



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

Programme Steering Group #11

10 August 2022

Version 1.0

MHHS-DEL538

Document Classification: Public

Agenda

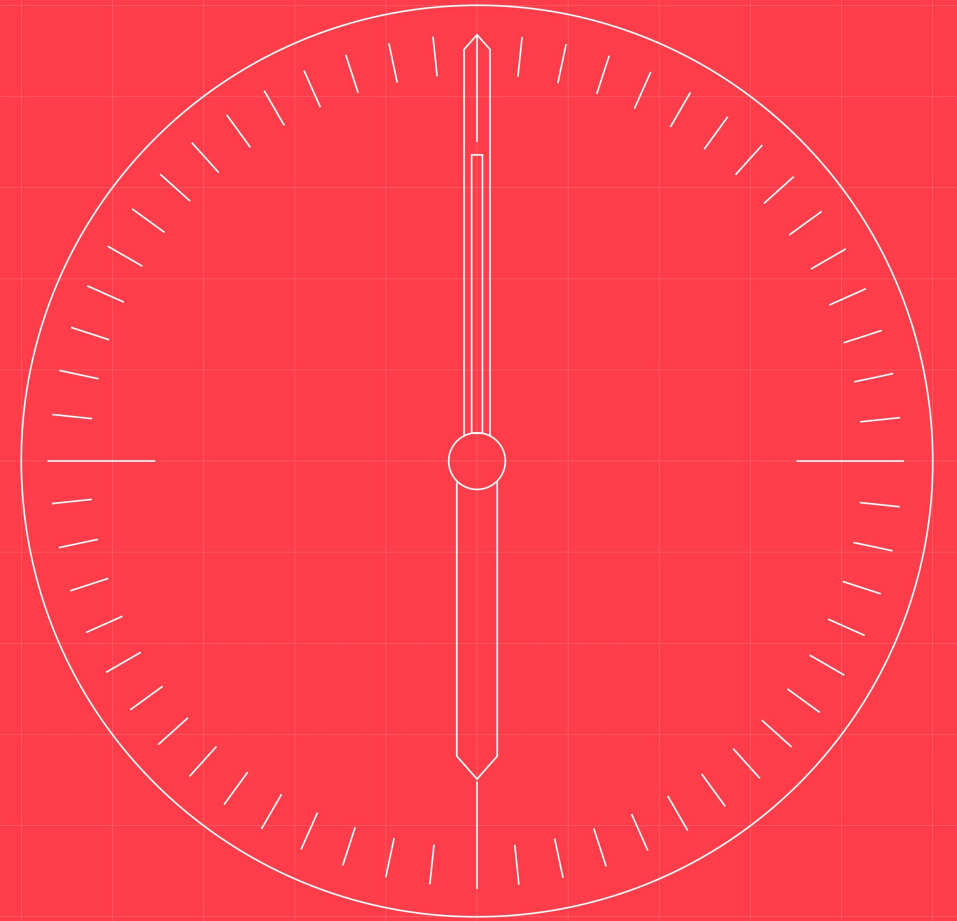
| # | Item | Objective | Type | Lead | Time | Page |
|----|---------------------------------------|---|-------------|---|-------------------------------|------|
| 1 | Welcome | | | Chair | 10:00-10:05 <i>5 mins</i> | |
| 2 | Minutes and actions review | Approve July minutes. Update on actions, closing where appropriate | Decision | Chair and Secretariat | 10:05-10:10 <i>5 mins</i> | 3 |
| 3 | Updated interim plan | Present the updated interim plan, including how it addresses a recent Large Supplier Change Request, for PSG approval (approval subject to PSG and Ofgem decision on CR009) | Decision | Programme | 10:10-10:20 <i>10 mins</i> | 6 |
| 4 | Central Systems delivery plans | Provide an overview of Helix and DCC delivery plans and progress against them | Information | Helix and DCC Representatives | 11:20-11:35 <i>15 mins</i> | 11 |
| 5 | Programme re-plan | Update on progress of the first re-plan consultation and share next steps | Information | Programme | 10:35-10:45 <i>10 mins</i> | 16 |
| 6 | CR009 decision | Review outputs of Impact Assessment for CR009. Make a decision on a recommendation to submit to Ofgem for whether to approve or reject the Change Request | Decision | Chair | 10:45-11:00 <i>15 mins</i> | 19 |
| 7 | Key Programme Issues | Review key issues and their action plans and owners: <ul style="list-style-type: none"> • MP162 approval • Migration approach | Discussion | Programme | 11:00-11:20 <i>20 mins</i> | 20 |
| 8 | IPA Baseline Health Check | Present an executive summary of the Independent Programme Assurer (IPA) Baseline Health Check | Information | IPA (Richard Shilton) | 11:20-11:30 <i>10 mins</i> | 22 |
| 9 | Design progress | Provide an update on design status and next steps | Information | Programme (Chris Harden/Justin Andrews) | 11:30-11:35 <i>5 mins</i> | 24 |
| 10 | Delivery dashboards | Take questions from PSG members, highlighting dPMO is now available | Information | Chair | 11:35-11:45 <i>10 mins</i> | 32 |
| 11 | Summary and next steps | Summarise actions and decisions. Look ahead to September PSG | Information | Chair and Secretariat | 11:45-11:50 <i>5 mins</i> | 46 |
| | Attachments | <ul style="list-style-type: none"> • Attachment 1: CR009 Impact Assessment summary report | | | | |

Minutes and Actions Review

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

Chair and Secretariat

5 mins



Minutes and Actions Review (1 of 2)

1. **Approval of Minutes** from PSG 06 June 2022 ([PSG Meeting Minutes - 06 July 2022](#)) and extraordinary PSG 14 July 2022 ([PSG Meeting Minutes - 14 July 2022](#))
2. **Open Actions and Actions from PSG 06 July 2022 and 14 July 2022** (actions will be discussed by exception. Please review the action updates ahead of the meeting)

| Ref | Date | Action | Owner | Due Date | Status | Latest Update |
|----------|------------|---|--|---|------------------|---|
| PSG01-06 | 10/11/2021 | Programme to provide a more detailed understanding of the transition (programme) plan to programme participants. | Programme PMO | Qtr2 2022 (part of rebaselining exercise) | Recommend closed | Information to be provided in re-plan walkthroughs scheduled during first re-plan consultation. Further information to be shared throughout the remainder of re-plan activities |
| PSG07-04 | 04/05/2022 | Provide bullet points to the PMO on any additional support requested (above that already provided) by constituency members from the Programme that would further enable mobilisation and ensure Programme Participants are ready for their DBT | PSG Constituency Reps | 10/07/2022 | Recommend closed | Re-opened at July PSG. No feedback received to PMO or via Programme advisory/working groups |
| PSG08-05 | 08/06/2022 | 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 | To be addressed at Control Point 1 |
| PSG09-01 | 06/07/2022 | Meet to discuss consequential change | Chris Harden, Small Supplier Rep (Andrew Campbell) | 10/08/2022 | Closed | Meeting held and CC items clarified/raised |
| PSG09-02 | 06/07/2022 | Action PSG-DEC16 including: <ol style="list-style-type: none"> 1) Create a new Change Request to cover the M3 and M5 proposal presented to PSG. Raise to the Programme Change Control process ready for extraordinary PSG. 2) Schedule an extraordinary PSG for 14 July 2022 to make a decision whether or not to raise this Change Request for Impact Assessment. 3) Adjust August PSG date to allow for any Impact Assessment window | Programme (Keith Clark, PMO) | 10/07/2022 | Closed | CR009 created and discussed at extraordinary PSG 14 July 2022. CR009 subsequently raised to Impact Assessment on 15 July 2022 with outputs for review in PSG 10 August 2022 |

Minutes and Actions Review (2 of 2)

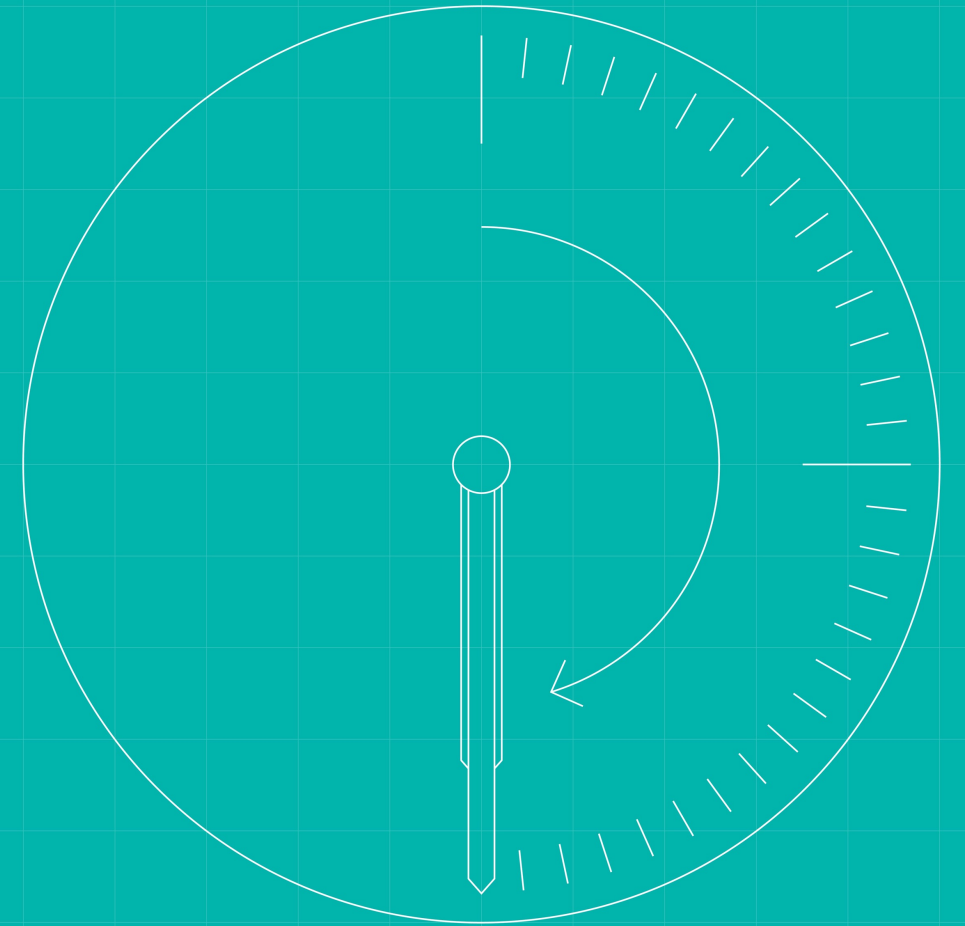
| Ref | Date | Action | Owner | Due Date | Status | Latest Update |
|----------|------------|--|---|-------------------------------------|----------------|---|
| PSG09-03 | 06/07/2022 | Meet to discuss Large Supplier concerns relating to the re-plan approach | Keith Clark, Large Supplier Rep (Graham Wood) | 10/08/2022 | Closed | Meeting held 12 July 2022 with outputs raised at extraordinary PSG 1 on 14 July 2022. Further outputs to be discussed under agenda item 5 |
| PSG09-04 | 06/07/2022 | Undertake a 'lessons learned' exercise following resolution of the MP162 approval risk | Programme, and relevant parties | Following resolution of MP162 risks | Open - ongoing | To be scheduled following Ofgem final decision as part of Control Point 1 |
| PSG09-05 | 06/07/2022 | Schedule enduring PSG pre-meeting webinars | Programme (PMO) | 20/07/2022 | Closed | Enduring PSG pre-meeting webinars scheduled for 1130-1200 on the Thursday preceding each PSG |
| PSG10-01 | 14/07/2022 | Update CR009 with feedback from PSG (e.g. inclusion of RA2 timescales, context for the transition design) and issue for industry Impact Assessment | Programme (Keith Clark, PMO) | 15/07/2022 | Closed | CR009 updated and raised to Impact Assessment on 15 July 2022 |

Updated interim plan

DECISION: Present the updated interim plan, including how it addresses a recent Large Supplier Change Request, for PSG approval (approval subject to PSG and Ofgem decision on CR009)

Programme

10 mins



Update on CR010 - a Change Request raised by Large Suppliers

A Change Request CR010 was raised to the Programme by Large Suppliers to add a third re-plan consultation following M5 and include the full re-plan review in formal governance. CR010 was discussed at Change Board on 28 July and the Change Raiser agreed to conditionally withdraw the Change Request

CR010 overview

Proposal to include the Full Plan Review PM2 activity within Programme Governance

This change request proposed to:

- **Introduce a further short (10 working-day) Industry Consultation period (IC3) to be subsequently undertaken immediately after milestone M5 has been approved** (in early November 2022 on the assumption that M5 is achieved on or before 31 October 2022). This would maintain the principle of concluding the Full Plan Review once the full design was scheduled to be approved, as per the 11 August 2021 Ofgem decision and CR001. The remaining activities relating to the re-plan would continue as per the interim plan, but with timeframes adjusted.
- **To formally bring PM2 within Programme governance**, as per previous recommendations from Ofgem

Justification for change:

- The Large Supplier Constituency remains of the view that in order to ensure the programme develops and ultimately approves a credible replan that can achieve cross-market support and buy-in, the Full Plan Review consultation period cannot be concluded until a point after the design baseline has been approved. It is essential for programme parties to fully understand the approved design baseline before finally committing to their views on the Full Plan Review
- To be consistent with the approach that was going to be undertaken by the programme following the approval of CR001 and Ofgem decisions (including in the transition timetable). A Change Request has not subsequently been progressed to amend the date of the PM2 Full Plan Review activity, further to these recommendations
- To ensure clarity and certainty of the Full Plan Review arrangements, how these are appropriately orchestrated alongside other key programme milestones and ensuring that this activity is conducted in line with existing principles. This is essential to delivering a robust and credible replan output and ensuring market-wide confidence and buy-in
- The importance of approving a credible, revised programme plan has been recently proven by the Faster & More Reliable Switching Programme (FMRS), which underwent a similar replanning exercise in August 2020 and whom are now seeing the rewards of this with a smooth glidepath towards implementation in July 2022

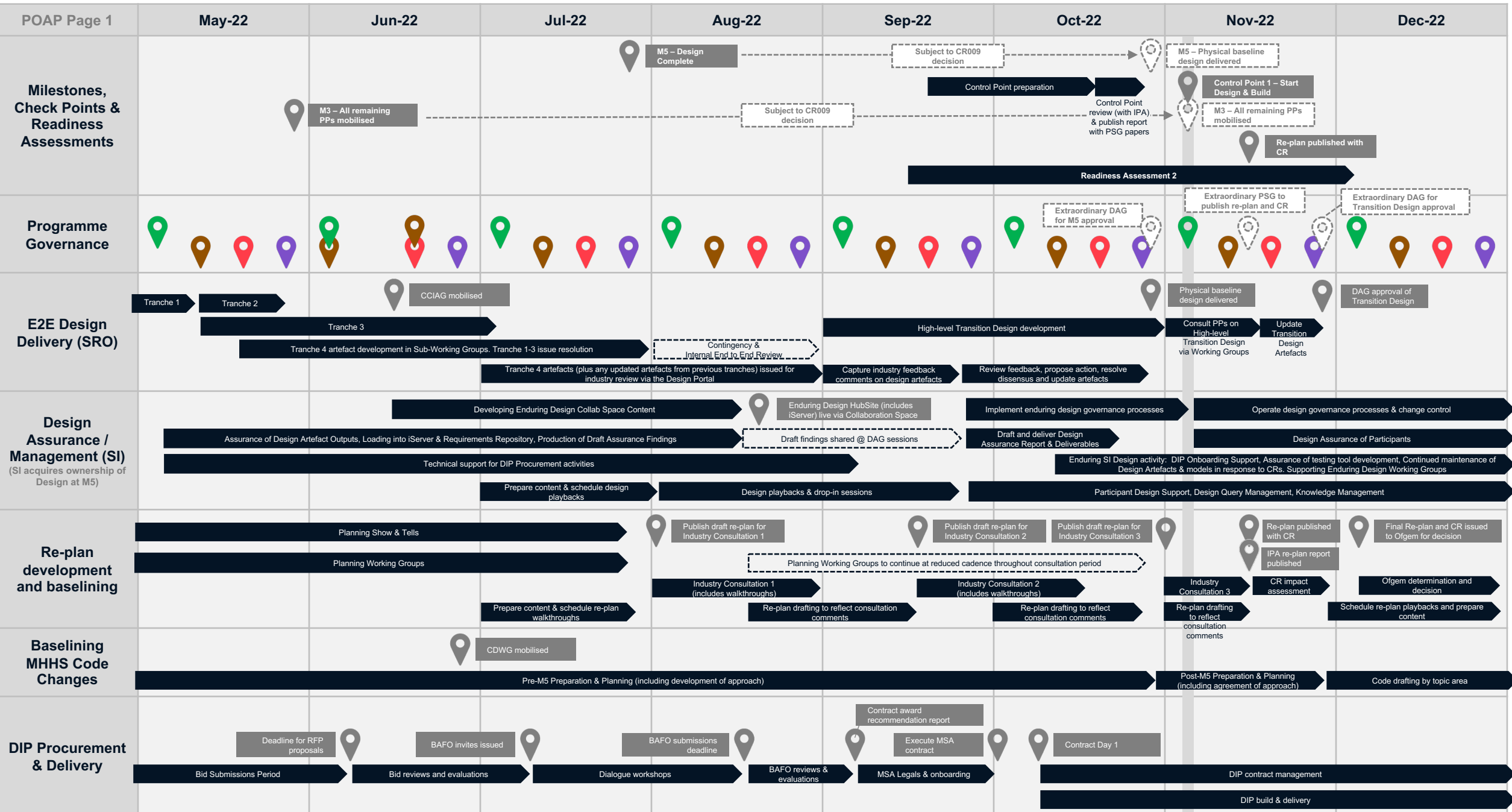
MHHS Change Board outcomes

An extraordinary Change Board was convened on 28-July-22 to validate Change Request CR010

