Programme Steering Group #14
02 November 2022

Version 3.0

MHHS-DEL706

Agenda

| #	Item	Objective	Type	Lead	Time	Page
1	**Welcome**			Chair	10:00-10:05 *5 mins*	
2	**Minutes and actions review**	Approve October minutes. Update on actions, closing where appropriate	Decision	Chair and Secretariat	10:05-10:10 *5 mins*	3
3	**M5 decision**	• Update on the M5 decision from DAG • IPA to provide update	Information	Programme (Warren Fulton, IPA)	10:10-10:25 *15 mins*	6
4	**M3 decision**	• Review M3 decision-making inputs: RA2 preliminary report, IPA report and any supporting information • Make a decision whether to sign-off the M3 milestone	Decision	Programme (Keith Clark, Pete Edwarde, IPA)	10:25-10:45 *20 mins*	8
5	**Phasing**	Explain the proposed approach to phasing and the implications for the replan	Information	Programme (Giles Clayden)	10:45-11:00 *15 mins*	12
6	**Programme replan**	• Update on progress of the Programme replan since Round 2 consultation • Update on progress and next steps for the migration options • Review the proposed forward plan for migration and the replan • Make a decision whether to move to the next round of consultation (Round 3)	Decision	Programme (Keith Clark)	11:00-11:20 *20 mins*	15
7	**RECCo Change Request**	• Provide an overview of Change Request: *"Increase in scope of CCAG ToR and code drafting activities to include consequential change"* • Make a decision on whether to raise the Change Request to Impact Assessment	Decision	RECCo Representative, Programme (SRO, Jason Brogden)	11:20-11:30 *10 mins*	19
8	**DIP update**	Provide an update on the Data Integration Platform (DIP) procurement	Information	Programme (Chris Harden)	11:30-11:35 *5 mins*	20
9	**Delivery dashboards**	Take questions from PSG members on dashboard content	Information	Chair	11:35-11:45 *10 mins*	21
10	**Sponsor update**	Hear key messages from the Programme sponsor	Information	Ofgem Sponsor (Rachel Clark)	11:45-11:50 *5 mins*	41
11	**Summary and next steps**	Summarise actions and decisions. Look ahead to December PSG	Information	Chair and Secretariat	11:50-11:55 *5 mins*	43
	Appendix	1. Readiness Assessment 2 report 2. Summary outputs from Round 2 of consultation of the Programme replan				45
	Attachments	• Attachment 1 – RECCo Change Request • Attachment 2 – IPA design documentation • Attachment 3 – IPA participant readiness for DB				

Minutes and actions review

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

Chair and Secretariat

5 mins

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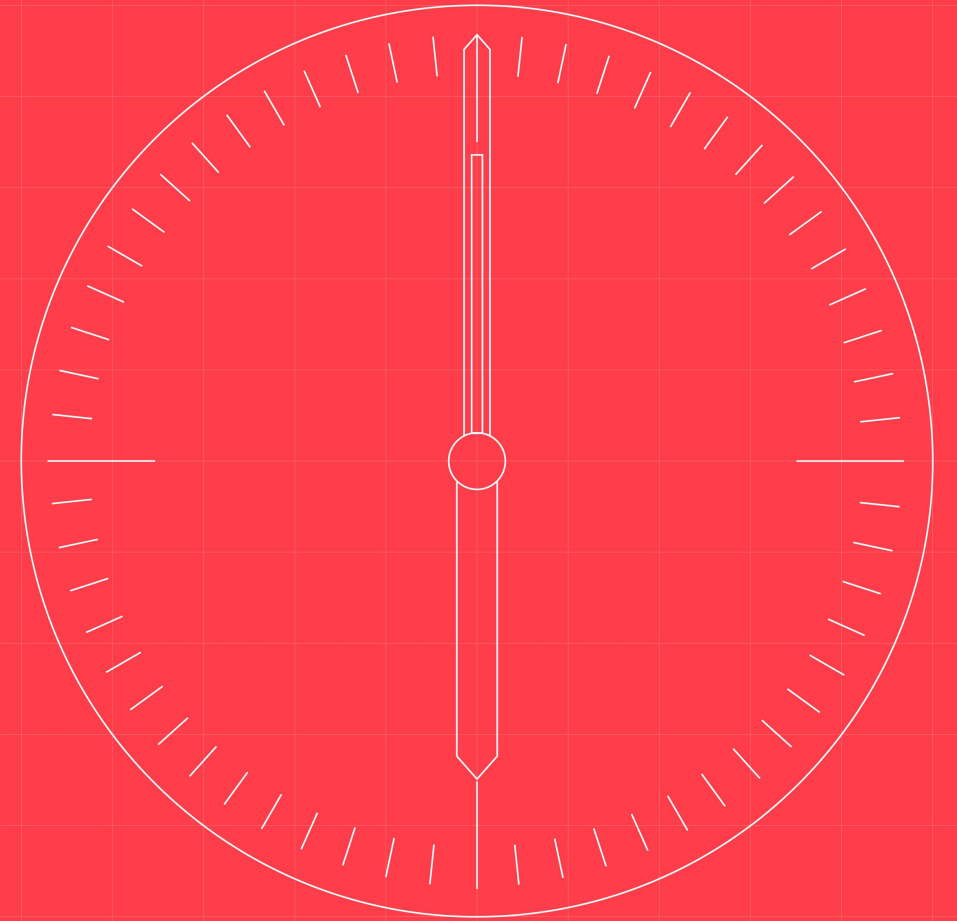
Minutes and actions review (1 of 2)

1. **Approval of minutes** from PSG 05 October 2022
2. **Open actions and actions from PSG 05 October 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
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 and reported back to PSG after Control Point 1 decision
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	Recommend closed	Session held 16/09 with Ofgem, SECAS, DCC and MHHSP. Next steps have been agreed
PSG11-01	10/08/2022	Discuss with other Level 3 Governance Group leads if pre-meeting webinars for Level 3 groups would be useful	Programme (PSG chair)	07/09/2022	Recommend closed	This has been raised at each group with an ask for feedback via reps. There has been limited enthusiasm. All Level 3 groups have agreed to stay virtual/hybrid, with ad-hoc in-person meetings as required
PSG12-02	07/09/2022	Engage with constituents to determine if they are going to be ready for M3 as per the criteria in CR009 (see key discussion items for full detail on the ask to constituents). Provide a summary at October PSG	PSG constituency representatives	05/10/2022	Recommend closed	Feedback provided from all constituency representatives at October PSG
PSG13-01	05/10/2022	Consider steps to ensure external factors impacting participant ability to deliver their plans are appropriately considered by the Programme (focussing on the recent government direction on support schemes for current market conditions) e.g. consider via the Round 3 re-plan consultation or in Readiness Assessment 2	Programme	02/11/2022	Recommend closed	To be considered within November PSG agenda item on the Programme replan. External factors have informed the next steps to be presented
PSG13-02	05/10/2022	Confirm the governance/decision-making route for making a decision on a migration option, including how this relates to decision-making for the re-plan	Programme	02/11/2022	Recommend closed	To be confirmed under November PSG agenda item on migration options and the replan

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Ref	Date	Action	Owner	Due Date	Status	Latest Update
PSG13-03	05/10/2022	Share the current interim plan timeline/dates for PSG decisions relating to the Programme re-plan following Round 3 consultation	Programme	02/11/2022	Recommend closed	Interim plan timeline/dates shared with October PSG Headline Report. Replan approach to be discussed in November PSG
PSG13-04	05/10/2022	Confirm the date for the full set of updated design artefacts to be shared	Programme	06/10/2022	Recommend closed	Updated design artefacts were released on 17 October 2022
PSG13-05	05/10/2022	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	14/11/2022	Open - ongoing	Session held 17/10/22. Possible Change Request to be raised to include consideration of commercial impacts within the scope of work on transition. CR would add this activity to the Programme plan, with Level 4 group subsequently established
PSG13-06	05/10/2022	Share updated finance data for Helix	Helix representative	26/10/2022	Recommend closed	Updated figures in September dashboards

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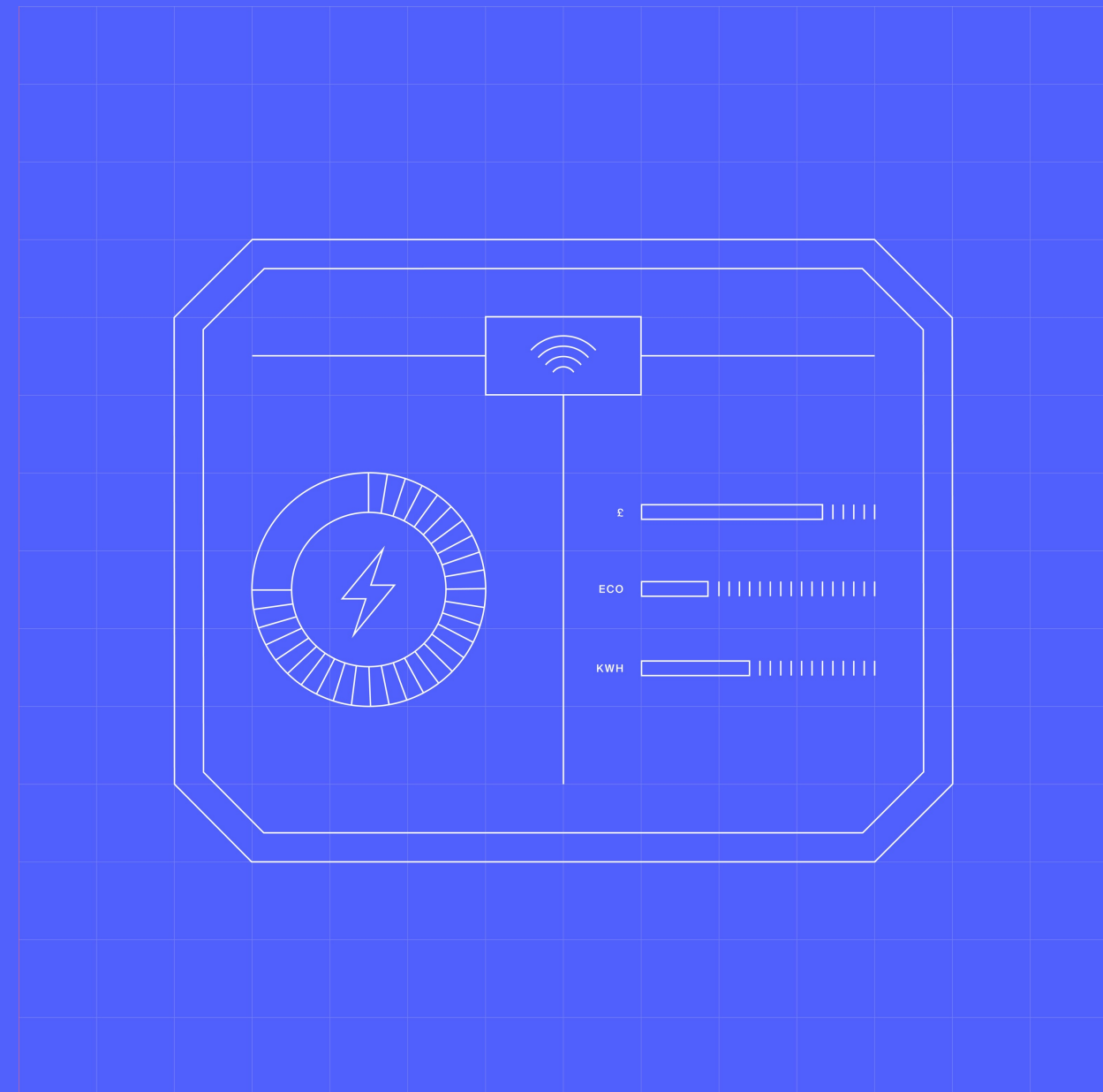Industry-led, Elexon facilitated

