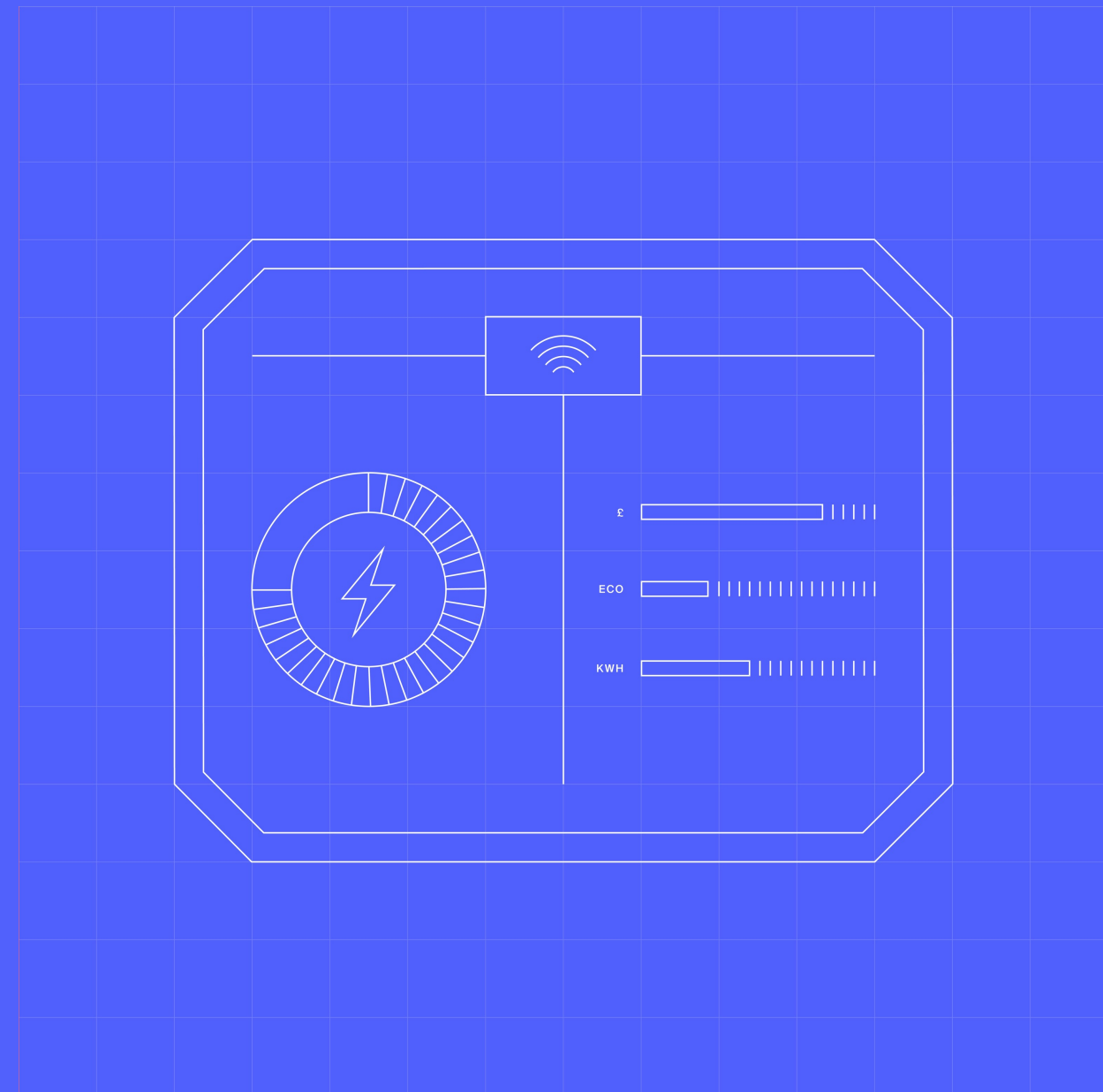**R82/83**

- System test
- Test Support
- UAT
- Complete Stage 0 DBT

Summary and next steps

INFORMATION: Summarise actions and decisions. Look ahead to next meeting

Chair and Secretariat

5 mins

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1. **Confirm actions and decisions from meeting**

2. **Date of next PSG: 01 February 2022 10:00 - 12:00**

Main agenda items	Standing items
• Progress updates: Programme replan, Design Work-Off Plan and migration design • CR013 Commercial Impacts decision • Updated Benefits Realisation Plan for decision • LDSOs (DNOs/iDNOs/St Clements) DBT delivery plan update • Qualification testing update (Elexon) – to March(?) • DIP update • M9 status – central parties + SIT participation(?) • Working group attendance	• Minutes and action review • Sponsor update • Programme dashboards • Summary and next steps

If you would like to propose an agenda item for the PSG, please contact the PMO at PMO@mhhsprogramme.co.uk

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When is a CR required when fundamental changes are made to key documents (eg TOM/AWG)?

Some examples:

- <u>Reverse Migration</u>
  - Explicitly ruled out in TOM but decision made to include without a CR (even though MWG slides say CR needed).

- <u>24/7 Operation</u>
  - Nothing in TOM/AWG explicitly states whether systems need to operate 24/7 or not. Open to interpretation. CR needed to determine requirement.

- <u>Connection to DIP</u>
  - PULL/PUSH approaches both included in AWG but the PULL option now removed without a CR being required. This effectively "forces" use of Adapter for Parties (DUoS billing) that don't need 24/7 real time data.

M5 Work-Off Plan Design Artefact Review

- Documents sent out for review were not change marked and were also password protected. This made reviewing them very difficult and with risk. When this issue was raised again in December it was resolved within 24 hours by Smitha – much appreciated

- "MHHSP DES207 - Change Control Log - Work Off Plan" – does not contain all the changes made to following documents (therefore don't know why changes made and unable to link back to work-off plan)
  - ISD (Industry Standing Data)
  - Operational Choreography
  - Interface Catalogue

- For note: 29 work-off items affect MPRS:
  - 16 are closed – development can proceed
  - 13 are not completed with new comments, missing updates, not covered in work groups now requiring a CR
  - "not completed" could reduce if the Change Control Log was definitive