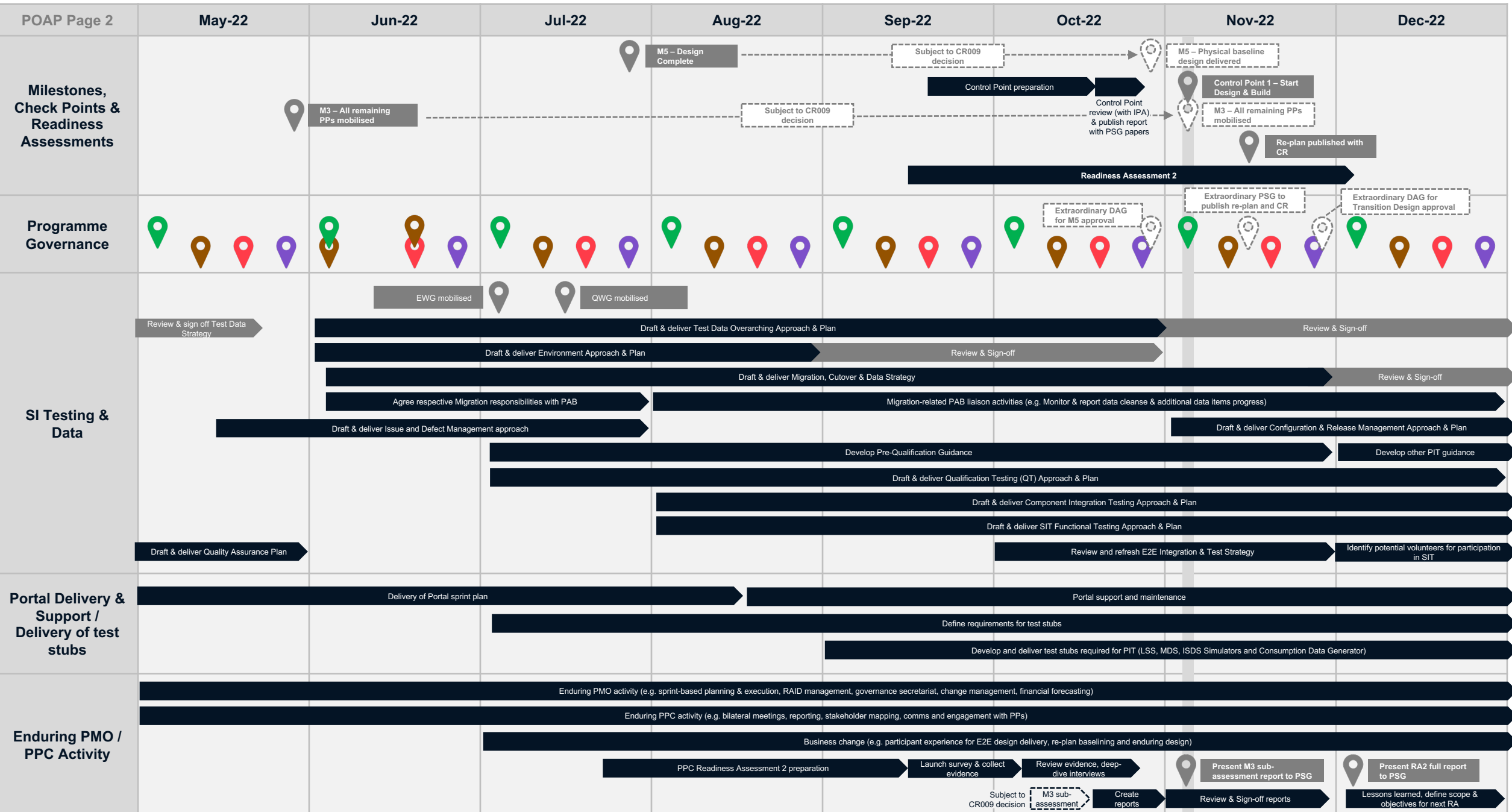
Change Raiser, Graham Wood (Large Supplier Constituency) agreed with Change Board to withdraw CR010 on the basis of two conditions:

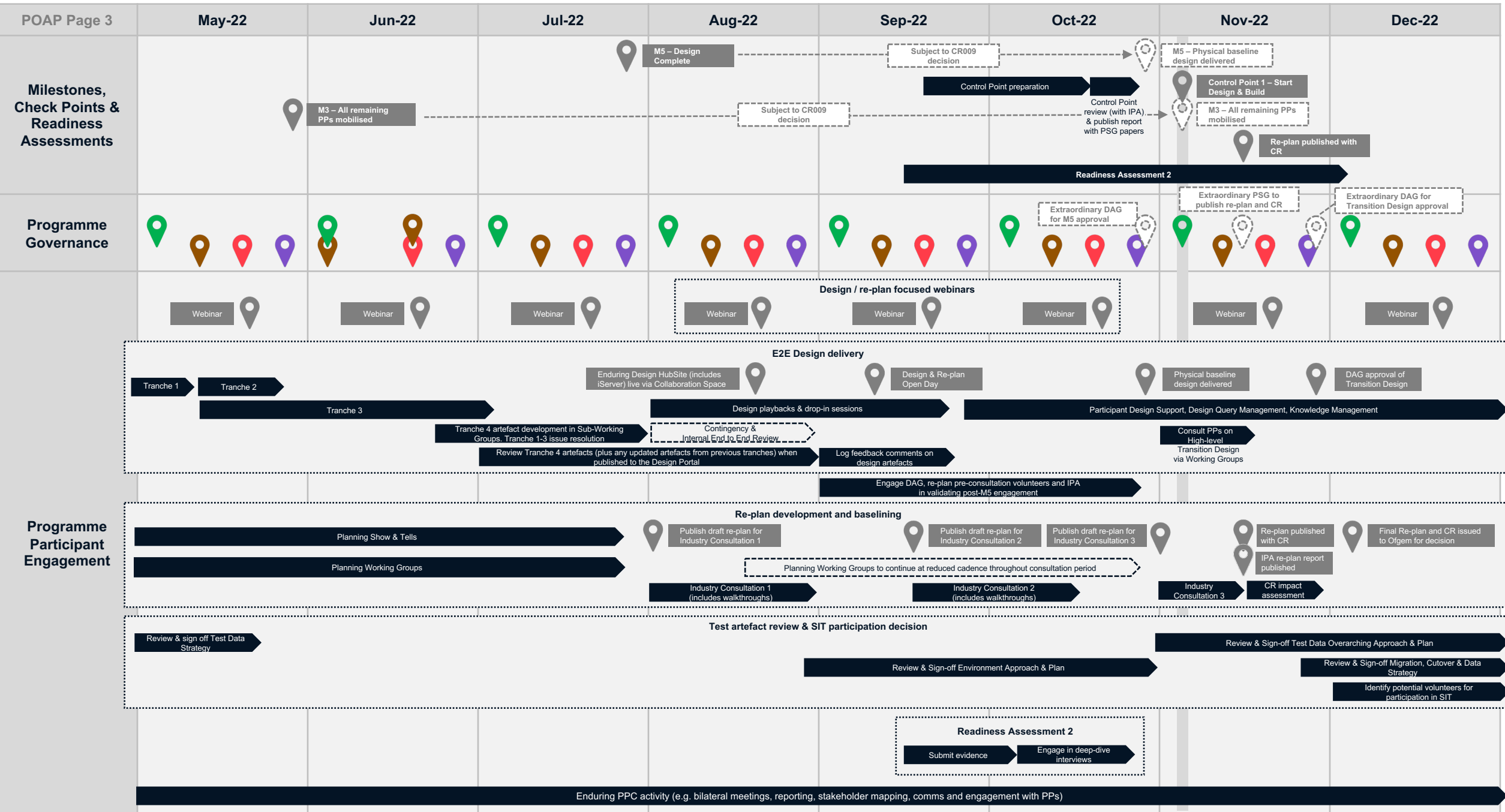
1. An overview of CR010 and update on the outcome of Change Board is shared with PSG in August for consideration (*as presented here*)
2. A further 10 working-day Industry Consultation period (IC3) is subsequently undertaken immediately after milestone M5 has been approved (in early November 2022, on the assumption that M5 is achieved on or before 31 October 2022). This consultation should be included in the Programme Interim Plan and agreed at PSG.

Consultation Period IC3 has since been adopted into the Interim Plan (see slides 8-10). The intention is for CR010 to be formally withdrawn following PSG, subject to approval of the interim plan



Indicative dates
 Key dates
 PSG
 DAG
 TMAG
 CCAG



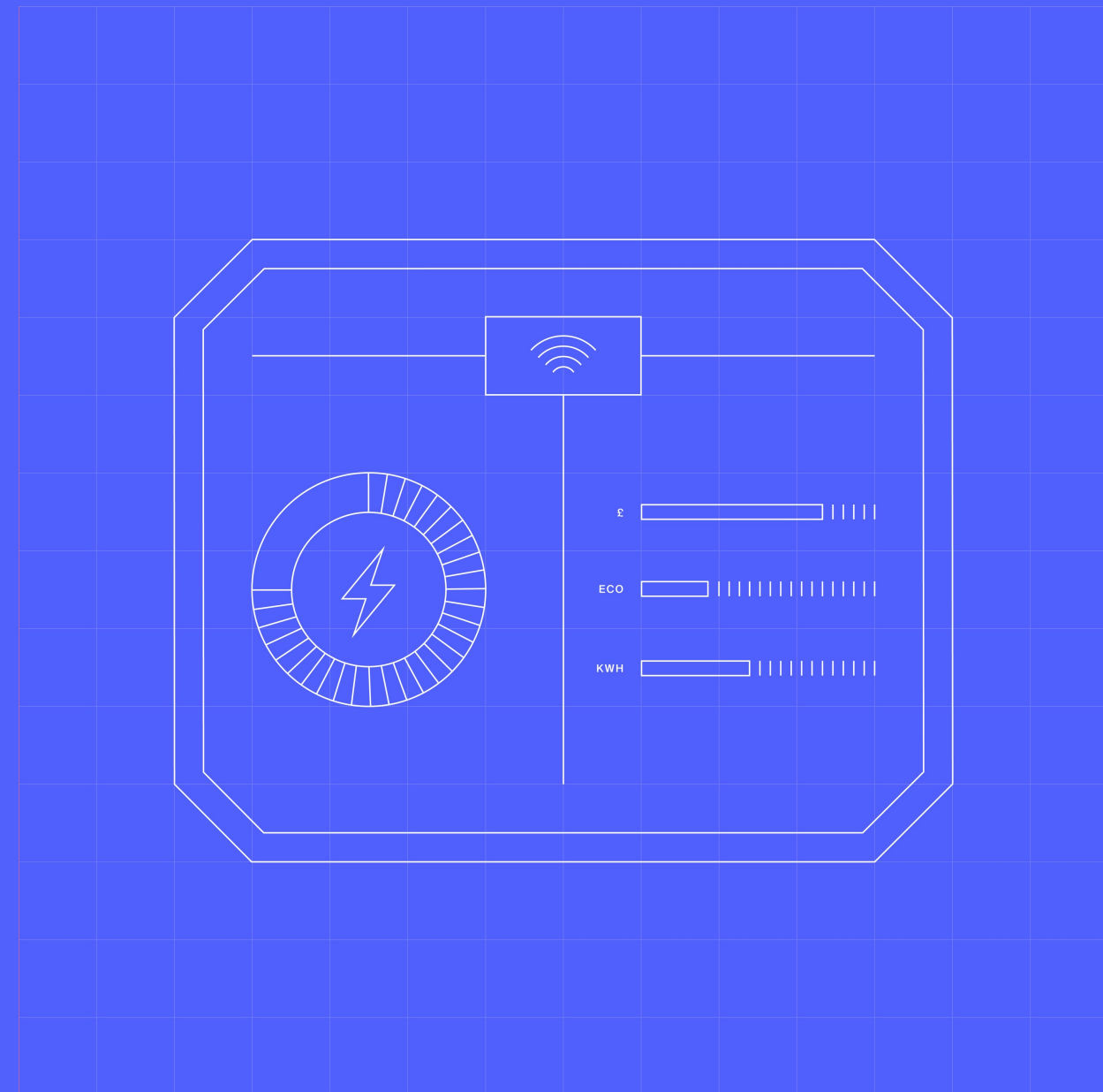


Central Systems delivery plans

INFORMATION: Provide an overview of Helix and DCC delivery plans and progress against them

Helix and DCC Representatives

15 mins

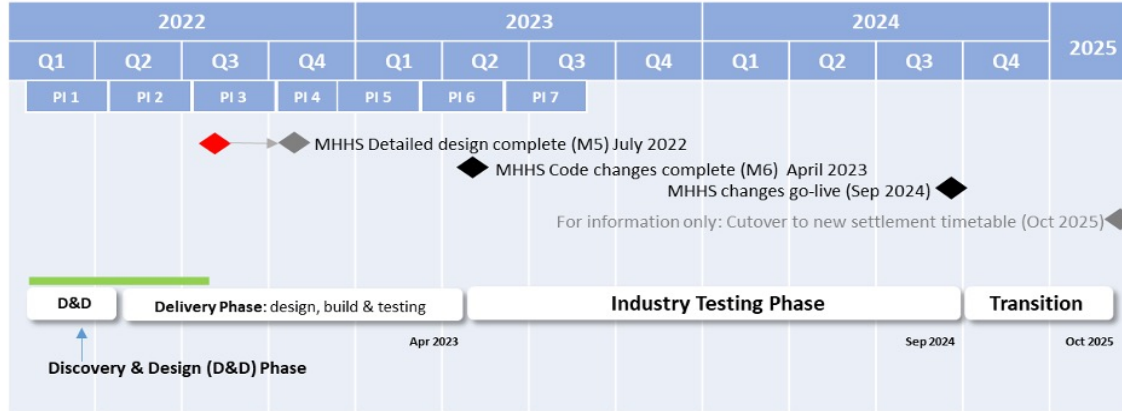


Helix Programme Objectives: To deliver the Market-wide Half Hourly Settlement (MHHS) changes to Elexon’s systems and processes ready for MHHS go-live in October 2024.

Overall Status



Programme fully mobilised. On track to deliver against the original MHHS plan. Good progress with the Delivery Phase. Delays with MHHS design may result in re-work impacting Helix timeline and budget.