M5 decision

Please refer to Attachment 2 for the IPA design report

INFORMATION:
• Update on the M5 decision from DAG
• IPA to provide update

Programme (Warren Fulton, IPA)

15 mins

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Overall Status

- All comments and objections received from industry have been responded to
- All Design Artefacts have been updated and re-issued for an assurance review by Participants except the Logical Data Model which received comments from 2 Participants. All comments have been accepted and the LDM has been added to the work-off list to be updated in November 2022
- A work-off plan has been developed to deliver a small number of changes which the Programme does not believe have sufficient materiality to delay the baseline or poses risk for rework. The work-off plan is visible to all Participants and will be formally issued on 26 Oct
- The M5 Design Baseline report has been issued to DAG (available on MHHS Website) to justify the Programme's recommendation to baseline. The report also contains the governance controls for the management of the work-off plan
- The Assurance meetings for BPRWG, TDWG and SDWG have been scheduled for 27 and 28 Oct. The purpose of the Assurance meetings is to identify if there are any concerns regarding: (1) Updates to Artefacts, (2) Response to objections, (3) Proposed work-off plan
- DAG is scheduled for 31 October. The meeting is an in-person, full-day meeting. The decision to baseline, subject to the work-off plan, will be sought in the meeting

Upcoming deliverables

- Issue work-off plan – 26 Oct
- Assurance meetings – 27 and 28 Oct
- DAG Baseline decision – 31 Oct

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	Complete
Industry comments received	16/09	16/09	Complete
MHHSP review comments and propose action	30/09	30/09	Complete
Industry respond to MHHSP proposed action	07/10	07/10	Complete
Resolve dissensus	14/10	14/10	Complete
DAG baseline decision	31/10	31/10	Green

Risks / Issues

#	Risk or Issue (specific items or themes)	Mitigation	RAG
	There is a risk that the work-off plan is not delivered in accordance with timelines agreed with DAG	The governance controls for managing the delivery of the work-off plan has been defined and shared with DAG. The MHHS Design team will deliver the work-off plan. DAG will monitor the delivery of the work-off plan to its completion. DAG will report to the MHHS Programme Steering Group (PSG) if any issues arise regarding the delivery of the work-off plan. The design SME's have been retained to deliver the work-off plan and the processes used in the pre-M5 design development will be used to deliver the work-off plan (working groups, formal artefact review, DAG approval)	Low risk

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M3 decision

Please refer to Attachment 3 for the IPA readiness report

DECISION:
- Review M3 decision-making inputs: Readiness Assessment 2 preliminary report, IPA report, and any supporting information
- Make a decision whether to sign-off the M3 milestone

Programme (Keith Clark)

20 mins

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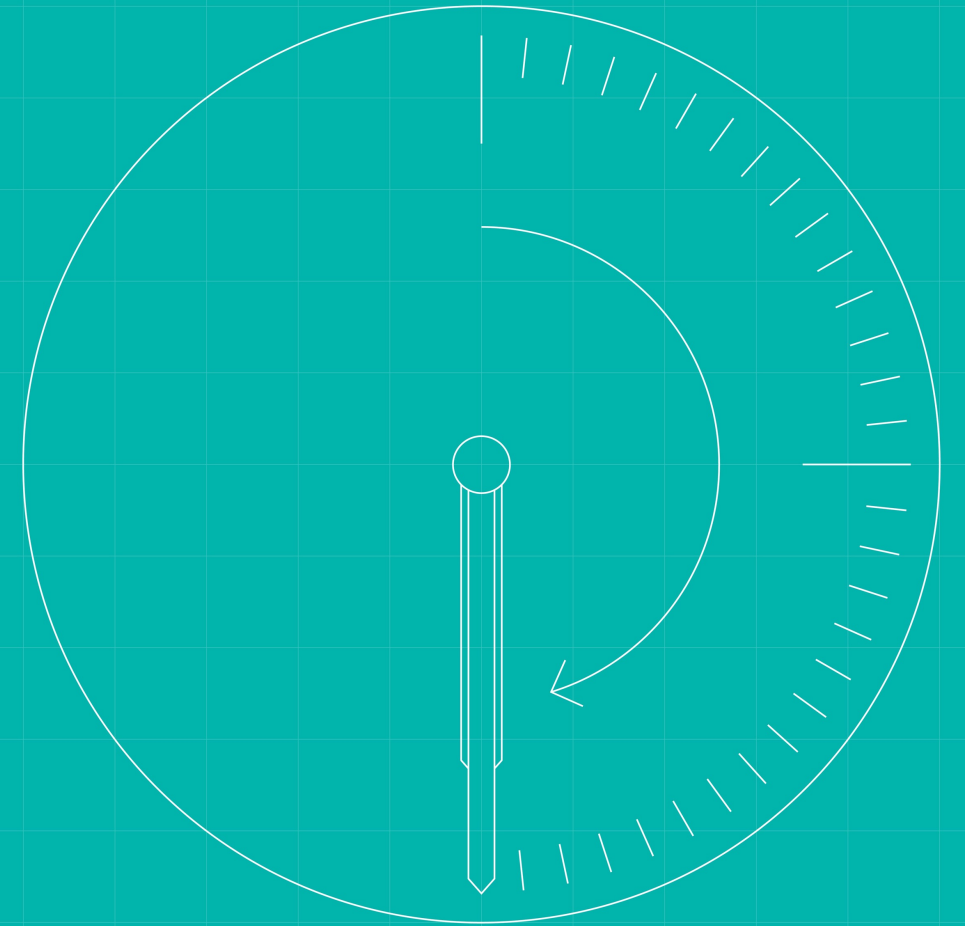
Executive Summary

The response rate for RA2 was very encouraging in terms of market share for key constituencies such as suppliers, DNOs and Agents. The self-assessment for DBT readiness at M3 was good as **100%** of DNOs and **68%** of the supplier market will be ready for M3, with **80%** of the supplier market due to be ready by the end of the year. The disappointing aspect of RA2 was the evidence uploaded by Participants to support their claims of DBT readiness at M3.

Response Rate

- The RA2 response rate was **53%**, an increase compared to RA1 at **46%**.
- This includes **98%** of the Supplier market by MPANs, **100%** of DNOs, **100%** of Central Parties and **81%** of Agents by market share.

DBT Readiness (self-assessment)

- **60%** of RA2 responders self-assessed as being ready to start DBT at M3 on 1st November 2022. This represents **32%** of all Participants.
- **100%** of DNOs and **68%** of the supplier market believe they will be ready for M3, and by Dec 22 we will reach **80%** of the supplier market.

DBT Readiness (compliance to criteria)

- The evidence submitted to support claims of M3 readiness was below expectations. Many RA2 responders submitted no evidence or did not meet the standards for evidence set out in RA2.
- The majority **(62%)** of RA2 responders only met **1** or **2** of the **5** criteria for DBT readiness.

Key Themes of the Deep-Dive Interviews

Fears of regret spend prior to M5 & replan
Many organisations continue to await a baselined design and replan before they commit resources to MHHS.

Competing Priorities
Of those organisations who will not be ready for MHHS, issues such as market conditions, EBRS implementation and Faster Switching post go-live activities continue to be higher priorities.

DBT Readiness often ahead of PoaP 1 or PoaP 2 schedules
Differing interpretations of 'DBT' meant that many Participants are ahead of schedule and have prepared to begin technical design on 1st November (instead of in February 2023 as per POAP 1/2 of the replan consultation).

Key Risks

Software Providers are largely disengaged
The response rate from Software Providers was low (34%) and their deep-dives revealed a lack of readiness in some cases. This may reflect ongoing impact and commercial discussions going into early DBT activities.

Uncertainty around Central Party roles/responsibilities
Work is ongoing with some Central Parties to define the scope of their responsibilities and determining whether the MHHS design artefacts should cover the scope of certain services that they provide.

Evidence for M3 readiness is limited
As stated above, the evidence submitted by Participants to support their claims of DBT readiness was below expectations. Therefore, to pass M3 involves an element of trust that Participants are as ready to start DBT as they claim to be.

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Assessment to support M3 decision

Key Question	Commentary	What is the risk in approving M3 today? What is the benefit in delaying the M3 decision?
Has the overall response rate been adequate?	The overall response rate (**53%**) was higher than in RA1 (**46%**) and a very strong response rate was seen among critical constituencies such as Large Suppliers (**100%**), Medium Suppliers (**100%**), DNOs (**100%**) and Central Parties (**100%**). . The majority of non-responders were Software Providers, Small Suppliers, I&C Suppliers or smaller Independent Agents.	**Risk in approving M3 today:** Low risk – response rate has been very good (and better than RA1, which shows progress in Participant's mobilisation and engagement). **Benefit of delay to M3 approval:** None.
Has the response rate (by market coverage) been adequate?	Responses covered **98%** of the supplier market, **100%** of DNOs, **100%** of Central Parties and **81%** of Agents. This represents very good coverage of the industry.	**Risk in approving M3 today:** Low risk – market coverage has been very good. **Benefit of delay to M3 approval:** None.
On the basis of respondents' self-assessments, how ready are they to start DBT?	When measured by market share the expectations for readiness to start DBT at M3 are generally good. **100%** of DNOs expect to begin DBT on 1st November, as does **68%** of the supplier market (measured by MPANs). This will rise to **80%** of the supplier market by the end of the year. When looking at total number of Participants as opposed to market share**, 60%** of RA2 responders to believe they will be ready to start DBT on 1st November (**32%** of all organisations across the industry).	**Risk in approving M3 today:** If we take responses at face value, the majority of RA2 respondents are ready and M3 could be approved on that basis with relatively low risk (but bearing in mind that a lot of smaller organisations did not respond). This risk is further reduced by looking at Participants who are not quite ready but will be, in November and December. **Benefit of delay to M3 approval:** On this basis, there are no notable benefits of delaying the M3 decision, that outweigh the low risk of approval. Delaying the decision is unlikely to prompt a higher response rate next time.
How confident are we that responses comply with the evidence criteria?	The evidence uploaded in RA2 generally indicated that Participants could not fully yet demonstrate that they are ready to start DBT. Most Participants who responded to RA2 **(62%)** met just **1** or **2** of the **5** criteria for DBT readiness outlined in CR009. Only **19%** met 3 or more.	**Risk in approving M3 today:** Responses may be inaccurate because participants may have misinterpreted survey questions and / or the uncertainties on the forward programme plan may have been variously interpreted. However, this risk has been mitigated somewhat by PPC bilateral dialogue. **Benefit of delay to M3 approval:** Not likely that better evidence will be forthcoming unless we delay M3 by at least 2-3 months.
Overall	The two positive pieces of news to come from RA2 revolve around the response rate and self-assessment to start DBT described above. The less positive aspect related to the evidence (or lack of evidence) uploaded to provide proof of DBT readiness.	**Risk in approving M3 today:** The programme has stated that it expects Participants to be ready to start DBT at this point in time. Many have already started or are ready to start. Non-approval would create uncertainty for those parties and risk a loss of programme momentum. **Benefit of delay to M3 approval:** We may get better evidence if we assess readiness again later, and when the forward programme plan is clearer. However, in respect of DBT the forward plan is already reasonably clear.

Impact and risk mitigation for any deferral of M3

	Impact	Level of Risk to Programme Timelines	Commentary and Mitigating Actions
Deferral of M3	**Positive impacts:** • No obvious benefit in delaying this decision by only a period of 1-2 months, since Participants' situations are unlikely to have changed materially **Negative impacts:** • Negatively impacts Participants who have already started DBT or are ready to start – the deferral of M3 undermines confidence in expeditious delivery of the programme and may cause those Participants to reconsider their pace of progress	**Low** *No expected impact on SIT start date (M9)*	**Participant Actions** • Participants must meet their obligations – reinforced by the recent Ofgem letter. Without Participants reaching and evidencing their readiness for DBT, M3 may be further delayed • In the event of M3 deferral, Participants are in any case expected to continue to progress their DBT-related activities – since the current baseline plan is still the MHHS Transition Timetable. **MHHSP Actions** • For December PSG: existing M3 milestone criteria should be re-assessed and potentially elaborated, to drive a more targeted interpretation of readiness – and the nature of the milestone decision based on those criteria (e.g. thresholds for meeting M3 criteria) should be also considered and clarified. Agree the elaborated M3 criteria at December PSG • During Round 3 planning consultation (see later part of this PSG presentation): MHHSP will require Participants to state their compliance with the M3 criteria <u>and</u> provide 'hard' supporting evidence for each criterion – especially their delivery plans. This will avoid the need to conduct a parallel (additional) Readiness Assessment exercise, which would add unnecessary burden on all parties • M3 decision could then be made on the basis of revised M3 acceptance criteria, after Round 3 closes and to support the baselining of the programme plan. ***M3 Acceptance Criteria (reminder)*** • *A high-level project plan is in place, which provides sufficient detail (including resource plans) for the next stage of the Participant's delivery activities and outlines (possibly at a higher level) subsequent delivery stages to the end of the project. This project plan should be aligned to the programme's revised and proposed programme plan* • *An outline Business Case or other funding instrument is in place, approved by an appropriate investment committee or is at least in the process of being approved – which provides for the necessary funding of the next stage(s) of the Participant's delivery plan according to each Participant's own delivery methodology* • *Relevant Points of Contact have been shared with the Programme. Per the request made by the programme's PPC function these would ideally be: Board-level MHHS Programme Sponsor; Programme Director/Delivery Lead; Design Lead; Test Lead; PMO Lead; Regulatory Lead – although each Participant is expected at M3 to share the appropriate contacts that they have in place, to support their delivery plan at that point* • *A sufficient understanding of the Target Operating Model, MHHS Design and proposed programme plan to adequately inform the above* • *If not already started, readiness to start activities required to reach detailed design at the earliest point after M3 (per the high-level project plan). These may include a High-Level Impact Assessment of the MHHS Design and the identification of required IT Service Providers (where relevant).*

Phasing

INFORMATION: Explain the proposed approach to phasing and the implications for the replan

Programme (Giles Clayden)

15 mins

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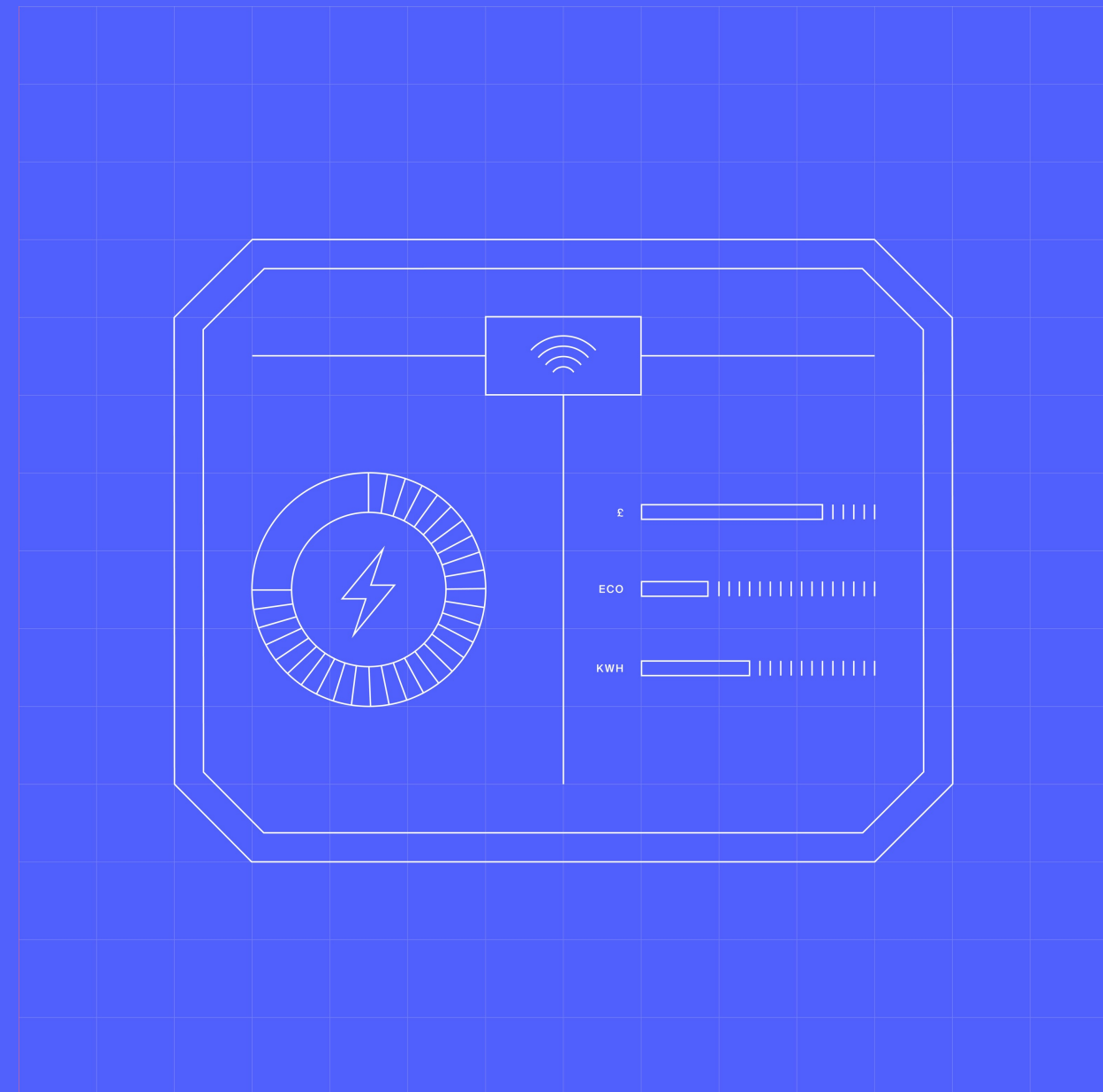
What is *Phasing*?

MHHSP is proposing a phased approach to go-live which has implications for testing. In testing, parties are managed in cohorts according to pace of delivery, allowing those progressing the fastest to reach Go-Live earlier. Participants (except central parties and one LDSO) will be able to elect whether to enter testing at Systems Integration Test (SIT) or qualification.

Key features of this approach (see next slide) include:

1. **Minimum Viable Cohort (MVC)** comprising central parties, at least on LDSO, suppliers and service providers to prove the design during SIT
2. **Parallel (non-MVC) cohort** for those participants who volunteer to participate in SIT but are not part of the MVC
3. **Tranched Qualification & Phased Go-Live** enabling PPs to start migration as soon as they are qualified post M11

The benefits of Phasing are…

- **Delivery at the pace of the fastest**, not slowest, offering earlier consumer benefit and choice

- **Promotes good SIT participation** by allowing fast-movers to gain potential commercial advantage by going live early if they participate in SIT

- **Improved project efficiencies** for faster PPs who would otherwise have to wait/pause for others to catch up, with advantages around continuity of project resource and knowledge

The approach is predicated on…

- **Reverse Migration.** The phased approach through qualification and into migration will effect the duration between M11 and M14. Reverse migration will be key to mitigating any adverse and potentially unacceptable impact on consumer choice during this period

- **Strong SIT Participation.** Having sufficient PP's committed to *early* testing and ready for SIT is essential. The associated reduction in qualification testing is seen as another incentive for those participating in SIT and allowing MHHSP to build the right composition of MVC

…and industry support to enable…

- **Early LDSO Qualification.** All LDSO will need to qualify by M11. Comprehensive LDSO commitment will be needed to target SIT or early phase of qualification to bring forward M11

- **Service providers.** SIT is not dependent on suppliers and service providers having a pre-existing commercial arrangement to form an MVC for testing purposes. However those suppliers going live at M11 will need to ensure contracted service providers have completed qualification before Go-Live and similarly committed to delivery timescales

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High Level Overview of Phased Plan – Requests for Industry Support

SIT Participants

PIT for SIT PP
- CP5
- CP4
- CP3
- CP2
- CP1

Non CP SIT Participants

SIT (Component Integration Test)

Central Parties
- CP1
- CP2
- CP3
- CP4
- CP5

Non CP Participants

MVC Formed

Request 1. CP account management focus (ref Oct PSG) seeking baselined CP plans with aim of accelerating entry to SIT Component Integration Test, potentially from Aug 23 tbc

Request 2. Early indication of interest in SIT participation to gauge potential uptake

MVC SIT
- MVC SIT (CP + LDSO + Service Providers + Suppliers)
- E2E Sandbox Test
- Self Assessment Document (SAD) Qualification

Non- MVC PP SIT
- Non-MVC SIT Testing
- E2E Sandbox Test
- Self Assessment Document (SAD) Qualification

- Central Parties complete PIT and enter SIT Component Integration forming the core of MVC.
- Other SIT PP complete PIT and enter SIT Component Integration.
- MVC formed in early stages of SIT based on target MVC composition of PP's and progress in testing.
- SIT managed as two streams, MVC vs non-MVC.
- PPs complete SAD process to satisfy qualification requirements not covered in SIT.

Qualification Test Participants

- DBT (including PIT) — Qualification Tranche 1 PP (LDSOs)
- DBT (Including PIT) — Qualification Tranche 2 PP
- DBT (Including PIT) — Qualification Tranche 3 PP
- DBT (Including PIT) — Qualification Tranche 4 PP
- DBT (Including PIT) — Qualification Tranche 5 PP

- Non-SIT PPs complete PIT as precursor to qualification.
- PPs complete qualification in tranches with LDSOs first as they need to go live at M11.
- Other tranches commence migration after SIT PPs.
- PPs go live in a phased manner once qualification is complete.

Migration

Request 3. Early indication from all LDSOs as to whether they wish to participate in SIT or Qualification

Request 4. SIT Suppliers to encourage contracted agents to qualify as early as possible to achieve full benefits of delivering early

M11 — MPAN migration — M14 — Migration (cont) — M15

MVC for Go Live

- M11 is dependent on cohort of suppliers and contracted service providers plus all LDSO having qualified.