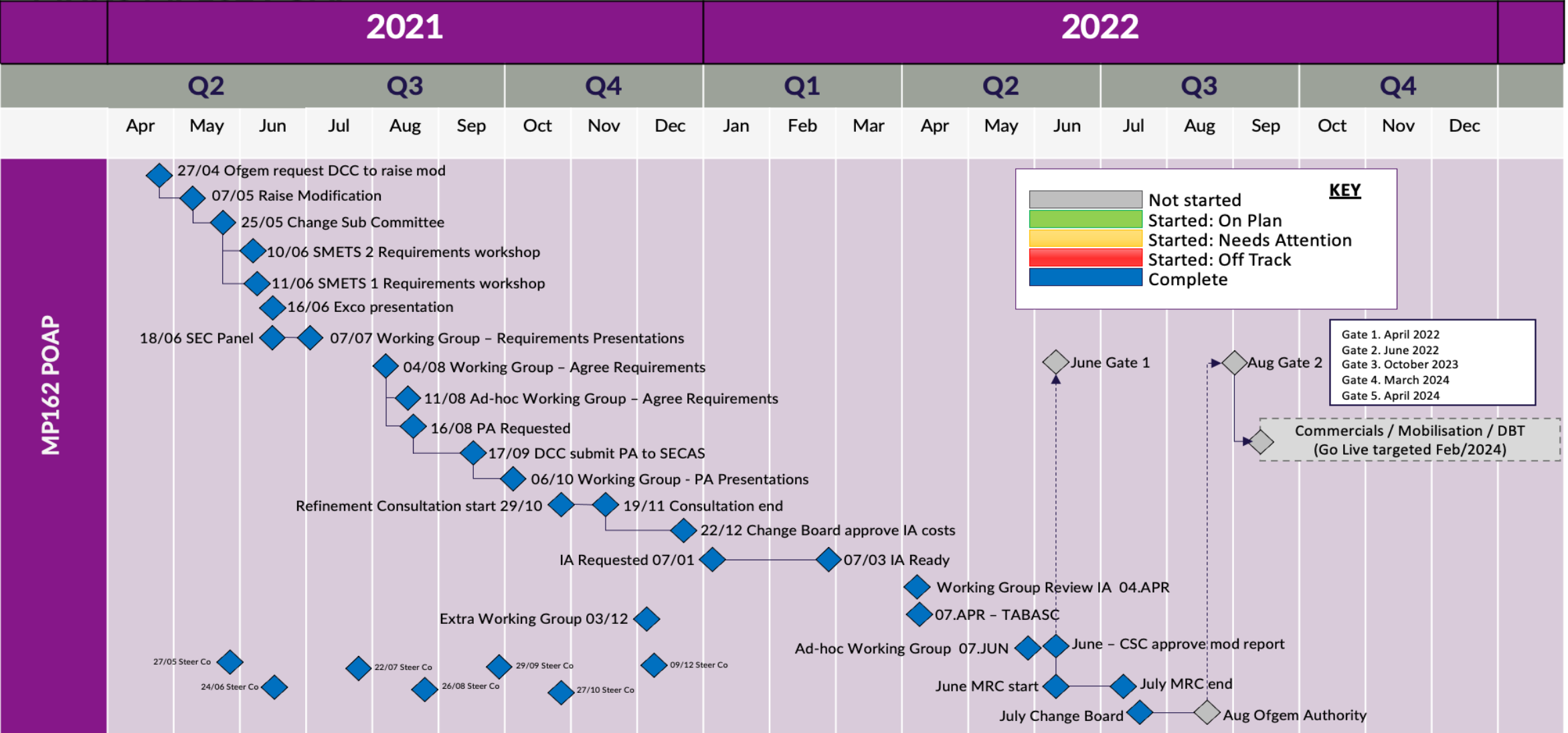


| Milestone | Baseline Date | Status |
|-------------------------------|---------------|-------------|
| Programme mobilised | 17/01/2022 | Complete |
| Discovery & Design phase | 22/04/2022 | Complete |
| Delivery phase start | 20/04/2022 | Complete |
| Delivery phase ends | 28/04/2023 | Impacted |
| Industry testing phase starts | 01/05/2023 | Not Started |
| Industry testing phase ends | 27/09/2024 | Not started |
| Helix changes go-live | 30/09/2024 | Not started |
| Transition phase starts | 30/09/2024 | Not started |
| Transition phase ends | 26/09/2025 | Not started |

- Programme mobilisation completed 17 January
- The 3 month Discovery & Design phase completed successfully on 19 April
- Now 4 months into the Delivery phase where we are iteratively building & testing the changes for the new MHHS services
- Good levels of agile maturity, progress and collaboration between the programme teams (3 suppliers)
- The recent programme wide solution demo has shown working software across the teams which is a real indicator of progress
- End of the delivery phase will be impacted by the delays to MHHS requirements & design completion which could result in re-work impacting timeline and budget. Impacts will be confirmed via the MHHS re-plan
- In parallel with the Helix Delivery phase we continue to support the MHHS requirements & design activities

MHHS MP162 POAP

DCC Controlled



KEY

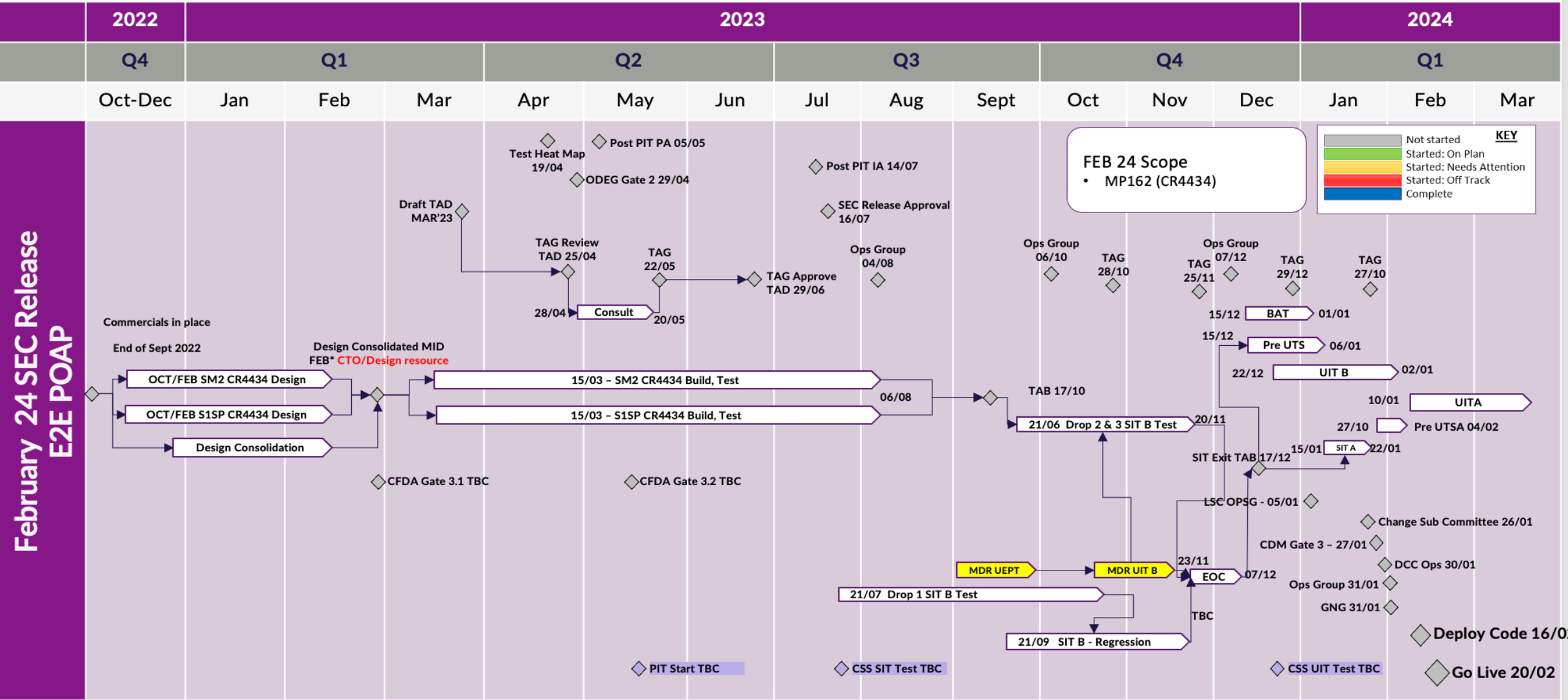
- Not started
- Started: On Plan
- Started: Needs Attention
- Started: Off Track
- Complete

Gate 1. April 2022
 Gate 2. June 2022
 Gate 3. October 2023
 Gate 4. March 2024
 Gate 5. April 2024

Commercials / Mobilisation / DBT
 (Go Live targeted Feb/2024)

MHHS MP162 E2E Plan on a Page (Work in Progress)

February 24 SEC Release E2E POAP



3. Progress Update

| | Overall | Schedule | Financial | Quality | Benefits | Resourcing | Risks & Issues | Stakeholder |
|------------|---------|----------|-----------|---------|----------|------------|----------------|-------------|
| This Month | A | A | G | G | G | G | G | G |
| Last Month | G | G | G | G | G | G | G | G |

Status Summary

- Change Board concluded. MP162 has been rejected. Decision now with Ofgem.
- REC Programme engaged to deliver the dependencies required by MHHS design.

Next Steps

- Work on impact on MHHS Plan and wider DCC Portfolio if there is a delay to Ofgem decision and or mod rejected
- Briefing of key stakeholders
- Review revised MHHS Industry Plan when issued and consequences on DCC

| Milestones / Phases | Forecast Date | RAG |
|----------------------------|---------------|-----|
| Consultation Period End | 23/05/2022 | B |
| Ad-Hoc Working Group | 07/06/2022 | B |
| Change Sub-Committee (CSC) | 21/06/2022 | B |
| Change Board vote | 27/07/2022 | B |
| Ofgem Authority obtained | 31/08/2022 | G |

Decision required today

No decision required.

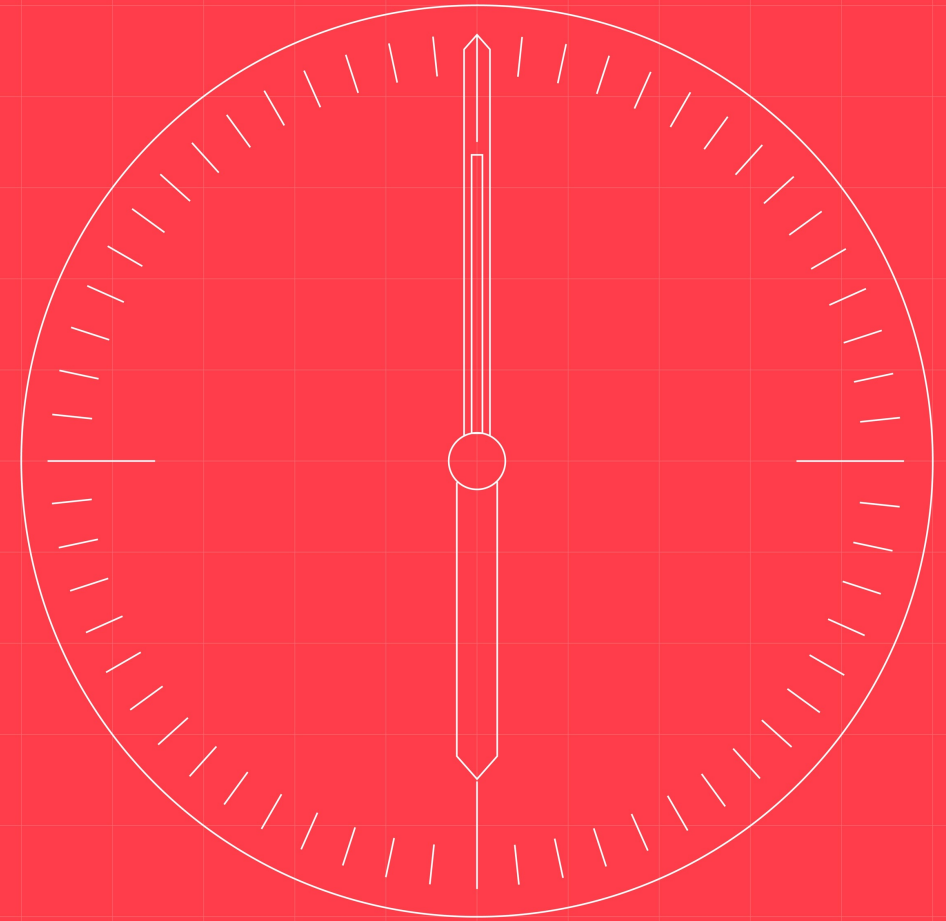
| ID | Description | RAG | Trend | Next Mitigation / Resolution Action | Owner | Resolution Date |
|-------|--|-----|-------|---|------------|-----------------|
| R4255 | As a result of changing the implementation date from what is currently in the requirements, there is a risk that there are contentions leading to prioritisation by DCC at Portfolio level | | | 1. Carry out a Portfolio level impact assessment of the revised plan together with an updated cost to risk profile. | <u>RMc</u> | Aug-22 |

Programme re-plan

INFORMATION: Update on progress of the first re-plan consultation and share next steps

Programme

10 mins



Programme Re-Plan (Introduction)

Objectives of this re-planning exercise:

- To fully consult on and assess ways to ensure that the plan is set up to see MHHS implemented as early as possible and preferably no later than the date set out in the existing Transition Timetable
- To form a baseline Programme plan that can be approved by Ofgem - on the basis of a weight of agreement from Programme participants that the plan is credible, robust, achievable, and measurable.

By:

- Working with industry to develop the plan – not imposing a plan on industry

The plan as it is so far:

- This draft is a working plan based on information available to MHHSP at the time of drafting. It has not been approved by Ofgem. It is an imperative to challenge and validate all assumptions in the draft with the aim of securing the earliest possible robust implementation date.
- The plan review process is designed to arrive at a credible, robust, and achievable plan that sees MHHS implemented as early as possible and preferably no later than the date set out in the existing Transition Timetable, which all programme parties are currently required to operate in accordance with.
- The programme looks forward to working with parties to challenge and identify opportunities to shorten the overall timelines in this plan in order to secure a swift introduction of MHHS and to allow the generation of the benefits that MHHS will bring, in particular for customers and in supporting broader activity to drive towards net zero.

The Consultation Process

- The consultation questions provided during this process are intended to ensure that enough information is collected and subsequently considered, so that the plan is indeed developed ‘with industry’, rather than ‘imposed by the programme team’. Therefore, there are more questions that might otherwise be expected. Please take the time to provide high quality inputs.
- The quality of the re-baselined plan will be strongly influenced by the effort that respondents apply, in answering and providing the thinking and detail requested. Without such input from participants, we cannot expect a delivery plan that is credible, robust, achievable, and measurable.

| | Dates | Level of artefacts | Objectives |
|---|------------------------|------------------------|--|
| Pre-consultation (volunteers) | May-22 to Jul-22 | Various | <ul style="list-style-type: none"> • This process was based on contributions of volunteer PMs from participants and aimed to work with MHHSP on ‘left-to-right planning’, to remove major uncertainties where possible and to ensure that planning documents going out for formal consultation are more likely to be useable and helpful to participants in consultation |
| Round 1 | 01-Aug-22 to 26-Aug-22 | High-level | <ul style="list-style-type: none"> • To improve consensus on the high-level plan structure, activity durations and sequencing – without focus on absolute dates • To test high-level assumptions and related risks |
| Round 2 | 12-Sep-22 to 07-Oct-22 | Detailed | <ul style="list-style-type: none"> • Scrutiny and consultation on a full, draft programme plan including all activities, activity durations, milestones and dates, sequencing and dependencies – and a full RAID summary |
| Round 3 (subject to approval by PSG) | 31-Oct-22 to 11-Nov-22 | Detailed, final drafts | <ul style="list-style-type: none"> • Make a final check on the developed plan to maximise confidence in it <p><i>Round 3 added to allow for a period 2 weeks after the core MHHS design being approved by 31-Oct-22 (M5)</i></p> <p><i>Round 3 has been added in response to a request from some participants, and this is being accommodated with the revised interim plan, subject to approval by PSG in August</i></p> |