Glossary
CP – Central Party
DBT – Design, Build, Test
PIT – Pre-Integration Testing
SIT – Systems Integration Testing

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Document Classification: Public

14

Programme replan

DECISION:
- Update on progress of the Programme replan since Round 2 consultation
- Update on progress and next steps for the migration options
- Review the proposed forward plan for migration and the replan
- Make a decision whether to move to the next round of consultation (Round 3)

Programme (Keith Clark)

25 mins

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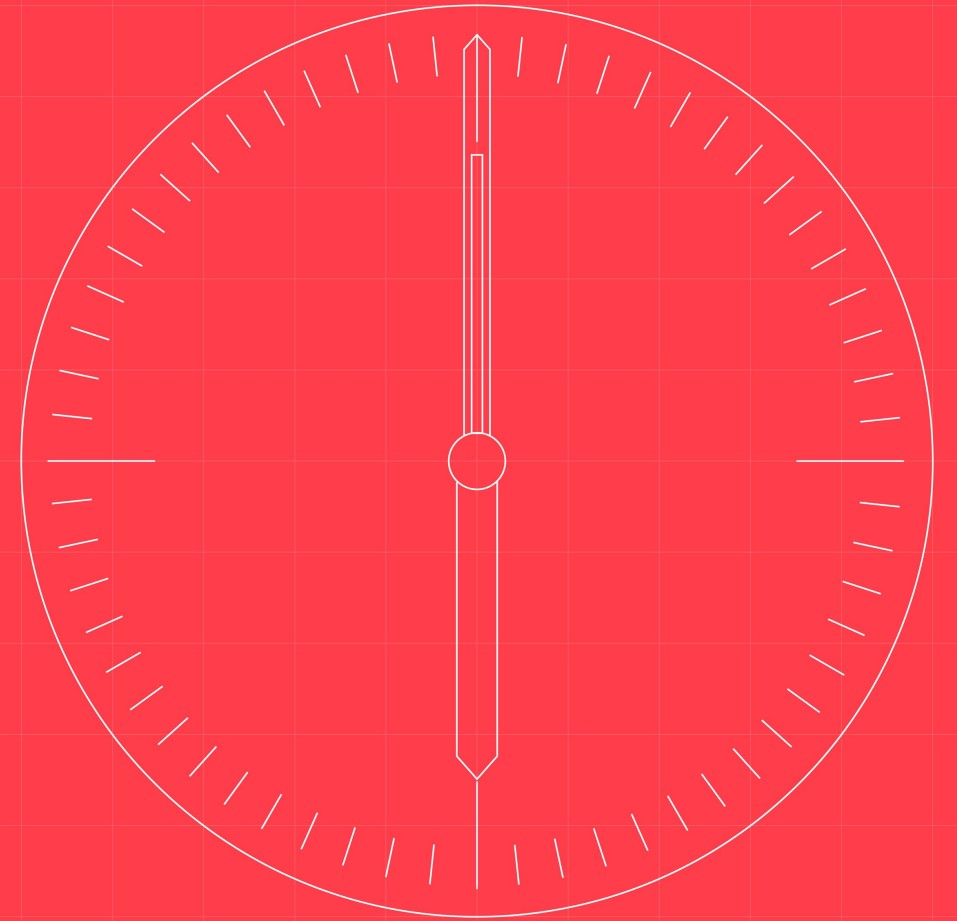
Status of the Re-Planning activity

Round 2 consultation and Round 3 preparation

- Participant responses have been assessed and are being referenced in the activities that continue, in building the plan for Round 3. Multiple workshops have been held to build the plan and answer questions from Round 2
- Planning Working Group (on 27th October) will review the main Round 2 responses and the intention for how the Round 3 plan will address them

Decision on migration / go live approach

- MHHSP discussed their current options assessment with Ofgem and the IPA on 19th October
- It was agreed that the programme should issue a Programme Participant Information Request (PPIR) to gather Participant views on the identified options
- It was also agreed to reduce the options from the 4 which have been evaluated in the Migration Working Group, to 3 – since there has been no appetite or interest in Option 4 (non-system reverse migration) and that option has been assessed so far as of limited benefit in comparison to its complexity)
- The programme's view is that the inclusion of reverse migration (if agreed), would not require a specific CR, but any eventual CR for the programme re-plan will cover that programme change
- The programme's intention is to issue a Programme Participant Information Request (PPIR) in early November, with an Ofgem/IPA review of results in late November
- The programme intends to bring the Options Analysis, based on the programme participant information request, to PSG on 7th December for approval – with a follow-up at Migration Working Group to run through the impact of the decision the following day November

Round 3 consultation – recommendation and requested PSG decision

- The programme recommends:
  - Deferring the start of Round 3 planning consultation until after the decision is made on the migration / go live approach. This will provide a delivery plan with much more certainty and stability than the Round 2 plan. This deferral will also allow Participants more time to consume the core MHHS design
  - That the start of Round 3 consultation should be determined based on the earliest time when Participants will be able to provide their delivery plans as evidence in their Round 3 responses. This evidence is crucial in ensuring any baselined programme plan has the support of industry. Particularly, we need to know when Participants expect to complete their DBT and be ready for potential participation in SIT
  - That the Round 3 consultation is a full consultation (rather than a short, post-M5 'check and challenge' as previously agreed). This will provide Participants opportunity to consult fully on the new Round 3 plan and provide required evidence following changes since Round 2
- Therefore, we will address the topic of the Round 3 start date with PSG on 2nd November and agree the best date

Recommendation, associated forward schedule and expected Participant activities until Programme Plan approved

	October 2022	November 2022	December 2022	January 2023	February 2023	March 2023

Migration Approach

(assumes no CR required for reverse migration option 3)

- Confirm whether Reverse Migration included in design
- Issue programme participant information request on 3 options and gather responses
- Migration approach agreed (PSG)

In the absence of an agreed baseline plan but with an agreed baseline MHHS design we expect Participants will still be able to proceed with:
- Impact assessment on the core MHHS design
- Procurement activities for service providers
- Detailed technical design (where Participants are ready or have already started)
- Further development of high-level plans and resourcing to support those plans

Re-plan (current schedule)

- Planning workshops & Round 3 plan preparation
- Round 3 plan assumes migration approach
- Round 3 consultation
- Raise CR, impact assessment
- Ofgem review & decision
- Programme Plan approved (subject to migration approach decision)
- PSG Round 3 start decision (PSG)
- Plan re-drafting
- Plan playbacks and final artefact completion

Alternative Re-plan schedule

(contingent on PSG requiring a more substantial Round 3 consultation)

- Recommend to delay Round 3 until after the migration approach decision is made. This will provide a clearer and more credible Round 3 plan
- Planning Working Groups, planning bilaterals & further plan development
- Round 3 start date to be agreed (PSG)
- Round 3 consultation
- Round 3 plan based on agreed migration approach
- Plan re-drafting
- Raise re-plan CR and gain Ofgem approval
- Programme Plan approved

Recommend that Round 3 consultation begins when Participants will largely be able to provide their delivery plans to validate their ability to participate in SIT – when will that be?

Key:
- Current plan (not recommended)
- Recommended plan
- Indicative plan
- Activity in progress

M5 M3

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Impact and risk mitigation for any deferral of the Re-Plan start

	Impact	Level of Risk to Programme Timelines	Commentary and Mitigating Actions
Deferral of Round 3 consultation	**Positive impacts:** • Allows time to make a decision on the migration / go-live approach and to validate this at December PSG – this is in fact a prerequisite for starting the Round 3 re-plan consultation • That decision provides certainty and a more credible plan for Round 3 consultation **Negative Impacts:** • Longer period before reaching the point at which the plan is re-baselined, could cause Participant uncertainty in terms of what they are expected to do and / or delays in DBT-related activities	**Low** *No expected impact on SIT start date (M9)*	**Participant Actions** • Participants must meet their obligations – reinforced by the recent Ofgem letter. Without Participants reaching and evidencing their readiness for DBT, M3 may be further delayed • In the event of M3 deferral, Participants are in any case expected to continue to progress their DBT-related activities – since the current baseline plan is still the MHHS Transition Timetable. **MHHSP Actions** • Now: communicate the remaining 'plan for the plan' (the next 6 weeks) to reach December PSG • In November: continue work to involve and align Ofgem and the IPA as the plan is developed – this should help minimise the timetable for potential Ofgem approval of any CR related to the plan re-baselining, later • In November: use the Planning Working Group and PPC bilaterals to socialise key elements of the developing Round 3 plan with Participants and improve alignment in the period leading up to Round 3 commencement • In November: LDP account management of core capability providers continues – monthly delivery plan reviews, to ensure that the Round 3 plan adequately represents those parties' plans and delivery risks • For December PSG: MHHSP to update the interim plan as a reportable baseline – and present at December PSG; this to reaffirm expected timelines for Participants' DBT activities (per intended Round 3 plan). **Round 3 requirements** • Per the M3 topic articulated earlier in this PSG presentation, as part of the Round 3 consultation Participants will be required to state their compliance with the M3 criteria <u>and</u> provide 'hard' supporting evidence for each criterion – especially their delivery plans **Proposal:** (1) **Start Round 3 consultation directly after December PSG (subject to decision on migration / go-live approach)** (2) **Participants who wish to join SIT to provide their Round 3 responses (including M3 compliance statements and evidence) by 13-01-22** (3) **Participants who do not wish to join SIT to provide their Round 3 responses (including M3 compliance statements and evidence) by 27-01-22**

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RECCo Change Request

Please refer to Attachment 1

DECISION:
- Provide an overview of Change Request: *"Increase in scope of CCAG ToR and code drafting activities to include consequential change"*
- Make a decision on whether to raise the Change Request to Impact Assessment

Chair

10 mins

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ECO

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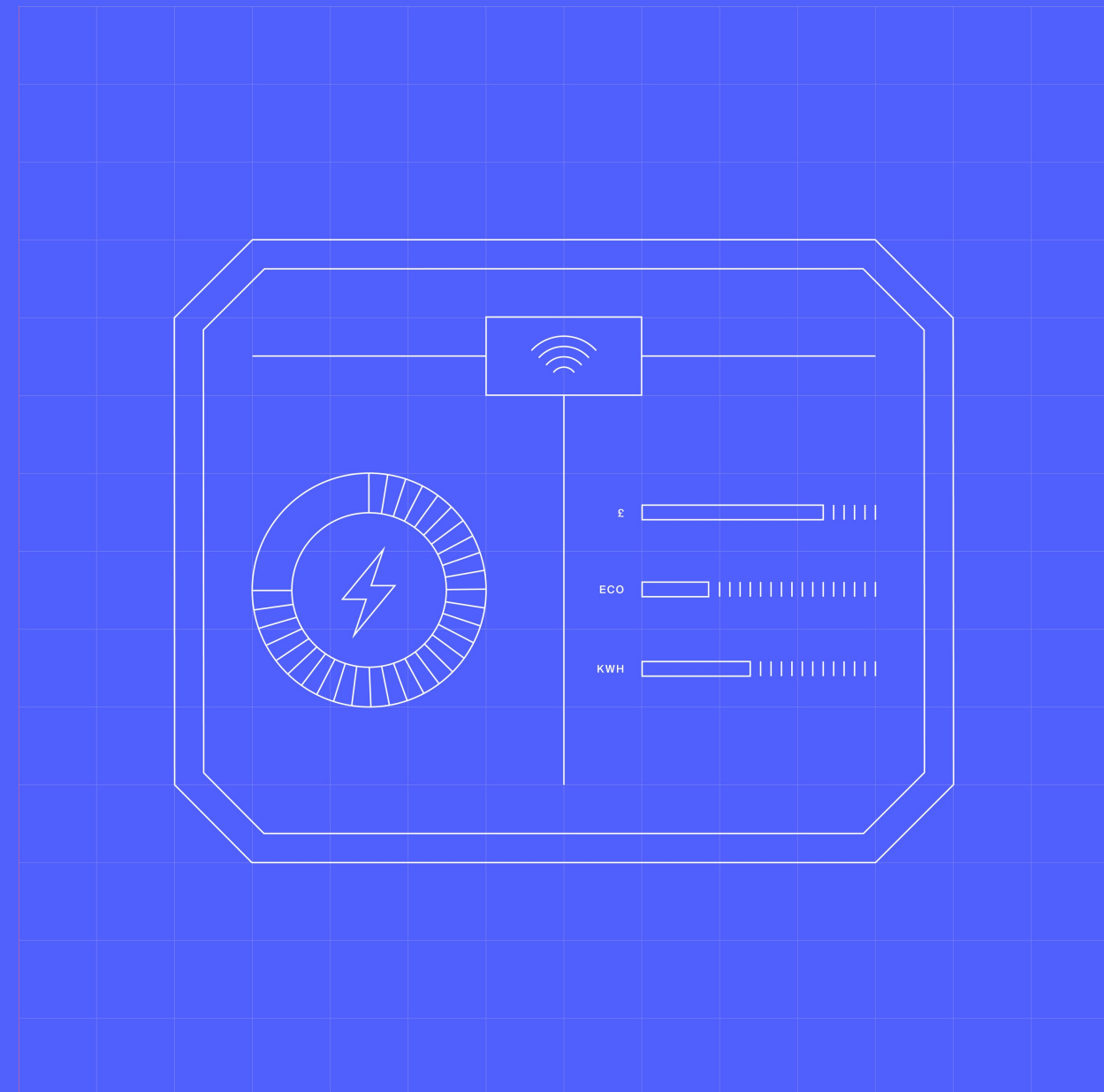
DIP update