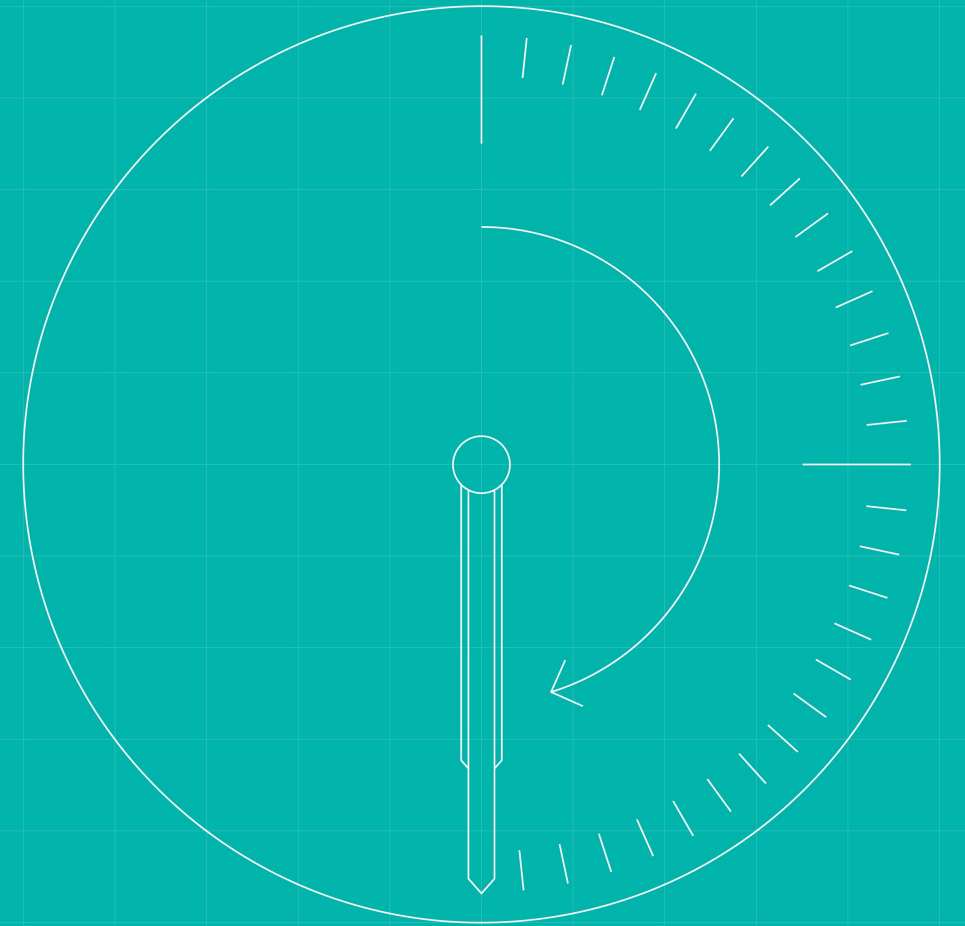
CR009 decision

Please refer to Attachment 1

DECISION: Review outputs of Impact Assessment for CR009. Make a decision on a recommendation to submit to Ofgem for whether to approve or reject the Change Request

Chair

15 mins



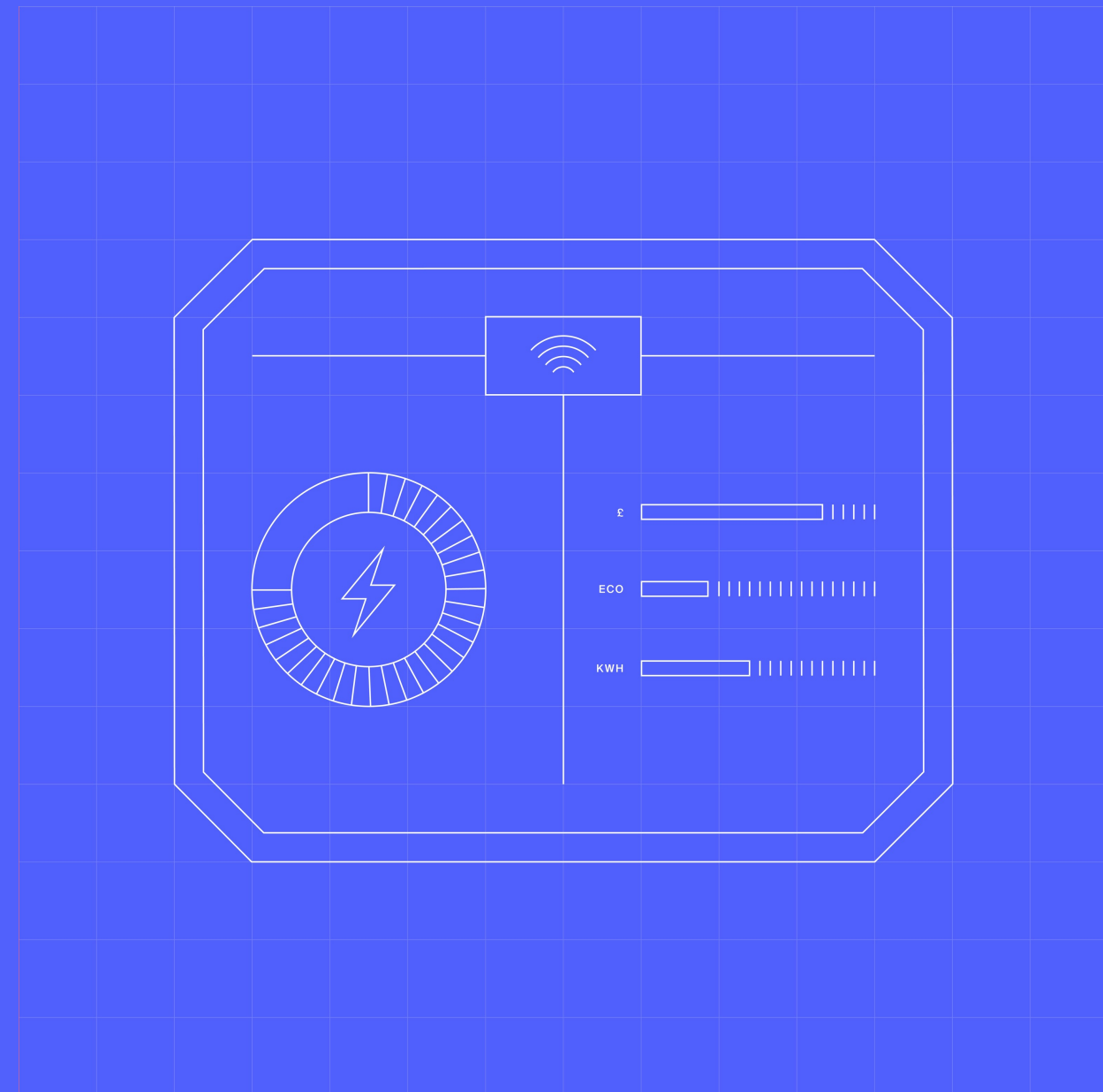
Key Programme Issues

DISCUSSION: Review key issues and their action plans and owners:

- Migration approach
- MP162 approval

Programme

20 mins



Key Programme Issues

There are currently two key issues for the Programme, each of which have previously been captured, monitored and managed as risks: (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.

These risks have now developed into critical issues which will require the inputs from a number of groups to resolve. Further details for each issue are outlined below.

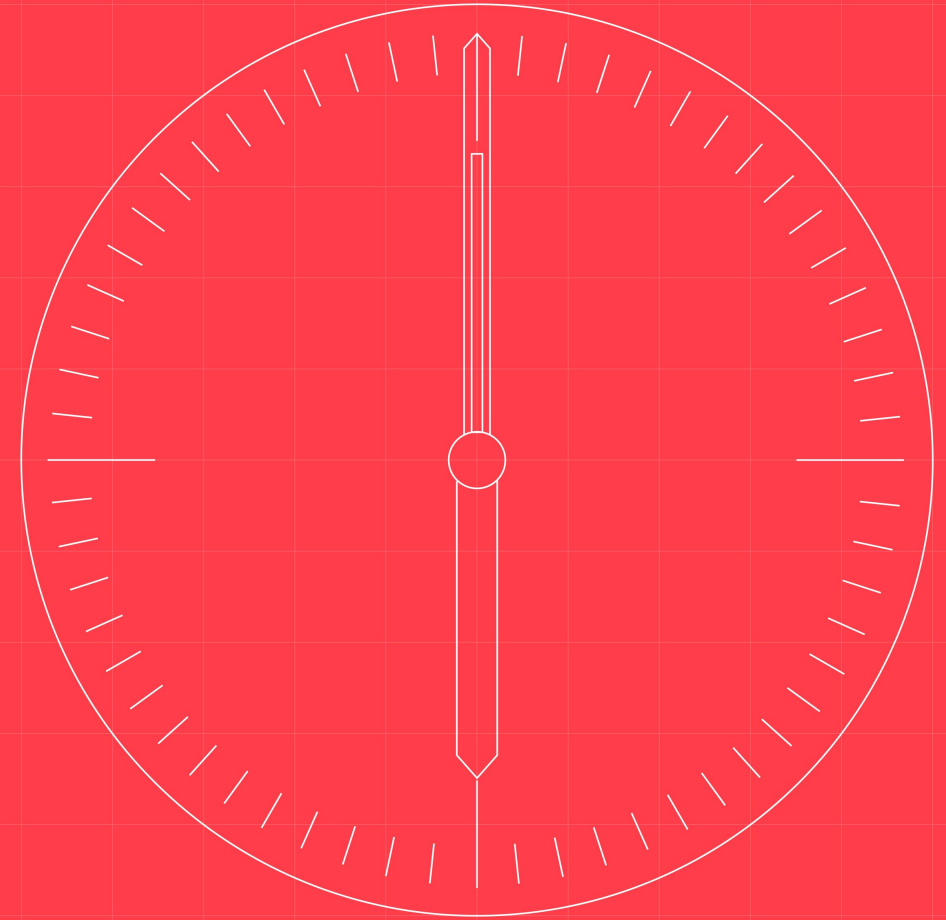
| Key Issues | Impact | RAG | Current Actions | Proposed Actions | Owner(s) |
|---|--|-----|---|---|--|
| <p>1. MP162</p> <p>SEC Change Board has recommended Ofgem reject the currently proposed solution for SEC Mod MP162.</p> | <ul style="list-style-type: none"> Delay to approval of SEC Mod MP162 as defined is likely to cause delay to DCC delivery of MHHS changes and therefore could impact the Programme's readiness to commence SIT, which would impact the overall Programme timelines. This could lead to SEC Mod P162 solution being revisited to address any reasons for rejecting Mod P162 with subsequent redesign, Impact Assessment, Modification Processing and revised implementation date for SEC Release Any change to the SEC Mod MP162 solution will need to be assessed for impact on the MHHS design and could result in further MHHSP change. | RED | <ul style="list-style-type: none"> The Programme discussing implications with Ofgem, IPA, DCC and SECAS, IPA and to agree next steps to mitigate impact Ongoing engagement with SEC through programme attendance at MP162 governance groups and SEC representatives attendance at DAG for any MP162 discussions. | <ul style="list-style-type: none"> Agree next steps for SEC Mod P162 following SEC Change Board recommendation to reject Assess the impact of any agreed next steps on the Programme (in terms of scope, design and plan). Ofgem to make a future decision on SEC Mod P162 or any alternative solution | <ul style="list-style-type: none"> MHHS Programme Ofgem SECAS DCC IPA |
| <p>2. Migration</p> <p>The existing migration approach is currently not achievable.</p> | <ul style="list-style-type: none"> This will impact the Programme's ability to utilise early adopters, as there are outstanding questions relating to the Ofgem timetable and the (later) CCDG guidance – which are not fully aligned regarding how migration can happen in the period between M12 and M14 This would also impact the Programme's ability to finalise the re-baselined plan (unless it is agreed that significant assumptions remain in the plan at that point). | RED | <ul style="list-style-type: none"> The Programme and Ofgem to agree in principle on the best option to allow migration to begin - and what this could mean for the approach in reaching M14 The Programme to confirm the delivery plan for the Transition / Migration Design (this will not part of baseline design at M5) MWG / TMAG and Planning Working Group to align on related detailed planning and planning assumptions. | <ul style="list-style-type: none"> The Programme to explore the options for a 'Revolving Door' (reverse migration) approach to migration – and other options to minimise consumer disruption but at the same time minimise risk of delay to starting migration Subject to the above, Programme Participants will need to impact assess their position for adopting any preferred approach | <ul style="list-style-type: none"> MHHS Programme Ofgem All Participants |

IPA Baseline Health Check

INFORMATION: Present an executive summary of the Independent Programme Assurer (IPA) Baseline Health Check

IPA (Richard Shilton)

10 mins



IPA Baseline Health Check

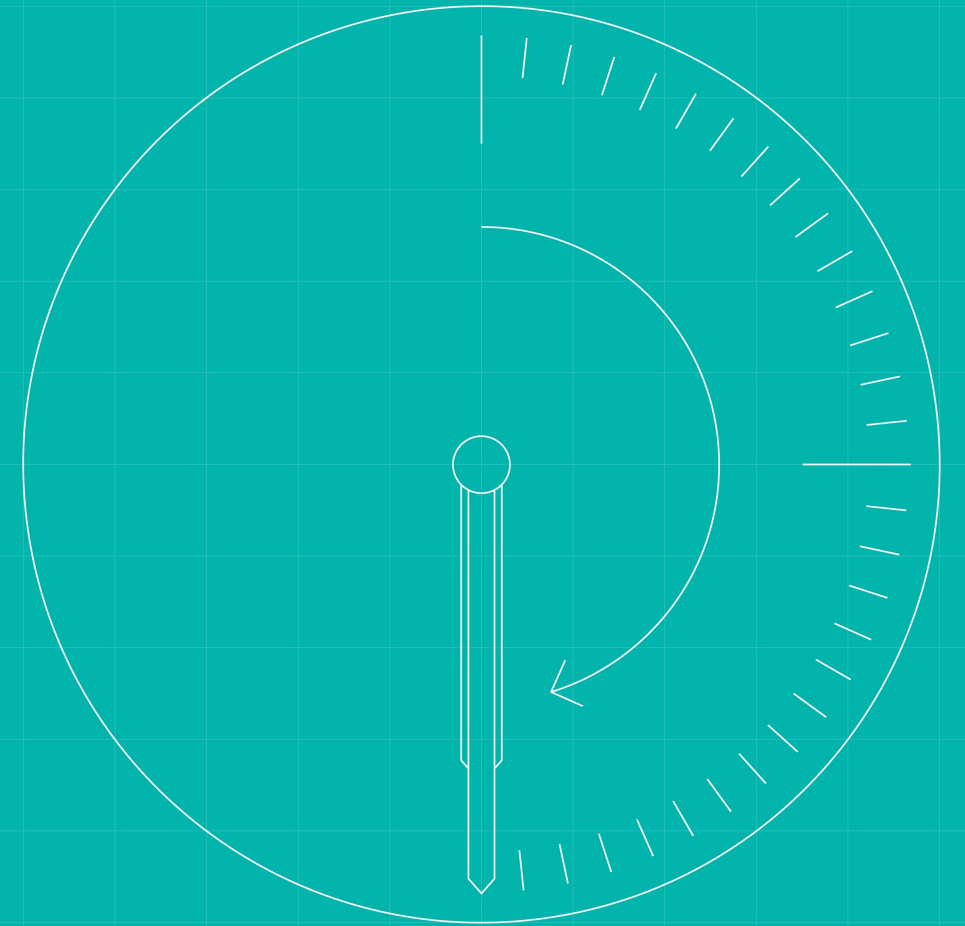
Content to follow shortly and in advance of PSG

Design progress

INFORMATION: Provide an update on design status and next steps

Programme (Chris Harden/Justin Andrew)

5 mins



MHHS Programme – Design progress update

27 July 2022

| | |
|----------------|--|
| Overall Status | <ul style="list-style-type: none"> Tranche 4 and amended Artefacts from Tranche 1-3 <ul style="list-style-type: none"> 18 Tranche 4 artefacts have been published (Status per Artefact is reported on the Design Collaboration Base) Remaining 27 Tranche 4 Artefacts will not be published on 29 July due to additional sub-working group meetings taken place to validate the approach for Interface format and structure, and to come to a decision for Transfer of Reads and conclude Operational Choreography. The Artefacts are being updated following the outputs of these meetings which has delayed publication from 29 July to 8 August Tranche 1-3 conditionally approved Artefacts – A DAG summary report will be published on 8 August providing detail on the closing of the T1-3 design issues and dependencies, and signposting to changes in Artefacts that have been updated Signposting <ul style="list-style-type: none"> Guidance will be published on 1 August to assist Participants with understanding how the design Artefacts relate to each other and to the TOM, and will provide suggested priority processes and Artefacts per constituency – to support Participant focus of resources during the review process Playback sessions (Sessions include design overview, process walk-throughs, deep dive sessions and design surgeries) <ul style="list-style-type: none"> Sessions commence on 2 August 17 sessions are scheduled covering various topics, view schedule on MHHS website Recordings of sessions will be available for Participants who cannot attend Engagement (3 month rolling average) <ul style="list-style-type: none"> 38 engagement meetings: 12 working group meetings and 26 sub-working group meetings Attended by over 250 people representing 70 organisations |
|----------------|--|

| | |
|---------------------|--|
| August deliverables | <ul style="list-style-type: none"> Publishing signposting material – 01/08 Publish remaining Artefacts – 08/08 Publish DAG summary report (closure of T1-3 design issues) – 08/08 Conduct 12 playback sessions – throughout August |
|---------------------|--|

| Milestones | CR009 target date | Forecast date | Status |
|---|-------------------|---------------|----------|
| Tranche 1 - Conditional approval | N/A | N/A | Complete |
| Tranche 2 - Conditional approval | N/A | N/A | Complete |
| Tranche 3 - Conditional approval | N/A | N/A | Complete |
| Tranche 4 - Publish remaining T4 Artefacts and T1-3 amended Artefacts for industry review | 29/07 | 08/08 | Amber |
| Industry comments received | 16/09 | 16/09 | Green |
| MHHSP review comments and propose action | 30/09 | 30/09 | Green |
| Industry respond to MHHSP proposed action | 07/10 | 07/10 | Green |
| Resolve dissensus | 14/10 | 14/10 | Green |
| DAG baseline decision | 31/10 | 31/10 | Green |

| Risks / Issues | # | Risk or Issue (specific items or themes) | Mitigation | RAG |
|----------------|------|--|--|-------------|
| | R191 | There is a risk that the decisions required for MP162 could affect M5 timelines. | Sub-working group sessions have been held to quantify level playing field considerations. DAG sessions have been held to consider SWG output and agree additional requirements. Currently discussing findings with Ofgem | High risk |
| | R193 | There is a risk that the decisions required for transition could affect M5 timelines. | Multiple discussions have taken place and continue to progress. The aim is to reach an agreement by the end of August. Transition design has been descoped from the Design and if a decision is made by the end of August, the plan is to deliver the Transition design by the end of Nov 2022 (one-way gate) or end of Dec 2022 (revolving door) | High risk |
| | R187 | There is a risk that the number of comments received in Phase 2 will be greater than expected and require more time process | MHHSP are using Playback sessions and drop-in sessions to reduce clarification comments and are implementing enhanced change control processes to optimise comment handling. LDP SI and PPC resources will be utilised to assist with the administration of comments should the Design team not have capacity. | Medium risk |
| | R167 | There is a risk that the Design Artefacts do not fully support Code Drafting | The prototyping exercise is being scheduled to test the drafting of regulatory code using a component of the Design. The parameters and approach for the prototyping exercise have been defined. The contingency for this risk, should it materialise, is that the SME's within the Design Team will undertake the majority of the Code Drafting, and will be able to use their knowledge of the Design to mitigate any risks. | Medium risk |

Appendix 1 – Design meetings facilitated

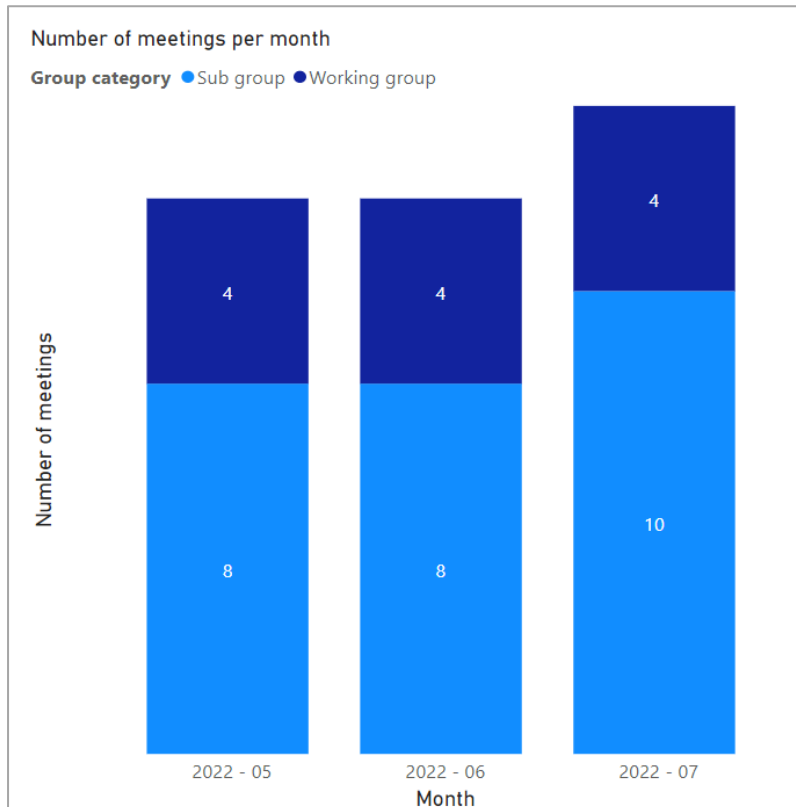


Chart 1 – Over past 3 months, 38 design meetings were facilitated, consisting of 12 working group meetings and 26 sub-working group meetings

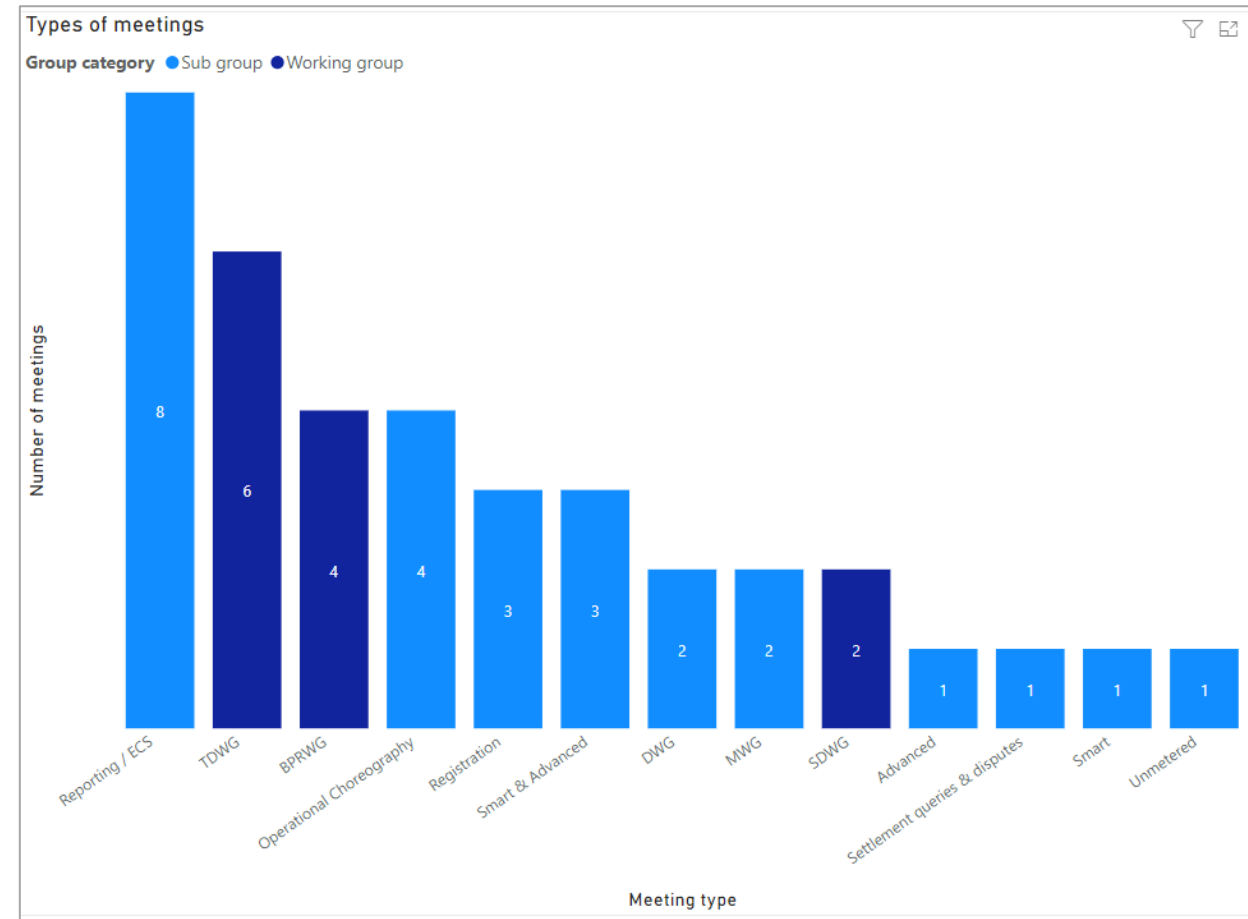


Chart 2 – Over past 3 months, the most frequently facilitated meetings were the Reporting / ECS sub-group, Technical Design Working Group, Business Process and Requirements Working Group and the Operational Choreography sub-group

Appendix 2 – Design meeting attendance

Notes:
1. May, June, July 2022 meeting data
2. Excludes MHHSP resources

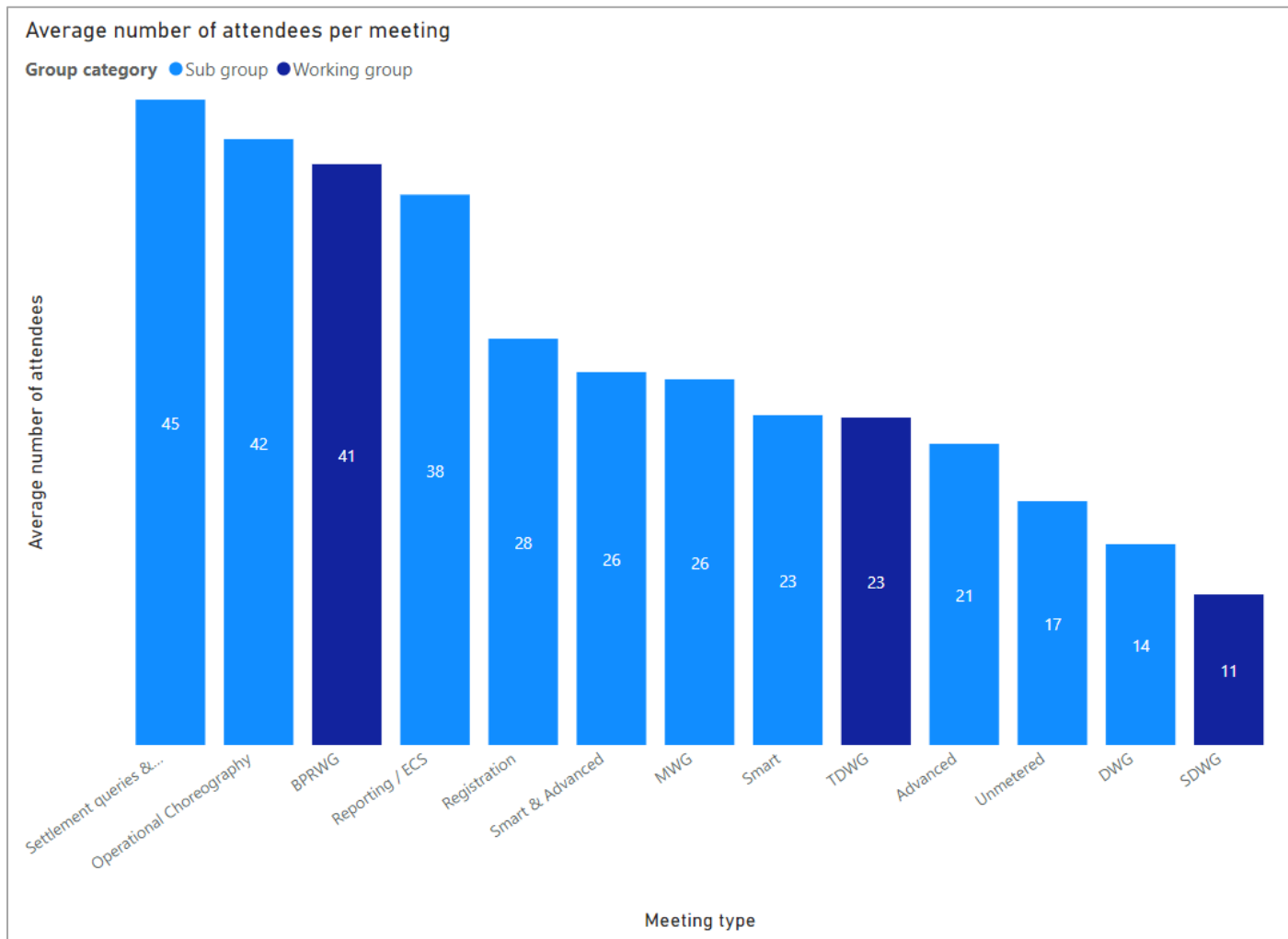


Chart 3 - Over past 3 months, the meetings with the highest average attendance were:

- Settlement queries & disputes sub-group (45 attendees)
- Operational Choreography sub-group (42 attendees)
- Business Process and Requirements Working Group (41 attendees)
- Reporting / ECS sub-group (38 attendees)

Appendix 3 – Constituency attendance at Design meetings

- Notes:
1. May, June, July 2022 meeting data
 2. Excludes attendance to SDWG and TDWG because these are specialist meetings

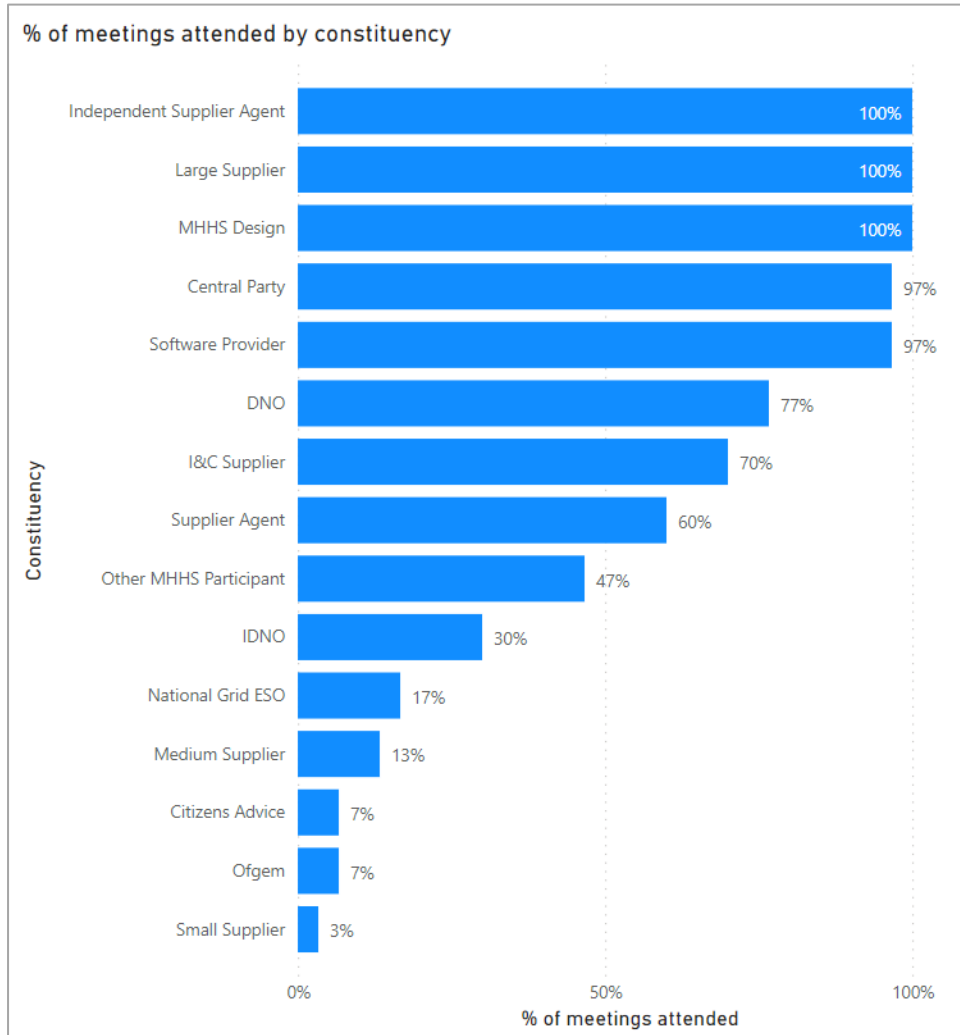


Chart 4 - Over past 3 months, the following constituencies have attended Design Working Group and Sub-Working group meetings.

i.e. The percentage of design meetings that have been attended by one or more organisations from a constituency.

The percentage reflects % attendance to all Design Working Group and Sub-Working group meetings. Attendance to SDWG and TDWG has been excluded because these are specialist meetings.