Verbal update to be provided in meeting

INFORMATION: Provide an update on the Data Integration Platform (DIP) procurement

Programme (Chris Harden)

5 mins

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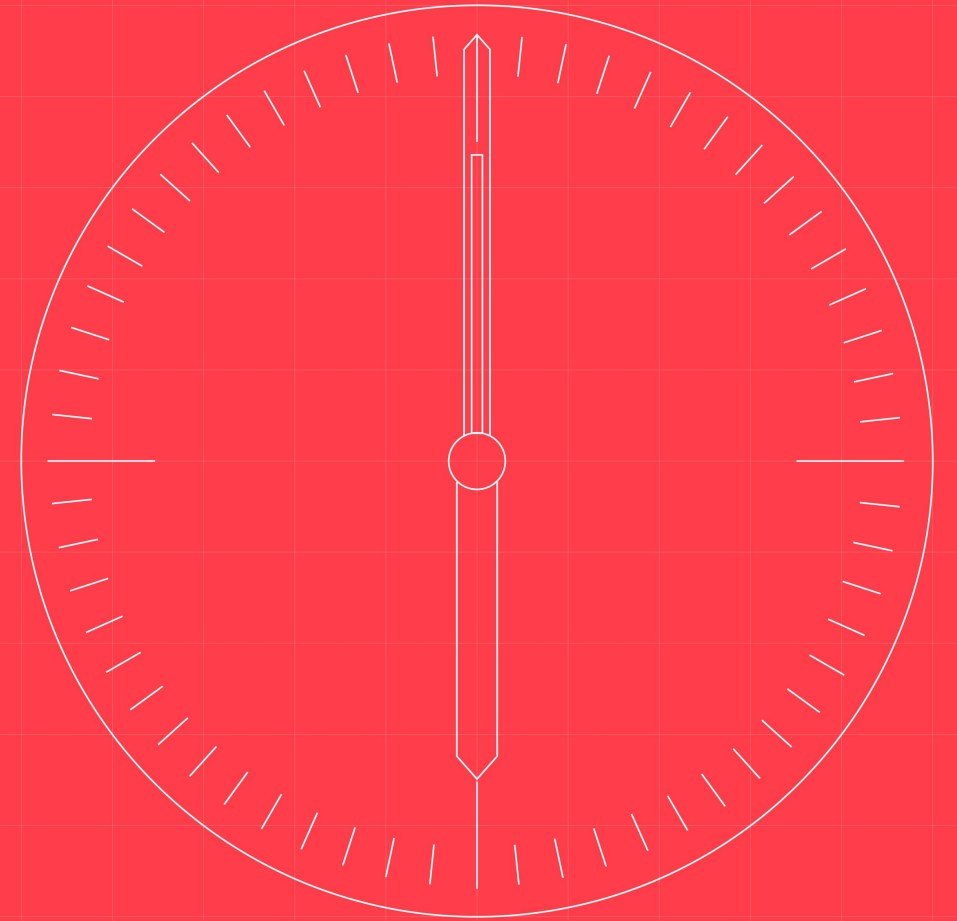
Delivery dashboards

INFORMATION: Take questions from PSG members

Chair

10 mins

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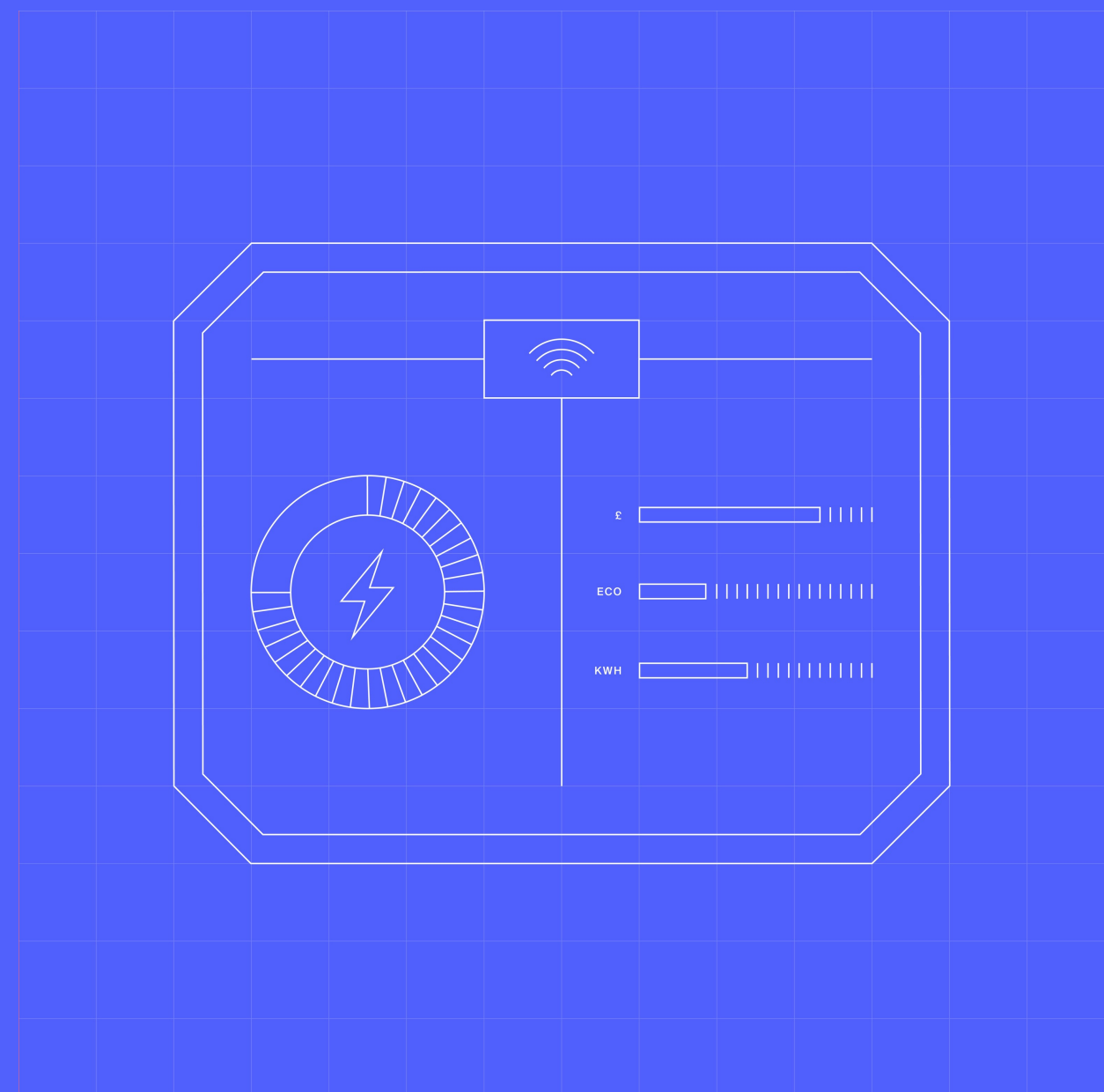
Delivery dashboards - contents

Area	Title	Purpose	Page
MHHSP Programme level	**MHHS Milestone Status**	Provide an overview of progress against Programme milestones	23
	Interim Plan status report	Provide an overview of progress against the Programme interim plan	24
	Risk themes	Provide a high-level view of Programme Risks	25
	Finance	Provide high-level forecast and actual Central Programme expenditure	30
	Change Control	Update on the status of any Change Requests	31
MHHSP workstream level	**Design progress**	*Please refer to the agenda item on Design for this month's content*	N/A
	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	32
	PPC overview	Provide information on PPC activity and participant engagement – includes a summary from the recent open day	34
	Data Integration Platform (DIP) procurement	*A verbal update will be provided in the agenda item on the DIP*	N/A
Assurance	**Independent Programme Assurance (IPA)**	Provide a progress update on in-flight and future planned assurance activities	35
Industry	**Central Party delivery plans**	Provide an overview of Helix and DCC delivery plans and progress against them	36
	Central Party finances	Provide high level Central Party forecast of expenditure against plan	39
	Industry change	• Summarise activity at the Consequential Change Impact Assessment Group (CCIAG) • Summarise items raised to the Programme horizon scanning process	40

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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 01/11/2022

Level		Milestone	Milestone Date		Status	Path to Green – Actions (& related impacts)	Previous RAG Oct PSG	Current RAG Nov PSG	Forecast RAG Dec PSG
			Baseline	Forecast					
1	M5	Physical baseline design delivered	29-Apr-22	31-Oct-22	• DAG approved M5		Green	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	31-Oct-22	• Readiness Assessment 2 does not support M3 milestone being met	• PSG to discuss impact, risk mitigation and next steps	Amber	Red	tbc
	M3	Design, Build Start (iDNOs)	31-May-22				Amber		
	M3	Design, Build Start (Agents)	31-May-22				Green		
	M3	Design, Build Start (Suppliers)	31-May-22				Amber		
	M5 + 3	Industry re-plan	29-Jul-22	tbc	• Round 3 plan requires a decision on the migration / go live approach – due in November and therefore recommended to defer Round 3 start	• PSG to discuss impact, risk mitigation and next steps in relation to Round 3 deferral • MHHSP to confirm 'plan for the plan' and update / extend the interim plan	Amber	Red	Amber
	M4	PMO/PPC/SI/IPA fully functioning	31-Jan-22	Complete			Met	Met	Met
1	M9	Cross-Industry Integration Testing Start	31-Aug-23	TBD	• Date to be determined during the programme re-planning activity.	• 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	31-Jul-23	• This date is M5+9; CR009 changed this date	• Date will be reviewed again during plan re-baselining.	Green	Green	Green
	M7	Smart Meters Act powers enabled	31-May-22	31-Aug-23	• This date is M5+10; CR009 changed this date	• Date will be reviewed again during plan re-baselining.	Green	Green	Green
	M8	Code changes delivered	30-Nov-22	TBD	• As stated in CR003 this date will be delayed and validated by the programme re-plan.	• Per CR003 proposal, a change to M8 will be included in the programme re-planning activity after M5. No impact expected.	Red	Red	Red

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Executive Summary	Plan RAG Status	

- **Interim Programme Plan:** Amber forecast is based on (1) clarification of the scope of the Transition / Migration design to be delivered (per the interim plan) and (2) completion of the re-plan according to current schedule.
- **Design Delivery:** Plan remains on track in line with revised M5 milestone on 31-Oct-22. All design engagement has been completed with decision on M5 scheduled to be taken at DAG on 31-Oct-22.
- **Programme Re-Plan Consultation:** Round 2 of programme consultation concluded on time on 30-Sep-22. Round 3 was initially scheduled to commence on 31-Oct-22, however the Transition / Migration design will not be agreed by this date. Therefore Round 3 will be delayed. A decision will be made at November PSG meeting to confirm when Round 3 should take place. Further work to develop the detail in the programme plan and supporting deliverables such as the milestone register is ongoing. A series of joint workshops with the IPA have taken place to focus on DBT Governance, SIT, Migration and Qualification activities.
- **Readiness Assessment 2 (RA2):** The RA survey has now closed with 90 industry respondents (51%). A series of deep dive sessions with participants have taken place to review the findings and the final report, as well as individual respondent reports, are under development.
- **Top Delivery Challenges:** (1) addressing risks from the Ofgem direction to DCC and the send-back to SECAS for MP162, (2) reaching a conclusion in principle, on the migration approach – supported by clarity on when the Transition / Migration Design will be available, and (3) reaching agreement with all stakeholders on the timeline in any re-baselined plan.

Previous RAG	Amber
Current RAG	Amber
Next period RAG	Amber

Activities due to be completed in October

Task	Workstream	Baseline date	Forecast date	RAG
Close Readiness Assessment 2 survey+	Enduring PMO / PPC Activity	07-10-22	07-10-22	Complete
Control Point 1 preparation (start)	Milestones, Check Points & Readiness Assessments	17-10-22	17-10-22	Complete
Post-M5 preparation and planning for code drafting (start)	Baselining MHHS Code Changes	31-10-22	31-10-22	Green
Migration design development (finish) * subject to provision of detailed plan	E2E Design Delivery	31-10-22	31-12-22 *	Red
Industry consultation Round 3 (start) – ** subject to October PSG decision	Replan development and baselining	31-10-22	31-10-22 **	Red
Approve Environment Approach & Plan	SI Testing & Data	31-10-22	16-11-22	Amber
Review and refresh E2E Integration & Test Strategy (post-design baseline)	SI Testing & Data	31-10-22	31-10-22	Green

Activities due to be completed in November

Task	Workstream	Baseline date	Forecast date	RAG
Consult PPs on Migration Design, Update Migration Design (Design Artefacts)	E2E Design Delivery	30-11-22	30-11-22	Amber
Industry consultation Round 3 (end) – ** subject to October PSG decision	Replan development and baselining	11-11-22	TBC	Red
CR Impact Assessment	Replan development and baselining	30-11-22	30-11-22	Red
Post-M5 preparation and planning for code drafting (end)	Baselining MHHS Code Changes	30-11-22	30-11-22	Green
DIP – MSA Legals	DIP Procurement & Delivery	11-11-22	11-11-22	Green
Control Point 1 preparation (end), Control Point 1 review & publish	Milestones, Check Points & Readiness Assessments	30-11-22	30-11-22	Green
Develop Pre-Qualification Guidance	SI Testing & Data	30-11-22	30-11-22	Amber
Review & sign off RA2 Reports	Enduring PMO / PPC Activity	30-Nov-22	30-Nov-22	Green

RAID ID	RAID Description	Mitigation / Resolution	Resolution Date	Owner(s)	RAG
I036	The existing migration approach is currently not achievable.	• Ongoing analysis and evidence gathering to support the evaluation of migration options • Session with Ofgem on 25-Nov-22 to agree Migration option • Transition / Migration Design planned for delivery by end December 22 in Round 2 re-plan (not part of baseline design at M5) • MWG / TMAG to align on related detailed planning and planning assumptions to support options analysis to present to Ofgem for decision.	30-Nov-22	Chris Harden Keith Clark Ofgem	Red
I042	SEC Change Board has recommended Ofgem reject the currently proposed solution for SEC Mod MP162.	• The Programme is proactively supporting DCC, SECAS and Ofgem in the resolution of the direction from Ofgem to DCC to implement MHHS capacity and the sending back of MP162 to the SEC Panel on the MDR role • Ofgem to make a future decision on SEC Mod P162 or any alternative solution	31-Oct-22	Jason Brogden	Red

Theme	Summary	Mitigation Approach Overview	RAG Status	
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	• CR009 was approved by Ofgem, setting M5 at 31-Oct-22 • Tracking and reporting for design delivery, including alignment with confidence indicators and M5 acceptance criteria was improved • Open design issues and reporting on their status has continued • Design playback sessions were conducted • DAG and M5 success criteria and Cross-Code Advisory Group (CCAG) code drafting requirements were aligned • Consequential Change Impact Assessment Group (CCIAG) continues - to discuss any issues with Participants' end-to-end designs • SI's design assurance activities have concluded, and findings are being provided – capturing evidence on how the design fully delivers the TOM • Remaining risks and issues will be reviewed post-M5 approval and in the context of any agreed work-off plan at that point.	**Previous RAG**	**Amber (21 Risks & 1 Issue)**
			Current RAG	**Amber (18 Risks & 1 Issue)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment																														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	
R191	There is a risk that the decisions required for MP162 could affect overall design timelines, causing a delay if further change deemed necessary for level playing field considerations															I				C						T						• MHHSP proactively supporting DCC, SECAS and Ofgem in resolution of capacity issue and MP162 to implement the MDR role. Ongoing input to development material • Attendance and support to SEC Working Groups for MP162 and the capacity issue • On 26th October 2022, SEC Change Board recommended approval of MP162 • Support to communication (e.g. through The Clock) • Ongoing plan development to ensure consistency between MHHSP & DCC.
R192	There is a risk that the decisions required for Enquiry API could affect design timelines, i.e. delay to the decision on physical resolution for API																I	C							T							• Requirements under discussion with RECCo, noting that a likely outcome would be resolution of this requirement to ECOES (system that holds industry meter point data)
R193	There is a risk that the decisions required for transition could affect overall design timelines. Ongoing discussions around the transition approach between Programme and Ofgem may impact the effort and time required to complete the transition design																I	C							T							• Multiple discussions have taken place (via MWG and with Ofgem), and continue to progress. The aim is to come to an agreement within November 2022, on which of 3 migration approach options is to be adopted • Transition design is expected be delivered soon after M5 – detailed plan to be provided • MHHSP view is that if reverse migration is agreed to be part of the approach, this is an incremental item for the transition design and does not hold up development in this area.

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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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 and M3 dates changed via CR009; the movement of M5 (CR009) allowed more time for more M3-related Participant activities • PPC activities (including Readiness Assessment 2) have been conducted to verify status at M3. The initial RA2 report is being shared at November PSG • Participant engagement has been conducted both via the Design and the Re-planning activities.	**Previous RAG**	**Amber (13 Risks & 1 Issue)**
			Current RAG	**Amber (11 Risk)**

Key Risks

Risk ID	Risk Description	Risk Score Assessment	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 at 25, C at 21, T at 11	+2 increase (19 to 21)	• Ensure a smooth flow of information from the Cross Code Advisory Group • 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.
R049	There is a risk that other Industry initiatives impact MHHS implementation and timetable.	I/C at 22, T at 5	No Change	• Monitor via CCAG and raise risks through that forum • Continual reinforcement to participants to programme timelines and their obligations • To continue to address the need for participants to ensure that they are able to comply with their obligations to operate in accordance with the baselined Implementation Timetable throughout the Programme.
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 at 21/20, T at 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 at 24, C at 14, T at 11	New item in the top 5	• 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 at 24, C at 14, T at 11	New item in the top 5	• Work with PPC and IPA to ensure all parties progress to plan and if not and further intervention required then escalation with 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.

Risk Score Assessment scale: 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)

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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

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 Since the conclusion of consultation Round 2, updates to the Replan artefacts are underway with engagement from senior stakeholders and the IPA ahead of Round 3 consultation commencement (start date subject to decision at PSG)
		  o Industry volunteer parties will reconvene via the Planning Working Group (PWG) to discuss how Round 2 responses have been addressed, and to improve awareness of the re-planning process ahead of Round 3 consultation.
			Previous RAG	**Amber (6 Risks)**

			Current RAG	**Amber (5 Risks)**

Key Risks

| Risk ID	Risk Description	Risk Score Assessment				Score movement since last PSG	Mitigation Plan
		Critical (30–25)	High (24–17)	Medium (16–9)	Low (8–1)		
R025	There is a risk that the 2022 plan re-baseline extends the timescales significantly.	I → C		T		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
R073	There is a risk that the current 15-month period M5 to M9 is not long enough for programme parties to support	I → C		T		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)
R180	There is a risk of delay to rebaselining the Programme plan as expected if participant engagement in consultation rounds (Aug – Nov) is inadequate	C ⇠		I → T		+9 increase (16 to 25)	• Multiple rounds of consultation to improve the likelihood of participant engagement • Plan for consultation shared early with Programme participants • Continue to provide tailored communications / presentations for each constituency • Support participants with playback and drop-in sessions during consultation cycles • Support with further playbacks after the plan has been 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 → C		T	+5 increase (10 to 15)	• Round 2 and Round 3 responses and outcomes • Ofgem consideration of any CR resulting from the re-planning activity (including PP impact assessments) • Ofgem CR approval process

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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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 • 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 (12 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		
R182	There is a risk that Ofgem do not approve SEC Mod P162 with the currently proposed solution in the currently planned timescales or there is a delay to approval whilst the competition issue escalated to IPA from Independent Agents is considered		I C	→→→→	T	No Change	• The Programme is discussing implications with Ofgem, IPA, DCC and SECAS to agree next steps to mitigate impact 2) • Ongoing engagement with SEC through programme attendance at MP162 governance groups and SEC representatives attendance at DAG for any MP162 discussions. • SEC Change Board recommendation to approve MP162 from meeting 26/1/2022 • 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
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	No Change	• Discussions ongoing with DCC - Complete this is subject to the replan activity • This may need to be revisited if R182 becomes an issue
R230	There is a risk that data cleansing of new MHHS Data is not completed in advance of Migration (including data established through BSC CP1558)		I C	→→→	T	No Change	• Internal discussion to establish our proposed way forward • Further discussions then required with Code Bodies and St Clements
R227	There is a risk that the migration approach needs to change if BSC Mod P432 is rejected		I C	→→→→	T	No Change	• Discussed with Elexon, seen as reasonable assumption that sites will be migrated in advance of M10. Need to monitor ongoing and discuss with Elexon and Ofgem. Elexon to return to Ofgem 30/11. Dependent on DCUSA Modification • Continue to discuss at CCAG
R228	There is a risk that implementation of BSC CP1558 is delayed beyond SIT for new data items required for MHHS			I C →→	T	No Change	• Monitor implementation of CP

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	
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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)
1. MP162 **SEC Change Board has recommended Ofgem reject the currently proposed solution for SEC Mod MP162.**	• 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**	• 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. • MHHSP attended SEC Change Board 26/10/2022 where MP162 was agreed to be recommended for approval by a majority	• Liaison with Ofgem on future decision on SEC Mod P162 or any alternative solution • Assess the impact of any agreed next steps on the Programme (in terms of scope, design and plan).	• MHHS Programme • Ofgem • SECAS • DCC • IPA
2. Migration **The existing migration approach is currently not achievable.**	• 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**	• 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.	• The Programme continues to assess migration options with the Migration Working Group and liaise with Ofgem and the IPA • Programme Participants will need to impact assess their position for adopting any preferred approach and provide quantitative data where possible into the Programme.	• MHHS Programme • Ofgem • All Participants

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

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Headline: September actuals slightly below budget due to delays in recruitment.