Appendix 4.1 – Organisation attendance at Design meetings

- Notes:
1. May, June, July 2022 meeting data
 2. Excludes attendance to SDWG and TDWG because these are specialist meetings

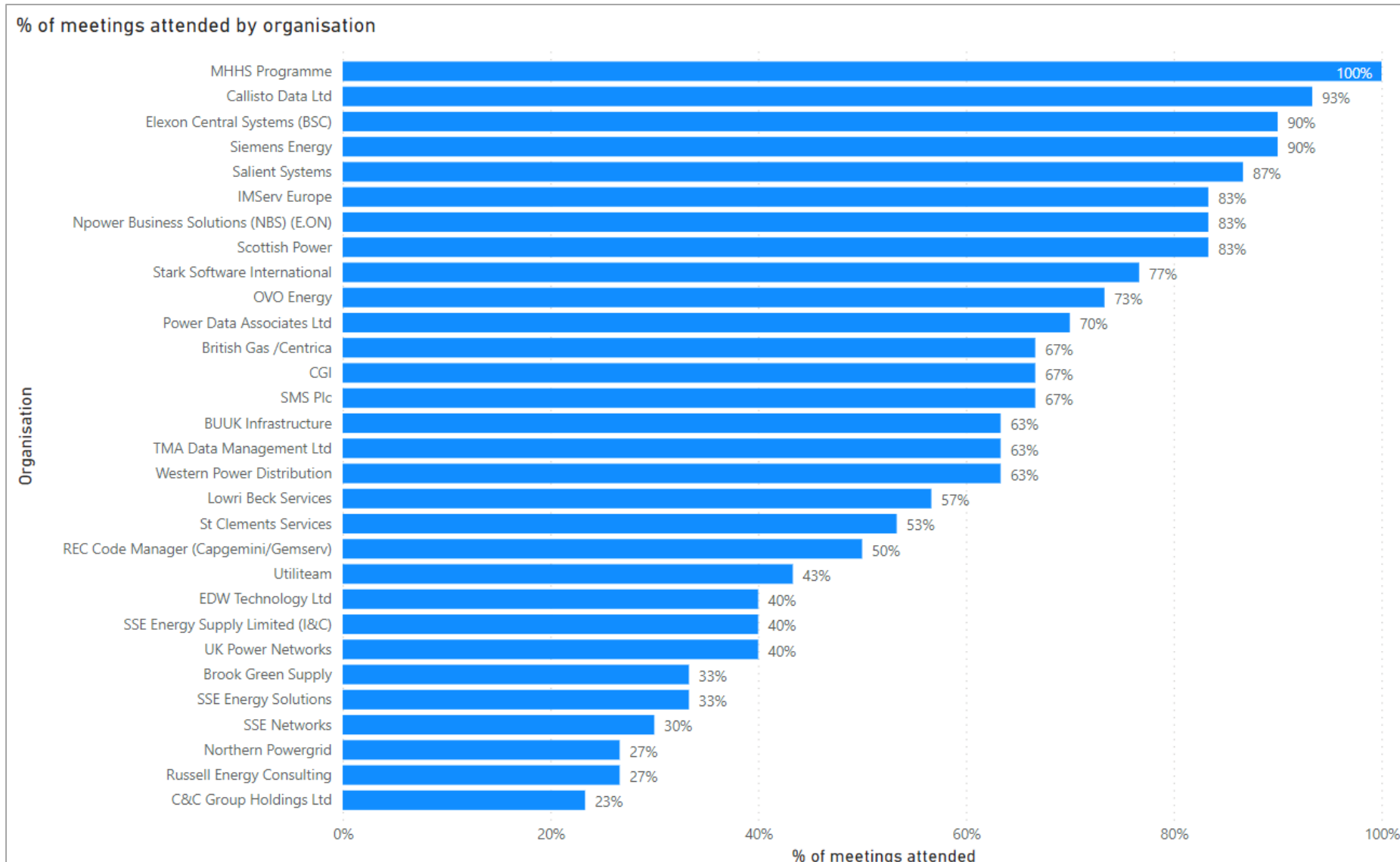


Chart 5 - Over past 3 months, the following organisations have attended Design Working Group and Sub-Working group meetings. The percentage reflects % attendance to all Design Working Group and Sub-Working group meetings. Attendance to SDWG and TDWG has been excluded because these are specialist meetings.

Appendix 4.2 – Organisation attendance at Design meetings - continued

- Notes:
1. May, June, July 2022 meeting data
 2. Excludes attendance to SDWG and TDWG because these are specialist meetings

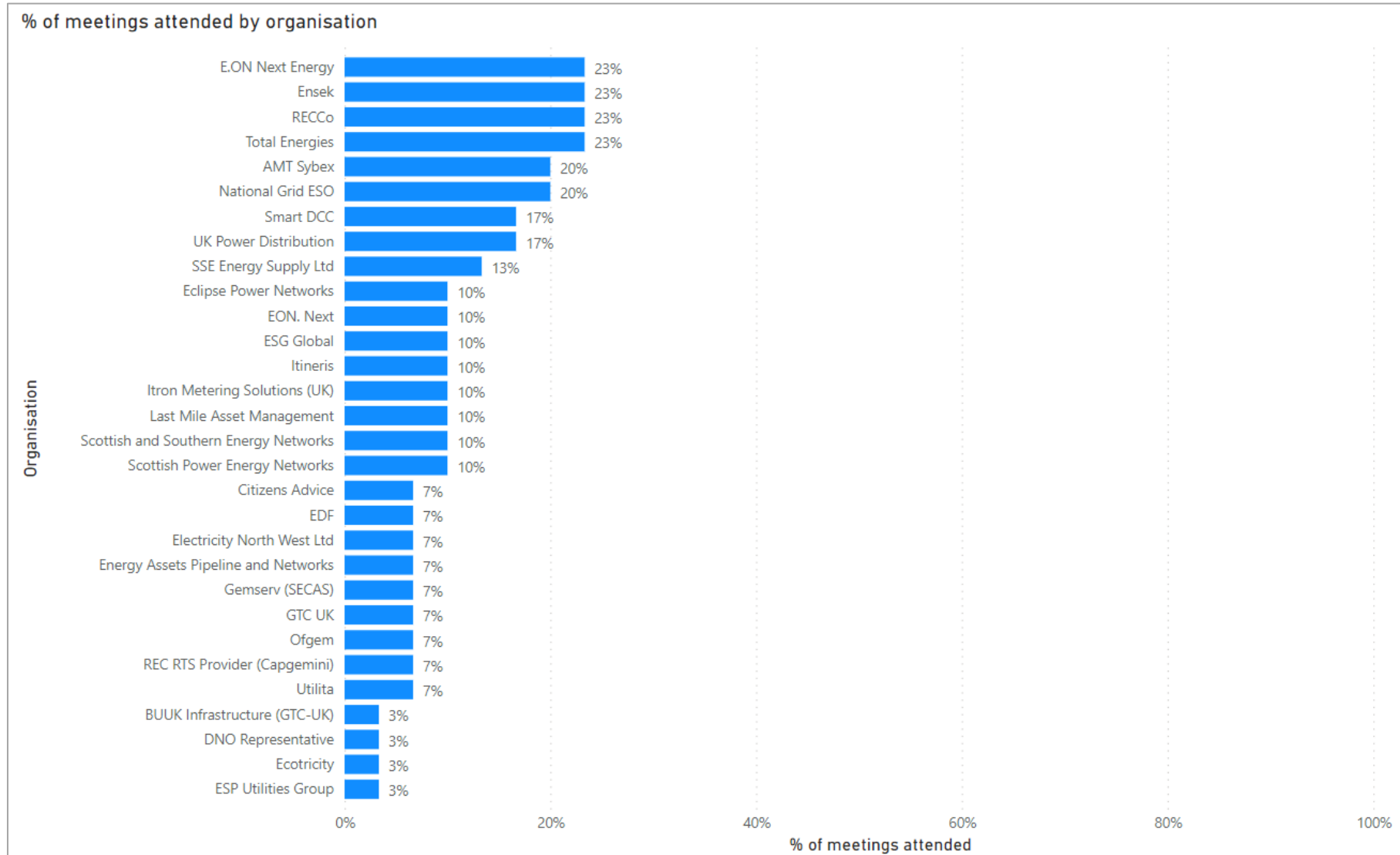


Chart 6 - Over past 3 months, the following organisations have attended Design Working Group and Sub-Working group meetings. The percentage reflects % attendance to all Design Working Group and Sub-Working group meetings. Attendance to SDWG and TDWG has been excluded because these are specialist meetings.

Appendix 4.3 – Organisation attendance at Design meetings - continued

Notes:

1. May, June, July 2022 meeting data
2. Excludes attendance to SDWG and TDWG because these are specialist meetings

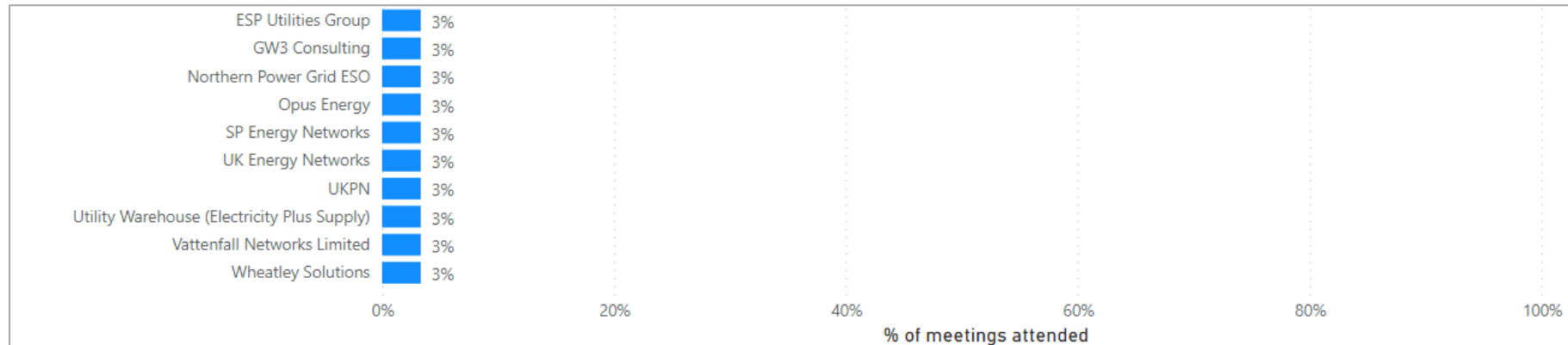


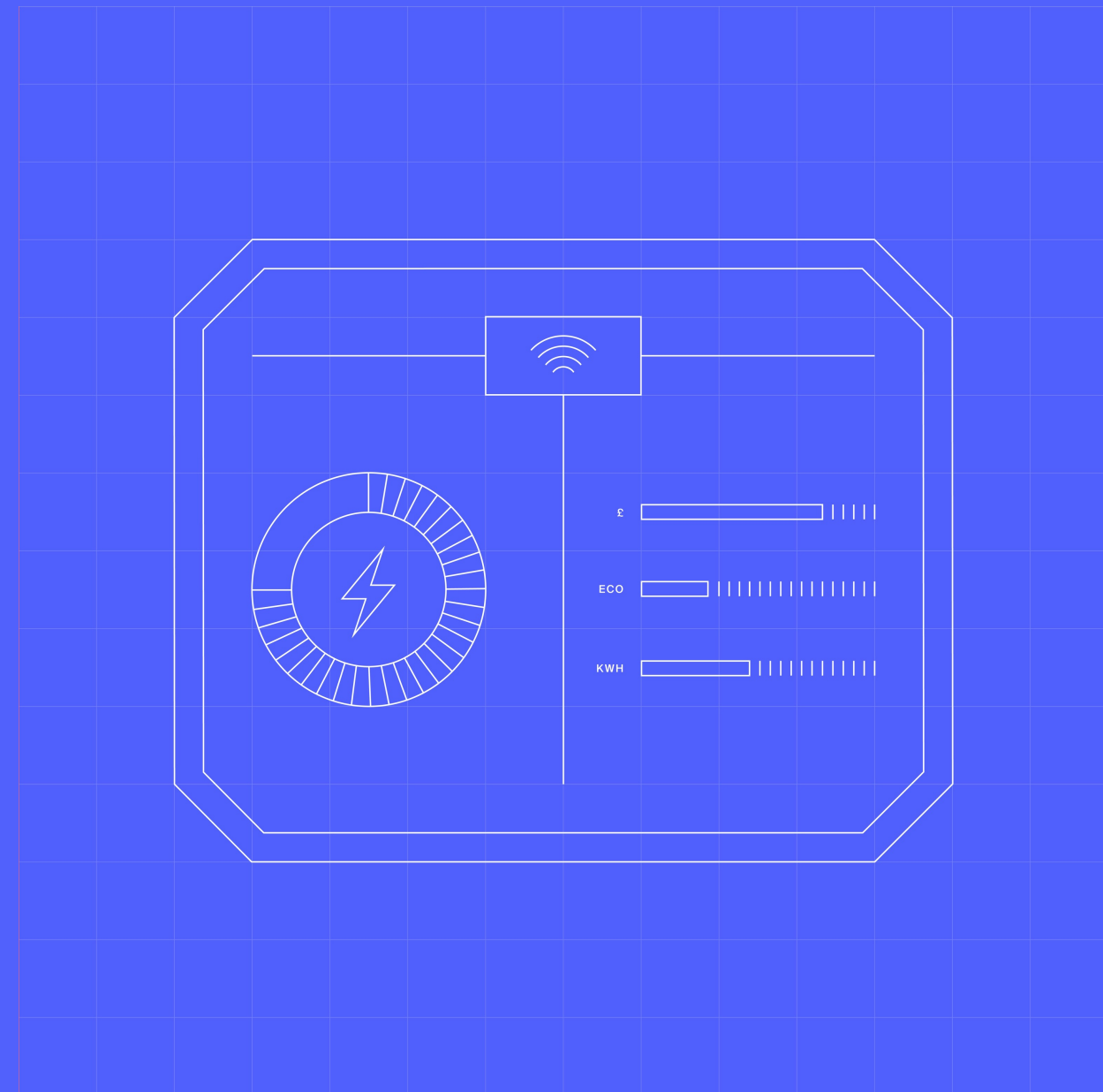
Chart 7 - Over past 3 months, the following organisations have attended Design Working Group and Sub-Working group meetings. The percentage reflects % attendance to all Design Working Group and Sub-Working group meetings. Attendance to SDWG and TDWG has been excluded because these are specialist meetings.

Delivery dashboards

INFORMATION: Take questions from PSG members, highlighting dPMO is now available

Chair

10 mins



Delivery dashboards - contents

Please note, the Programme [Digital PMO \(DPMO\)](#) is now available via the Programme Portal. The DPMO contains a range of live Programme dashboards for use by Programme Participants

| | Title | Purpose | Page |
|-------------------------------|---|---|------|
| MHHSP Programme level | MHHS Milestone Status | Provide an overview of progress against Programme milestones | 34 |
| | Interim Plan status report | Provide an overview of progress against the Programme interim plan | 35 |
| | Risk Themes | Provide a high-level view of Programme Risks | 36 |
| | Finance | Provide high-level forecast and actual Central Programme expenditure | 38 |
| | Change Control | Update on the status of any Change Requests | 39 |
| MHHSP workstream level | Design Progress | <i>Please refer to the agenda item on Design progress for this month's content</i> | N/A |
| | Level 3 Advisory Group Updates | <ul style="list-style-type: none"> • Update on key discussion items and outcomes from recent Level 3 Advisory Groups • Provide a forward look to future Level 3 Advisory Groups | 40 |
| | PPC Overview | Provide information on PPC activity and participant engagement | 42 |
| | Data Integration Platform (DIP) Procurement | Provide an update on the progress of the DIP procurement | 43 |
| Assurance | Independent Programme Assurance (IPA) dashboard | Provide a progress update on in-flight and future planned assurance activities | 44 |
| Industry | Central Party delivery plans | <i>Please refer to the agenda item on Central Party delivery plans for this month's content</i> | N/A |
| | Central Party finances | Provide high level Central Party forecast of expenditure against plan | 45 |