2022/23 overview

The current year's forecast remains at £19.5M

- The DIP estimate will be validated once the contract is awarded late in Q3. 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 August underspend has been added to the contingency.

2022/23 budget vs actual
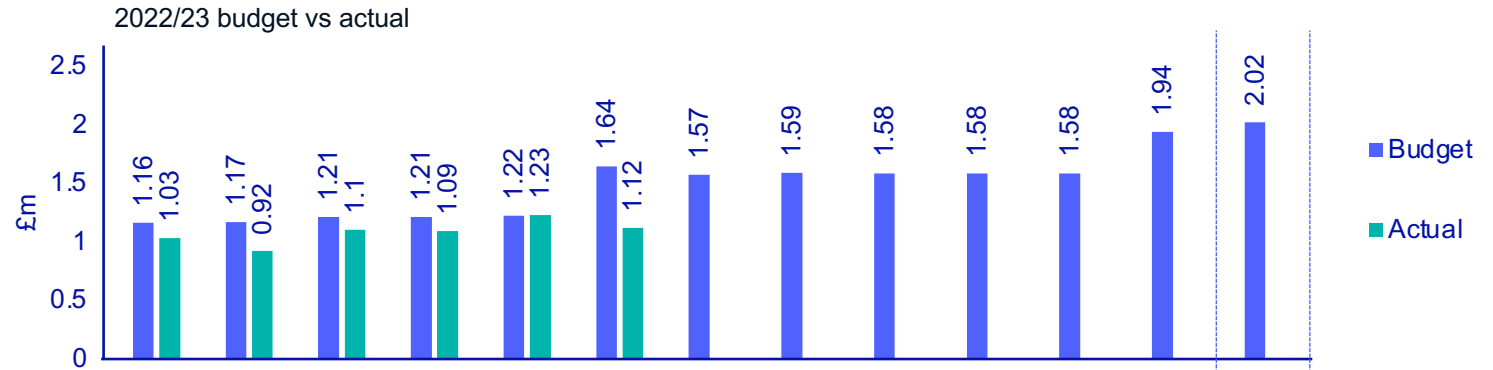
	Apr 22	May 22	Jun 22	Jul 22	Aug 22	Sep 22	Oct 22	Nov 22	Dec 22	Jan 23	Feb 23	Mar 23	Conting-ency	Total
22/23 budget (£M)	1.16	1.17	1.21	1.21	1.22	1.64	1.57	1.59	1.58	1.58	1.58	1.94	2.02	**19.47**
October PSG Forecast (£M)	1.27*	1.17*	1.18*	1.24*	1.22*	1.63*	1.29	1.34	1.81	1.75	1.81	1.78	3.20	**19.47**
Actual (£M)	1.03	0.92	1.10	1.09	1.23	1.12								

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

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Ref.	Key Detail	Change Raiser(s)	Change Type	Decision	Status	Action *If approved*	Owner(s) *If approved*
CR001	M5 to July 2022	MHHS Programme (Jason Brogden)	Full Impact Assessment	Ofgem Approved (21/04)	**Complete**	Updated MHHS Transition Timetable	MHHS Programme (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	MHHS Programme (Jason Brogden)
CR004	Changes to TAG and Governance Framework	MHHS Programme (Jason Brogden)	Housekeeping	Change Board approved (24/03)	**Complete**	Updated MHHS Governance Framework	MHHS Programme (Jason Brogden)
CR005	Programme Cooperation Principles	MHHS Programme (Jason Brogden)	Full Impact Assessment	PSG approved (04/05)	**Complete**	Updated MHHS Governance Framework	MHHS Programme (Jason Brogden)
CR006	Changes to DAG and Governance Framework	MHHS Programme (Fraser Mathieson)	Housekeeping	Change Board approved (26/04)	**Complete**	Updated MHHS Governance Framework	MHHS Programme (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	MHHS Programme (Jason Brogden)
CR009	M5 and M3 milestone date changes	MHHS Programme	Full Impact Assessment	Ofgem Approved (01/09)	**Complete**	Updated MHHS Transition Timetable	MHHS Programme (Jason Brogden)
CR010	Inclusion of the Full Plan Review PM2 activity within Programme Governance	Graham Wood, Large Supplier Constituency	Not applicable	Withdrawn by Change Raiser (28/07)	**Closed**		
CR011	Update to the Programme Interim PoaP to reflect decisions made at September 2022 PSG	MHHS Programme (Joe Deal)	Housekeeping	Change Board approved (27/09)	**Closed**	Updated Programme Interim PoaP	MHHS Programme (Joe Deal)
CR012	Increase in scope of CCAG ToR and code drafting activities to include consequential change	Sarah Jones, RECCo	Full Impact Assessment	Change Board validated (27/10)	**Open** *For decision at Nov PSG to raise to Impact Assessment*		

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Discussion summary from this month's Advisory Groups

Design Advisory Group (DAG)

Update from DAG 14 October 2022

1. **SEC MP162 –** Ofgem have directed the SEC Panel to work up options for the implementation of the new Meter Data Retrieval (MDR) role. The Programme has responded to the SEC Change Board's consultation. Ofgem have published an RFI on DCC capacity options.

2. **Transition Approach** – Participants were invited to provide quantitative evidence in support of migration options under discussion at the Migration Working Group. The Programme will then discuss with Ofgem.

3. **Design Status Update** – Responses to all consultation comments and updated design artefacts were published 17 October 2022. A work-off list will be published 19 October 2022. Updated interface specifications and Operational Choreography will be published 24 October 2022. Assurance sessions will be held 27 October 2022.

4. **M5 Decision Process** – An evidence pack for the DAG acceptance criteria will be published 24 October 2022. Relevance to CCAG criteria also.

5. **Design Assurance Update** – TOM deemed acceptable, and effective engagement demonstrated.

DAG Headline Report available here.

Cross-Code Advisory Group (CCAG)

Update from 26 October 2022

1. **Horizon scanning –** code bodies provided updates on relevant code changes in the Horizon Scanning log

2. **Regulatory code freeze –** the CCAG discussed the possible approach managing code changes at go live and how a code freeze may work

3. **Delivery of M7 and M8 –** the CCAG discussed the plan and approach to delivering M7 and M8

4. **M5 Success Criteria and Prototyping report** - the CCAG heard an update on M5 Success Criteria and prototyping and the implications for M5 and code drafting

5. **Consequential Change Code Drafting Approach –** the CCAG discussed the approach to code drafting consequential code changes. RECCo raised a Change Request to change the scope of CCAG and code drafting to include consequential changes

6. **CDWG update –** the CCAG agreed to hold a Code Draft Working Group (CDWG) in November

The CCAG headline report is available here

Testing and Migration Advisory Group (TMAG)

Update from TMAG 19 October 2022

1. **Migration options –** the Programme will update on progress of the migration options, next steps and the role of TMAG.

2. **Programme replan –** the TMAG will review testing and migration responses from the round 2 replan and discuss the approach to participant involvement in SIT

3. **Environments approach and plan** – the TMAG will hear an overview of the plan and an update on progress of its development

4. **Working group updates** – the TMAG will hear an update from the four TMAG working groups

TMAG papers are available here.

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Design Advisory Group (DAG)

Meeting date	12-Oct	31-Oct	09-Nov	14-Dec	Jan 23

Agenda items	• Design status update
	• M5 decision process
	• Transition approach
	  DAG design principles
	• Design assurance summary
	• CCIAG update
		M5 decision
		• Meeting governance
		• Overview of design development
		• L4 Assurance outcomes and work-offs
		• SI Assurance report
		• IPA Assurance report
		  Design Baseline report
			• Post-M5 work off
			• Change Requests
				• Post-M5 work off
				• Change Requests
					• Post-M5 work off
					• Change Requests

Standing items	• Minutes and actions • Programme updates • DAG Design Principles • MHHS Design Dashboard • L4 working group report • Summary and next steps	• Minutes and actions • Programme updates • DAG Design Principles • MHHS Design Dashboard • L4 working group report • Summary and next steps	• Minutes and actions • Summary and next steps • Programme updates	• Minutes and actions • Summary and next steps • Programme updates	• Minutes and actions • Summary and next steps • Programme updates

Cross-Code Advisory Group (CCAG)

Meeting date	26-Oct	23-Nov	21-Dec	Jan 2023	Feb 2023
Agenda items	• Regulatory code freeze • Delivery of M7/M8 • M5 Success Criteria and Prototyping Report • Consequential Change Code Drafting Approach • CDWG update	• Code drafting approach • CCAG status report draft	• M6: Code drafting as per plan • Code draft reporting	• M6: Code drafting as per plan • Code draft reporting	• M6: Code drafting as per plan • Code draft reporting
Standing items	• Minutes and actions • Programme updates • Horizon scanning log • L4 plan and WG status report	• Minutes and actions • Programme updates • Horizon scanning log • L4 plan and WG status report	• Minutes and actions • Programme updates • Horizon scanning log • L4 plan and WG status report	• Minutes and actions • Programme updates • Horizon scanning log • L4 plan and WG status report	• Minutes and actions • Programme updates • Horizon scanning log • L4 plan and WG status report

Testing and Migration Advisory Group (TMAG)

Meeting date	19-Oct	16-Nov	21-Dec	Jan 2023	Feb 2023
Agenda items	• Migration options • Programme re-plan review • SIT participants • Environments Approach and Plan	• Programme re-plan • SIT participants • Qualification/pre-qualification • Environment Approach and Plan approval • Migration options next steps	• Programme re-plan • Migration, Cutover & Data Strategy update • Qualification update • Propose changes to E2E Testing & Integration Strategy	• Test Data Approach and Plan approval	• Data Assessment Report approval • Migration, Cutover & Data Strategy approval • Environments Approach and Plan review
Standing items	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap	• Minutes and actions review • Programme updates • Working group report • Next steps and agenda roadmap

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

DBT Readiness and Mobilisation
- RA2 has been used to assess Participant Readiness, Mobilisation and timelines.
- **90** of **177** Participants have responded to RA2 (**51%**). This includes **98%** of the Supplier market by MPANs, **100%** of DNOs, **100%** of Central Parties and **81%** of Agents by market share.
- The PPC team also ran a series of Deep dives with **17** Participants to understand greater detail
- Key themes include:
    - **Fears of regret spend prior to M5 and replan.** Many organisations continue to await a baselined design and replan before they commit resources to MHHS
    - **Competing Priorities.** Issues such as market conditions, EBRS implementation and FSP post go-live activities continue to be higher priorities
    - **DBT Readiness often actually ahead of Programme schedule.** Different interpretation of "DBT" meant that many Participants are ahead of schedule and have prepared to begin technical design on 01 Nov.
- **Next steps:**
    - Programme to make a decision on progression through M3 using RA2 data
    - PPC to escalate lack of Small Supplier engagement with RA2 and Deep Dive interviews
    - Various owners across the Programme to prioritise giving clarity on SIT, Migration and DIP procurement to Participants over the coming weeks/months
    - PPC to gather Six points of contact for key Participants still yet to provide them

Communications channels
- The PPC team provides ongoing management of the Collaboration Base.
- There are over **650** users of the Collaboration Base and **45%** logged in the month of September.
- The PPC team seek feedback from Participants in bilateral conversations
- **Next steps:** Team to analyse results of a survey sent to Participants about the website and Collaboration Base and make changes accordingly

Participant Engagement by Constituency

The PPC team held **25** bilateral meetings with Participants this month. The chart below shows the percentage of these Participants in each Constituency that were met.