MHHS Milestone Status

Red Date has not been met or is expected not to be met

Amber Date may not be met

Green Date expected to be met

Milestone status
Updated to 02/08/22

| Level | Milestone | | Milestone Date | | Status | Path to Green – Actions (& related impacts) | Previous RAG Jul PSG | Current RAG Aug PSG | Forecast RAG Sep PSG |
|---------------|----------------------------------|--|----------------------|---|---|---|-------------------------|------------------------|-------------------------|
| | | | Baseline | Forecast | | | | | |
| 1 | M5 | Physical baseline design delivered | 29-Apr-22 | 31-Oct-22 (CR009) | <ul style="list-style-type: none"> 18 Tranche 4 documents have been published, all remaining documents to be provided by 08-Aug-22. | <ul style="list-style-type: none"> On track for M5 decision on 31-Oct-22 (Green status for this month assumes CR009 agreed at PSG on 10-Aug-22). | Red | Amber (CR009) | Green |
| | 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 | 31-Oct-22 (CR009) | <ul style="list-style-type: none"> Engaged with design activities. | <ul style="list-style-type: none"> CR009 proposes all parties mobilised to start DBT which will be 31-Oct-22 currently (subject to CR009 approval) CR009 decision due to be made at PSG on 10-Aug-22 Readiness Assessment 2 is planned to verify status at M3 (RAG statuses for this month assume CR009 is agreed at PSG on 10-Aug-22). | Green | Green | Green |
| | M3 | Design, Build Start (iDNOs) | 31-May-22 | | <ul style="list-style-type: none"> Considering triggers for DBT start (triggered by design or Code baseline). | | Amber | Amber | Amber |
| | M3 | Design, Build Start (Agents) | 31-May-22 | | <ul style="list-style-type: none"> Majority have engaged with design activities. | | Green | Green | Green |
| | M3 | Design, Build Start (Suppliers) | 31-May-22 | | <ul style="list-style-type: none"> Suppliers now mobilising / more mobilised | | Red | Amber (CR009) | Amber |
| M5 + 3 | Industry re-plan | 29-Jul-22 | 11-Nov-22 (CR009) | <ul style="list-style-type: none"> CR009 + proposed CR010 would mean that consultation ends (and final plan for Ofgem approval) on 11-Nov-22 Proposal is to rescind CR010 but agreed a brief Round 3 for consultation in November | <ul style="list-style-type: none"> 'Strawman' plan published on 01-Aug-22, for consultation (Round 1) Some material assumptions in the proposed plan remain and must be better addressed before Round 2 consultation, and the overall timeline needs to be better understood – Green status may then be achieved If plan not baselined within 2022, the associated uncertainty is likely to dilute focus on delivering MHHS and cause delivery delays (RAG status for this month assumes approach agreed at PSG). | Amber | Amber | Amber | |
| M4 | PMO/PPC/SI/IPA fully functioning | 31-Jan-22 | 06-Apr-22 | <ul style="list-style-type: none"> PMO/PPC/SI fully functioning IPA started work; full mobilisation to be completed. | <ul style="list-style-type: none"> IPA team has drafted their baseline Health Check. | Met | Met | Met | |
| 1 | M9 | Cross-Industry Integration Testing Start | 31-Aug-23 | TBD | <ul style="list-style-type: none"> Date to be determined during the programme re-planning activity. | <ul style="list-style-type: none"> Based on programme identified risks, there is a likelihood of pressure on the current date for M9 – this status will remain Amber until validated by programme re-baselined plan. | Amber | Amber | Amber |
| 1 | M6 | Code changes baselined | 29-Apr-22 | 28-Apr-23 (31-Jul-23 if CR009) | <ul style="list-style-type: none"> This date is M5+9 and therefore CR009 will change this date. | <ul style="list-style-type: none"> CR003 approved, awaiting CR009 decision Date will be reviewed again during plan re-baselining. | Amber | Green (CR009) | Green |
| | M7 | Smart Meters Act powers enabled | 31-May-22 | 31-May-23 (31-Aug-23 if CR009) | <ul style="list-style-type: none"> This date is M5+10 and therefore CR009 will change this date. | <ul style="list-style-type: none"> CR003 approved, awaiting CR009 decision Date will be reviewed again during plan re-baselining. | Amber | Green (CR009) | Green |
| | M8 | Code changes delivered | 30-Nov-22 | TBD | <ul style="list-style-type: none"> As stated in CR003 this date will be delayed and validated by the programme re-plan. | <ul style="list-style-type: none"> Per CR003 proposal, a change to M8 will be included in the programme re-planning activity after M5. No impact expected. | Red | Red | Red |

Progress against the Interim Programme Plan (revised plan assuming CR009 is approved)

Interim Plan
Updated to 02/08/22

| Executive Summary |
|---|
| <ul style="list-style-type: none"> Design Delivery: CR009 is proposed to change M5 to 31-Oct-22 (and will be decided at PSG on 10-Aug-22). 18 Tranche 4 artefacts have been published, with all remaining artefacts to be published by 08-Aug-22 (including any remaining Tranche 1-3 artefact updates). Playback sessions started on 02-Aug-22 and delivery is on track to M5 at 31-Oct-22 Interim Programme Plan: A revised version of the Interim Programme Plan PoaP is being presented at PSG on 10-Aug-22 and (assuming that CR009 is recommended for Ofgem approval) published to industry to reflect the expected changes to delivery dates for M5-dependent activities and all related programme activities in 2022. This report is referenced to the assumptions in CR009 and the revised interim plan for the purpose of providing the most informed view of delivery status and risk going forward Programme Plan Re-Baselining: Engagement with the Planning Working Group and Planning Show & Tell volunteers continued throughout July to inform the development of the first formal draft version of the Programme Re-plan, which was published to industry for (Round 1) consultation on 01-Aug-22. Programme Participant walkthroughs of the draft re-plan started on 03-Aug-22. The deadline for Round 1 consultation feedback is 26-Aug-22. At Round 2 start the plan needs to be more settled with the broad assumptions of Round 1 being addressed Top Delivery Challenges: (1) addressing risks from the Independent Agent escalation to the IPA of the SEC Mod MP162 solution and subsequent SEC Change Board recommendation to reject, and (2) reaching a conclusion in principle, on how the programme will handle the migration approach, to enable better re-baselining of the programme plan – supported by clarity on when the Transition / Migration Design will be available. |

| Plan RAG Status | |
|-----------------|-------|
| Previous RAG | Red |
| Current RAG | Amber |
| Next period RAG | Amber |

| Activities due to be completed in August | | | | |
|---|------------------------------------|---------------|---------------|----------|
| Task | Workstream | Baseline date | Forecast date | RAG |
| Industry consultation Round 1 (start) | Re-plan development and baselining | 01-08-22 | 01-08-22 | Complete |
| Post-M5 preparation and planning for code drafting (start)* | Baselining MHHS Code Changes | 01-08-22 | 31-10-22 | Green |
| DIP - dialogue workshops / BAFO submissions deadline | DIP Procurement & Delivery | 19-08-22 | 19-08-22 | Green |
| Completion of Programme Portal delivery | Portal Development & Support | 19-08-22 | 19-08-22 | Green |

| Activities due to be completed in September | | | | |
|---|--|---------------|---------------|-------|
| Task | Workstream | Baseline date | Forecast date | RAG |
| Test stubs required for PIT (start of development) | Portal Delivery & Support / Delivery of test stubs | 01-09-22 | 01-09-22 | Green |
| DIP – BAFO reviews and evaluations / Contract award recommendation report (followed by MSA legals & onboarding) | DIP Procurement & Delivery | 05-09-22 | 05-09-22 | Green |
| Code drafting by topic area (start)* | Baselining MHHS Code Changes | 05-09-22 | 28-11-22 | Green |
| Design & Re-plan Open Day | Programme Participant Engagement | 06-09-22 | 06-09-22 | Green |
| Industry consultation Round 2 (start) | Re-plan development and baselining | 12-09-22 | 12-09-22 | Amber |
| Launch Readiness Assessment 2 survey+ | Enduring PMO / PPC Activity | 19-09-22 | 19-09-22 | Amber |

*M5-dependent activity. Assumed CR009 is approved.

+M3-dependent activity. Assumed CR009 is approved.

| RAID ID | RAID Description | Mitigation / Resolution | Resolution Date | Owner(s) | RAG |
|---------|--|--|-----------------|--------------------------------------|-----|
| I036 | The existing migration approach is currently not achievable. | <ul style="list-style-type: none"> The Programme and Ofgem to agree in principle on the best option to allow migration to begin early - and what this could mean for the approach to reach M14. The Programme to confirm the delivery plan for the Transition / Migration Design (not part of baseline design at M5) MWG / TMAG and Planning Working Group to align on related detailed planning and planning assumptions. | 31-Jul-22 | Chris Harden Keith Clark Ofgem | Red |
| I042 | SEC Change Board has recommended Ofgem reject the currently proposed solution for SEC Mod MP162. | <ul style="list-style-type: none"> Ongoing engagement with SEC through programme attendance at MP162 governance groups and SEC representatives attendance at DAG for any MP162 discussions Programme discussing implications with Ofgem, IPA, DCC and SECAS to agree next steps to mitigate impact Assess the impact of any agreed next steps on the Programme (in terms of scope, design and plan). Ofgem to make a future decision on SEC Mod P162 or any alternative solution | 31-Aug-22 | Jason Brogden | Red |

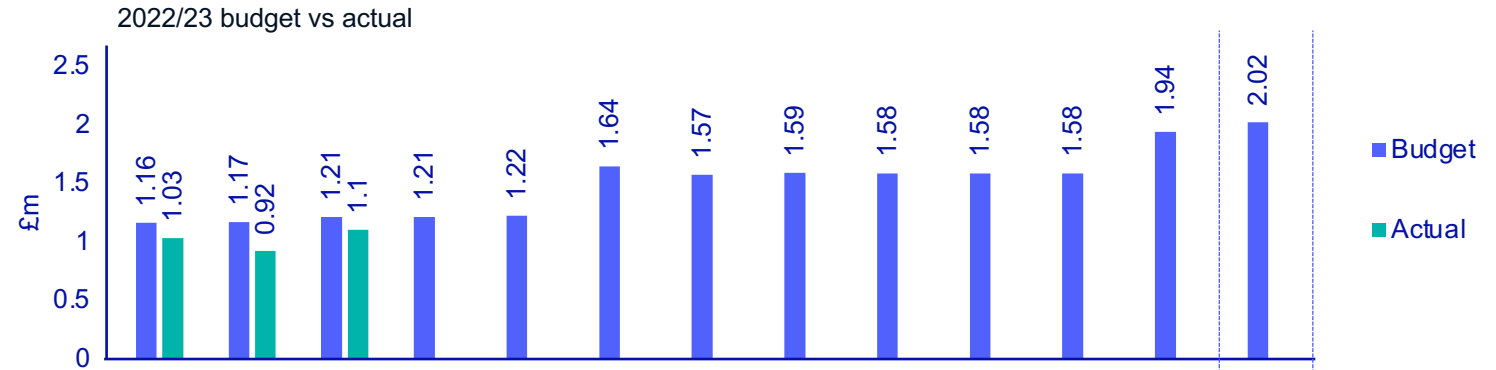
| Theme | Description | Mitigation Approach | Previous RAG Status & No. of Items | Current RAG Status & No. of Items |
|---|---|--|--|--|
| Ability to meet the M5 timetable as planned | The amount of work – due to design complexity and / or ability to continue to attract adequate participant engagement – may cause difficulty in reaching an agreement on the design by M5 | <ul style="list-style-type: none"> SRO recommendation on CR009 will be presented to Ofgem for a decision following the impact assessment for revision of the Design delivery plan and change the M5 date. Potential impacts to M3, the interim plan more generally and on the re-plan; have been taken into consideration. Tracking and reporting for Design delivery, including alignment with confidence indicators and M5 acceptance criteria has been improved Open design issues and reporting on their status continues DAG and M5 success criteria and Cross-Code Advisory Group (CCAG) code drafting requirements have been aligned Consequential Change Impact Assessment Group (CCIAG) is mobilised to discuss any issues with Participants' end-to-end designs SI's design assurance activities continue, and findings will be provided that capture evidence on how the design fully delivers the TOM Design playback sessions have started, and bilateral industry engagement will continue throughout August and September. | <p>Red</p> <p>(18 Risks & 3 Issues)</p> | <p>Amber (assuming CR009)</p> <p>(21 Risks & 1 Issue)</p> |
| Supplier and Programme participant engagement and mobilisation | Suppliers and Programme participants may not be mobilised early enough to support the forward delivery approach | <ul style="list-style-type: none"> CR007 rescinded and CR009 raised to cover changes to both M5 and M3 dates The proposed movement of M5 (CR009) will allow more time for more M3-related Participant activities by M5 PPC activities (including Readiness Assessment 2) are planned to verify status at M3 Participant engagement is underway on both the Design and the re-planning activities. | <p>Amber</p> <p>(15 Risks & 2 Issues)</p> | <p>Amber</p> <p>(13 Risks & 1 Issue)</p> |
| 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 timetable | <ul style="list-style-type: none"> Seek earliest baselining of the programme plan (i.e. this year); 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 <ul style="list-style-type: none"> Industry volunteer parties were engaged to input to an early 'strawman' plan through the Planning Working Group (PWG). This group will reconvene as consultation Round 1 concludes and the plan is developed ahead of Round 2 'Strawman' plan and supporting artefacts were published on 01-Aug-22, for formal consultation (Round 1), to provide the most time for Programme Parties to review the planning approach in line with developing their technology strategies and impact assessments Undergo rounds of industry consultation to capture all industry feedback possible before approval through PSG (and Ofgem). Subject to PSG agreement, a third round of consultation has been added to allow Participants to evaluate the re-plan as a result the baselined Design | <p>Amber</p> <p>(6 Risks)</p> | <p>Amber</p> <p>(9 Risks)</p> |

Headline: June Actual was slightly below forecast due to outsourced contracts coming in below forecast.

2022/23 overview

The current year's forecast remains at £19.5M

- The DIP estimate will be validated once the contract is awarded in Sep 2022. This is the key risk to spend this financial year
- The re-plan presents the biggest risk to the overall Programme budget and will be resolved following completion in Q3 22/23
- Due to the uncertainty mentioned above, the April to June underspend has been added to the contingency.



| | Apr 22 | May 22 | Jun 22 | Jul 22 | Aug 22 | Sep 22 | Oct 22 | Nov 22 | Dec 22 | Jan 23 | Feb 23 | Mar 23 | Contingency | Total |
|---------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------|--------------|
| 22/23 budget (£M) | 1.16 | 1.17 | 1.21 | 1.21 | 1.22 | 1.64 | 1.57 | 1.59 | 1.58 | 1.58 | 1.58 | 1.94 | 2.02 | 19.47 |
| August PSG Forecast (£M) | 1.27* | 1.17* | 1.18* | 1.24 | 1.24 | 1.66 | 1.61 | 1.65 | 1.53 | 1.48 | 1.54 | 1.73 | 2.74 | 19.47 |
| Actual (£M) | 1.03 | 0.92 | 1.10 | | | | | | | | | | | |

- *: forecast for historic months is the forecast as presented at the previous month's PSG
- This dashboard includes MHSP Central Programme costs only. This includes IPA and LDP resource and the DIP

Change Control – Change Request status

Change Control
Updated to 29/07/22

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

Discussion summary from this month’s Advisory Groups

Design Advisory Group (DAG)

Update from DAG 06, 21 and 28 July 2022

1. **Tranche 3 Approval** – The DAG conditionally approved the Tranche 3 design artefacts
2. **Level Playing Field Design Principle** – The DAG continue to assess whether Smart Energy Code Modification Proposal (SEC MP) 162 is consistent with the MHHS design principles. The Programme produced a paper detailing the options available and the advantages/disadvantages to help inform DAG’s decision, or support escalation where DAG cannot reach agreement. SEC MP162 was rejected by the SEC Change Board. Ofgem are expected to make a decision on SEC MP162 by the end of August.
3. **DIP Functional Specification and Non-Functional Requirements** – the latest version of each document were issued to the DAG, incorporating amendments made following review. Please see the latest documents provided with the DAG meeting papers available [here](#).
4. **Design RAID Review** – the DAG reviewed the design risks in the RAID register to ensure the descriptions and classifications were correct and up-to-date.

Recent DAG Headline Reports can be found [here](#).

Cross-Code Advisory Group (CCAG)

Update from CCAG 27 July 2022

1. **Transitional Text Approach and Code Draft Requirements** – the CCAG reviewed and provided feedback to the proposed approach to transitional text and other code draft requirements. The Programme have several further areas to explore in more detail. CCAG members will provide further feedback on whether qualification start is dependent on M6 (CCAG approval of code) or M8 (code implementation)
2. **Code Draft Working Group (CDWG) update** – the CCAG heard an update from the first CDWG and provided feedback on the CDWG Terms of Reference.
3. **Items for approval** – the CCAG approved four returning items, with some feedback from CCAG members: Code draft principles and approach; Code draft RACI; Resource model; and the Code draft plan
4. **PPC introduction** – the PPC provided an overview of their team and role

The CCAG Headline Report is available [here](#).

Testing and Migration Advisory Group (TMAG)

Update from TMAG 20 July 2022

1. **Test data generator for consumption data** – the TMAG provided feedback on if they have a way of injecting the Programme’s generated data into their systems
2. **Working group deliverables and dependencies tracker** – the TMAG reviewed the forward plan for and inter-relationships between TMAG governance groups, highlighting dependencies between deliverables
3. **RAID review** – the TMAG provided feedback on the top five testing and migration risks from the Programme RAID log. This included identifying a number of additional mitigations
4. **Working group updates** – the TMAG heard updates from recent TMAG working group meetings and approved the Terms of Reference for the Environments and Configurations Management Working Group (EWG)

The TMAG headline report is available [here](#).

Level 3 Advisory Groups – Agenda forward look

Advisory Groups (2 of 2)
Updated to 29/07/22

| | | | | | | |
|---|----------------|---|---|---|--|--|
| Design Advisory Group (DAG) | Meeting date | 28-Jul | 10-Aug | 14-Sept | 12-Oct | 28-Oct |
| | Agenda items | <ul style="list-style-type: none"> Level playing field design principle BPRWG escalations M5 schedule updates Target stakeholder outcomes Design assurance updates Review of RAID Design Decisions | <ul style="list-style-type: none"> Level playing field design principle Review of design RAID BPRWG escalations M5 schedule updates Design assurance updates Design Decisions | <ul style="list-style-type: none"> M5 Update Design issues discussions Feedback from playback sessions Design assurance updates Design decisions | <ul style="list-style-type: none"> M5 Update Design issues discussions Post-M5 DAG Approach Feedback from playback sessions Design assurance updates Design decisions | <ul style="list-style-type: none"> MHHS design approval Post-M5 change control process |
| | Standing items | <ul style="list-style-type: none"> Minutes & actions Governance group updates DAG Design Principles MHHS Design Dashboard L4 working group report Summary and next steps | <ul style="list-style-type: none"> Minutes & actions Governance group updates DAG Design Principles MHHS Design Dashboard L4 working group report Summary and next steps | <ul style="list-style-type: none"> Minutes & actions Governance group updates DAG Design Principles MHHS Design Dashboard L4 working group report Summary and next steps | <ul style="list-style-type: none"> Minutes & actions Governance group updates DAG Design Principles MHHS Design Dashboard L4 working group report Summary and next steps | <ul style="list-style-type: none"> Minutes & actions Governance group updates DAG Design Principles MHHS Design Dashboard L4 working group report Summary and next steps |
| Cross-Code Advisory Group (CCAG) | Meeting date | 27-Jul | 24-Aug | 28-Sept | 26-Oct | 23-Nov |
| | Agenda items | <ul style="list-style-type: none"> Finalise resource models, RACI, principles & approach and code draft op-plan L4 Workgroup updates/ decisions Design acceptance/success criteria Transitional text approach | <ul style="list-style-type: none"> Code drafting preparation update Operational Choreography document Code drafting approach to referencing design/iServer Code drafting requirements Design success criteria RAID review Code drafting and CCAG reporting | <ul style="list-style-type: none"> Post-M5 Replanning Activity (CCAG consultation inputs) Code Drafting Preparation Checklist Code drafting planning update Code drafting approach to referencing design/iServer 'Code draft ready' activities | <ul style="list-style-type: none"> Post-M5 Replanning Activity (CCAG consultation inputs) Code Drafting Preparation Checklist Code drafting planning update | <ul style="list-style-type: none"> M6: Code drafting process commences (subject to M5) CCAG Status Report draft |
| | Standing items | <ul style="list-style-type: none"> Minutes & actions Agenda roadmap Horizon scanning log Governance group updates | <ul style="list-style-type: none"> Minutes & actions Agenda roadmap Horizon scanning log Governance group updates L4 plan and WG status report | <ul style="list-style-type: none"> Minutes & actions Agenda roadmap Horizon scanning log Governance group updates L4 plan and WG status report | <ul style="list-style-type: none"> Minutes & actions Agenda roadmap Horizon scanning log Governance group updates L4 plan and WG status report | <ul style="list-style-type: none"> Minutes & actions Agenda roadmap Horizon scanning log Governance group updates L4 plan and WG status report |
| Testing and Migration Advisory Group (TMAG) | Meeting date | 20-Jul | 17-Aug | 23-Sept | 19-Oct | 16-Nov |
| | Agenda items | <ul style="list-style-type: none"> Migration, Cutover & Data Strategy update Qualification update Dependencies in test stages of E2E T&I Strategy | <ul style="list-style-type: none"> Test tools principles Environment plan update Migration, Cutover & Data strategy review Programme re-plan review SIT participants PPC introduction | <ul style="list-style-type: none"> Test tools design Environment plan SIT principles SIT participants Qualification/pre-qualification principles Review E2E Testing & Integration Strategy | <ul style="list-style-type: none"> Environment plan approval Programme re-plan review SIT participants | <ul style="list-style-type: none"> SIT participants Qualification/pre-qualification |
| | Standing items | <ul style="list-style-type: none"> Minutes and actions Governance and working group updates Agenda roadmap | <ul style="list-style-type: none"> Minutes and actions Governance and working group updates Agenda roadmap | <ul style="list-style-type: none"> Minutes and actions Governance and working group updates Agenda roadmap | <ul style="list-style-type: none"> Minutes and actions Governance and working group updates Agenda roadmap | <ul style="list-style-type: none"> Minutes and actions Governance and working group updates Agenda roadmap |

Please note, agenda items are draft and subject to change. This includes through any Change Request that may impact Programme timelines



Participant mobilisation

- CR009 has set out the entry criteria for the DBT phase of the Programme (following M3)
- These criteria will be assessed in Readiness Assessment 2 (RA2)
- Many suppliers cited Faster Switching Programme (FSP) as a reason to delay engagement – as FSP goes live many are saying that they will now be able to direct resources to MHHS
- **Next steps:** The PPC team will assess Participant readiness once the new criteria are agreed, and through RA2.



TOM and detailed design

The PPC team continues to organise sessions for a range of Participants to focus more closely on the Design

- Participants have found the sessions useful asking a range of technical questions; the Design team are logging outstanding questions and queries
- The Programme is building a picture of which Participants are engaging with the Design and which Participants say they will engage after it has been baselined
- **Next steps:** Continue to advertise bespoke design sessions to Participants in PPC Team bilaterals.



Understanding of Software Providers

- The PPC team have mapped **72 / 182** Participants to software providers (an increase of 10 since the last report) and have identified **14** software providers critical to the programme (an increase of 6 since the last report).
- **Next steps:** PPC to continue this mapping exercise through their bilateral conversations, and to ensure that critical providers are being engaged effectively

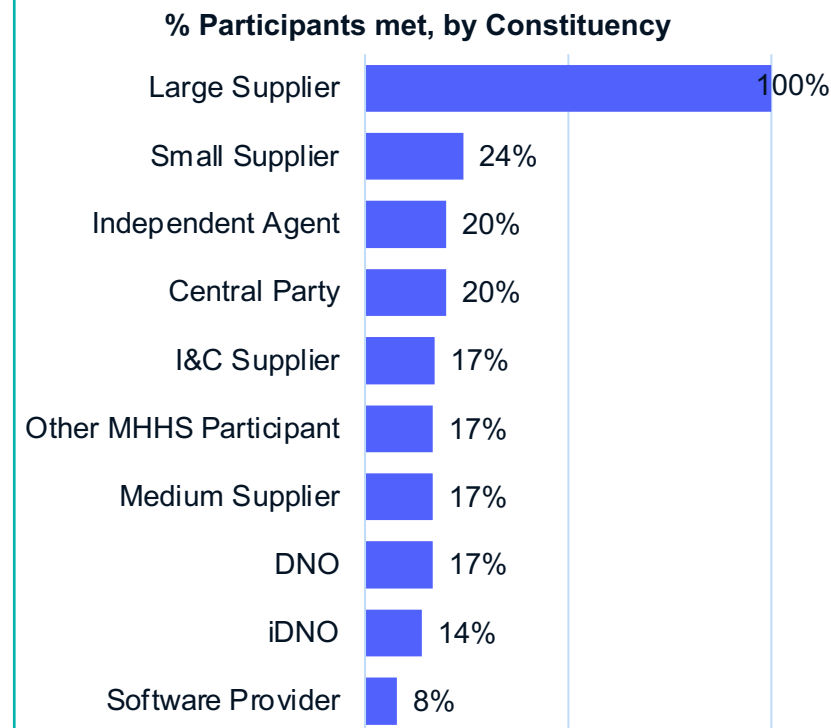


Webinars & Open Days

- On 29-Jul-22, a Collaboration Base Relaunch Webinar was held to walk licensed users through the latest improvements, and how to access and use the digital Programme Management Office (dPMO). The highest attendance was seen from I&C and Large suppliers (making up **22%** and **16%** of attendees respectively)
- The latest survey indicated **71%** of PPs found the webinar 'useful', and **29%** found it 'somewhat useful'
- **Next steps:** The next webinar is scheduled for 30 August 2022 and will walk through Readiness Assessment 2.

Participant Engagement by Constituency

The PPC team held **33** bilateral meetings with Participants this month. The chart below shows the percentage of these Participants in each Constituency that were met.



Summary

- The DIP technical requirements were approved virtually by DAG on 20 May
- The evaluation team comprising SRO Function including Design Team, LDP SI team and Elexon as Enduring Service Owner have finished scoring and have agreed a shortlist
- Shortlisted bidders have been notified and dialogue workshops, which included a proof of concept demonstration, have now been held
- Shortlisted bidders are now required to submit their Best and Final Offers by 19 August which will then be evaluated by the Programme and Elexon (as Enduring Service Owner) to identify the preferred bidder
- There continues to be a healthy and engaged response from bidders
- The DIP procurement remains on track and we envisage to award a contract in Q3

Key dependencies

- Code changes for the Enduring Service Owner are requiring significant effort, given Ofgem's direction that the SCR process should be adopted for the Enduring Mod. While it has not been decided whether the DIP Service Provider will be a BSC Agent or not, the Elexon Board have confirmed they are prepared to authorise a contract with the eventual DIP Service Provider using the vires of the Enabling Mod

Risks

- No material risks at this time

Next milestone

- 19 August – Shortlisted bidders to submit their Best and Final Offers

Dashboard Objective: To provide PSG with a progress update on in-flight and future planned assurance activities. Assurance themes and agreed actions will be shared with PSG on a quarterly basis with specific Work Package (WP) assurance reports shared in the lead up to key milestones.



Assurance Activities in Progress / Completed during month

Theme-Based Assurance

Ongoing Embedded Assurance Activities (WP1) - Establishing monthly cadence of interactions with MHHS to support embedded assurance - *In Progress*

MHHS Programme Plan (WP3) - Embedded assurance in programme re-plan activity - *In Progress*

Design Documentation (WP4) - Embedded assurance in design activity - *In Progress*

Stage-Based Assurance

Baseline Assurance Health Check:

- Draft Health Check report shared with MHHS to validate factual accuracy and agree actions
- Executive Summary including key themes and recommendations shared within 10 August PSG pack and to be presented at PSG meeting

AdHoc Additional Assurance and Advice (WP14) - Assurance review over MP162 - *In Progress*



Upcoming Assurance Activities

Theme-Based Assurance

- Ongoing Embedded Assurance Activities (WP1)

Stage-Based Assurance

- Assure Market Participants' Readiness for Design and Build (WP8) - Sep to Oct 22



Assurance Action Status: The status of closure of key agreed actions will also be reported in future iterations of the dashboard following completion of the Health Check.

Overarching Costs for MHHS Central Parties FY 22/23

| £M | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Total |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------|------|------|-------|--------------|
| MHHS Budget | 1.16 | 1.17 | 1.21 | 1.21 | 1.22 | 1.64 | 1.57 | 1.59 | 1.58 | 1.58 | 1.58 | 3.96* | 19.47 |
| MHHS Actual/Forecast | 1.03 | 0.92 | 1.10 | 1.24 | 1.24 | 1.66 | 1.61 | 1.65 | 1.53 | 1.48 | 1.54 | 4.47* | 19.47 |
| DCC Budget | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 | 0.52 | 1.04 |
| DCC Actual/Forecast | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.52 | 0.52 | 1.04 |
| Helix Budget | 1.02 | 2.01 | 1.75 | 1.94 | 2.13 | 2.07 | 1.17 | 7.71 | | | | | 19.80 |
| Helix Actual/Forecast | 0.96 | 1.98 | 1.82 | 1.91 | 2.09 | 2.04 | 1.17 | 7.83 | | | | | 19.84 |
| RECCo Budget | 0.06 | 0.06 | 0.06 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.45 |
| RECCo Actual/Forecast | 0 | 0 | 0.01 | 0.02 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.03 | 0.28 |
| Total Budget | 2.24 | 3.24 | 3.02 | 3.18 | 3.38 | 3.74 | 2.77 | 15.23 | | | | | 40.76 |
| Total Forecast/Actual | 1.99 | 2.90 | 2.93 | 3.17 | 3.36 | 3.73 | 2.81 | 15.22 | | | | | 40.63 |

Please note:

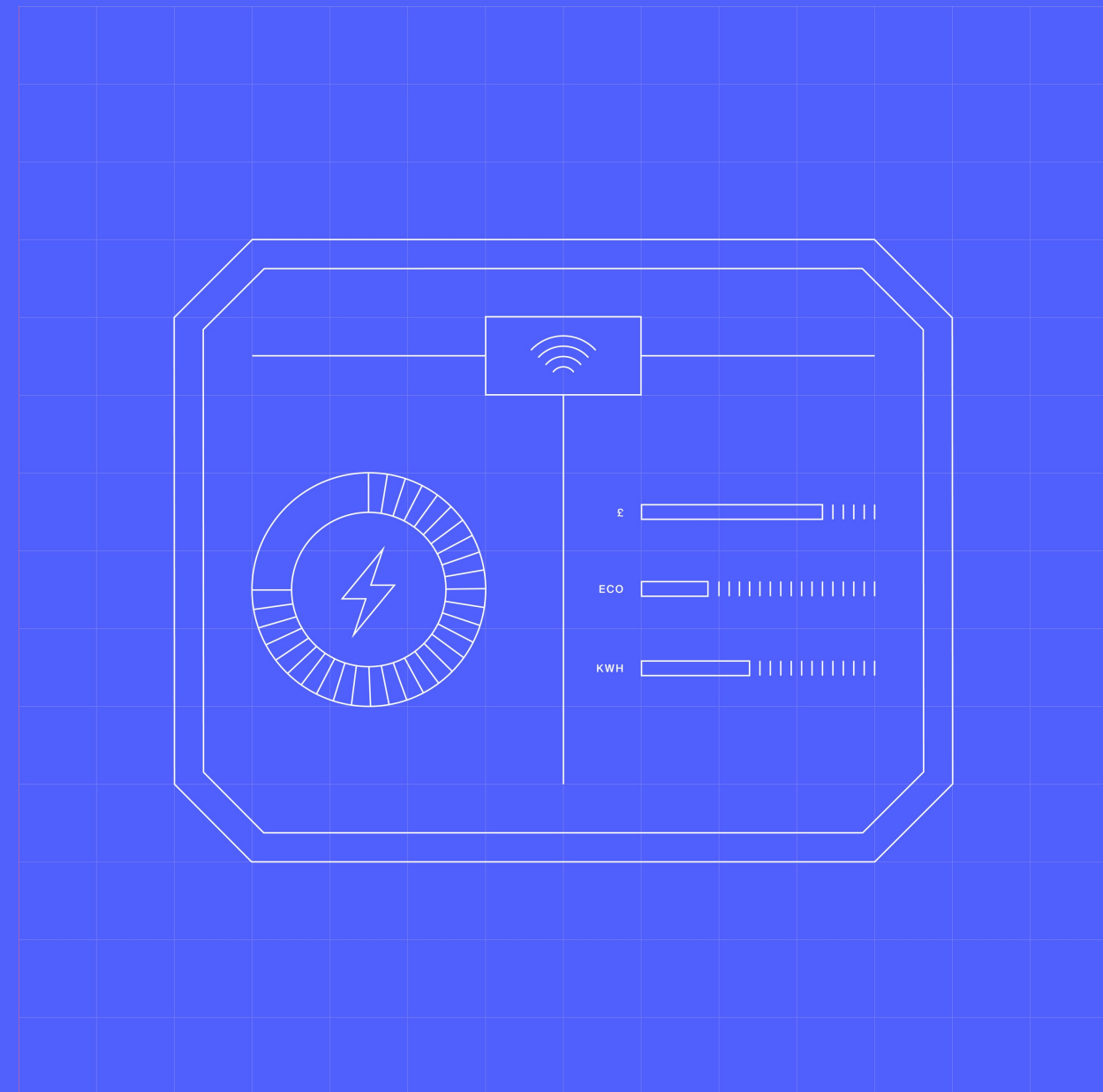
- * : Includes contingency
- RECCo and DCC costs include only 3rd party costs (do not include internal resources)
- RECCo project expenditure not expected until June 2022
- Helix budget is approved to October to the end of PI3. Total Budget for specifically Helix costs for the year amounts to £16.2m, with £3.6m specifically for SVAA re-development.
- DCC data subject change when service providers are contracted after Change Board decision.

Summary and Next Steps

INFORMATION: Summarise actions and decisions.
Look ahead to September PSG

Chair and Secretariat

5 mins



1. Confirm actions and decisions from meeting

2. Date of next PSG: 07 September 2022 1000-1200

Current agenda items:

1. Minutes and Actions Review
2. Ofgem decision on CR009
3. Programme re-plan update
4. Design progress
5. Programme Dashboards

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