% Participants met, by Constituency

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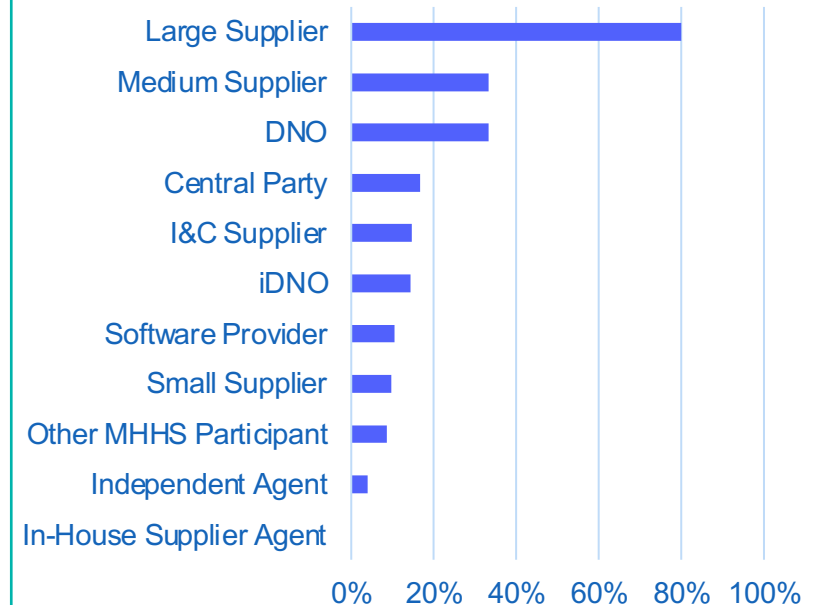
Dashboard Objective: To provide PSG with a progress update on in-flight and future planned assurance activities. Assurance themes and agreed actions will be shared with PSG on a quarterly basis with specific Work Package (WP) assurance reports shared in the lead up to key milestones.

Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1) -** *Monthly cadence of interactions with MHHSP to support embedded assurance -* **In Progress**

- **MHHS Programme Plan (WP3) -** *Embedded assurance in programme re-plan activity -* **In Progress - IPA report to be provided for 7 December PSG**

- **Design Documentation (WP4) -** *Embedded assurance in design activity -* **In Progress - IPA report to be provided for 31 October DAG and 2 November PSG**

Stage-Based Assurance

- **Market Participants' Readiness for D&B (WP8) -** *Assurance review of Readiness Assessment 2* **- In Progress - IPA report presented in 2 November PSG**

Upcoming Assurance Activities

Theme-Based Assurance

- **Assure Readiness for PIT (WP9), SIT (WP10), System Proving (WP11) & Completion of Migration (WP13) -** *Assurance activities to commence in 2023 in line with re-plan*
- **Revision of the Independent Programme Assurance Framework and assurance plan -** *To be updated following completion of Programme Replan*

Assurance Action Status

IPA Baseline Assurance Healthcheck

- *Final Report issued on 21 October with Management Responses included*
- *Recommendation progress to be tracked through the MHHSP Quality Manager*

ELEXON

Helix Programme Update

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

Helix is 6 months into the DBT phase and on track to deliver against the original MHHS plan. Delays with the MHHS design has caused some re-work, DBT progress is dependent upon resolution of TR4 comments and the MHHS re-plan will impact the Helix timeline and budget.
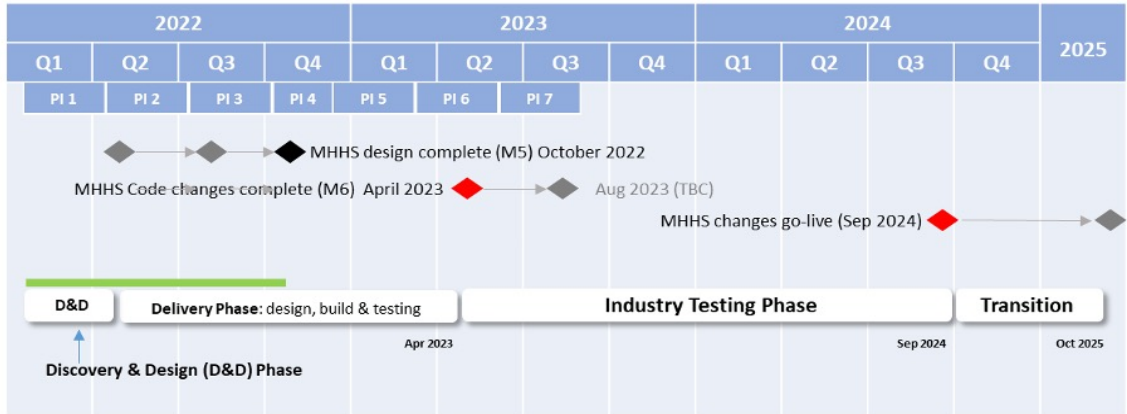
Milestone	Baseline Date	Status
Programme mobilised	17/01/2022	Complete
Discovery & Design phase	22/04/2022	Complete
Delivery phase start	20/04/2022	Complete
Delivery phase ends	28/04/2023	Impacted
Industry testing phase starts	01/05/2023	Impacted
Industry testing phase ends	27/09/2024	Impacted
Helix changes go-live	30/09/2024	Impacted
Transition phase starts	30/09/2024	Impacted
Transition phase ends	26/09/2025	Impacted

- Helix is 6 months into the Delivery phase (DBT) where we are iteratively building & testing the changes for the new MHHS services

- The regular programme wide solution demos show working software across the teams which is a real indicator of progress

- Integration testing of the new service features is ramping up and early performance testing has started within the teams

- Helix DBT progress will be delayed if Tranche 4 comments aren't resolved by end October and the Migration design isn't completed by the end of November

- The Tranche 4 review has identified a number of items that will cause re-work to what has already been built and tested. Impact assessments in progress to understand the amount of re-work effort. The risk of re-work will continue until all MHHS designs, including the Transition design, are baselined

- The MHHS re-plan will impact the Helix timeline and budget. Options being assessed to minimise the cost impact of the MHHS timeline delays. Elexon Transformation Committee scheduled for 22 November to make decision on which option to progress. This is dependent upon PSG recommendation by 16 November

- The MHHS environment plan requires participants to have 4 environments to link to each of the 4 MHHSP environments. This will drive additional unexpected costs for Elexon (Helix). We are working with Kate Goodman to identify options to minimise the number of environments, especially where legacy Elexon apps are required.

- Elexon (Helix) continue to work with MHHSP to clarify the scope and responsibilities for MHHS changes to the Performance Assurance Framework and Qualification

▽ Deterioration   △ Improvement   ⬌ No Change

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

Status Summary

- **Change Sub Committee (CSC) concluded. Industry resistance to the overall programme still being encountered.**
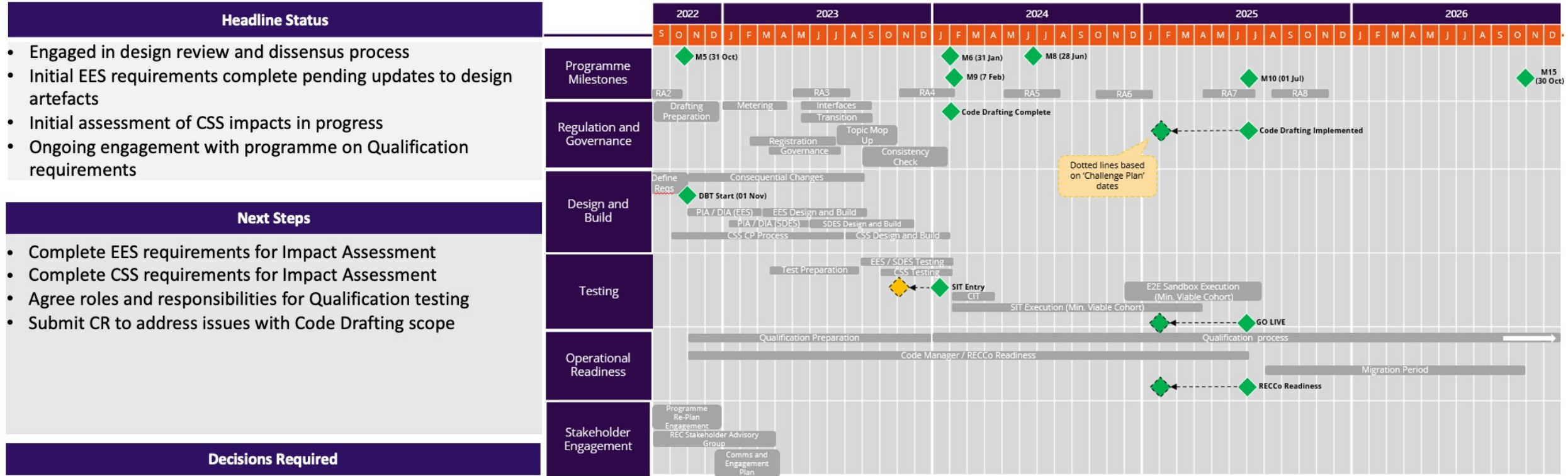- **REC Programme engaged to manage dependencies on MHHS design.**

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	G
Ofgem Authority obtained	31/08/2022	G

Next Steps

- **Work up a revised End to End plan aligned to a February 2024 implementation.**
- **Carry out a Portfolio level impact assessment of the revised plan together with an updated cost to risk profile.**
- **Ensure that stakeholder engagement is maintained during this transition phase from Plan-A to Plan-B.**

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.	RMc	May-22

Data Communications Company

Headline Status

- Engaged in design review and dissensus process
- Initial EES requirements complete pending updates to design artefacts
- Initial assessment of CSS impacts in progress
- Ongoing engagement with programme on Qualification requirements

Next Steps

- Complete EES requirements for Impact Assessment
- Complete CSS requirements for Impact Assessment
- Agree roles and responsibilities for Qualification testing
- Submit CR to address issues with Code Drafting scope

Decisions Required

- Transition design required to complete detailed impact assessment.
- Decision on allocation of Market Role codes in ISD for new and existing services to complete detailed impact assessment.
- Decision on RECCo role in Qualification
- Decision on new CR on Code Drafting scope

Gantt chart (Programme timeline 2022–2026)

Programme Milestones: M5 (31 Oct), M6 (31 Jan), M9 (7 Feb), M8 (28 Jun), M10 (01 Jul), M15 (30 Oct)

Regulation and Governance: RA2, Drafting Preparation, Metering, RA3, Interfaces, Transition, Registration Governance, Topic Mop Up, Consistency Check, RA4, Code Drafting Complete, RA5, RA6, Code Drafting Implemented, RA7, RA8

Dotted lines based on 'Challenge Plan' dates

Design and Build: Define Reqs, DBT Start (01 Nov), Consequential Changes, PIA / DIA (EES), EES Design and Build, PIA / DIA (SDES), SDES Design and Build, CSS CP Process, CSS Design and Build

Testing: Test Preparation, EES / SDES Testing, CSS Testing, SIT Entry, CIT, SIT Execution (Min. Viable Cohort), E2E Sandbox Execution (Min. Viable Cohort), GO LIVE

Operational Readiness: Qualification Preparation, Code Manager / RECCo Readiness, Qualification process, Migration Period, RECCo Readiness

Stakeholder Engagement: Programme Re-Plan Engagement, REC Stakeholder Advisory Group, Comms and Engagement Plan

Key Milestones & Deliverables

Key Milestones & Deliverables	Forecast Date	RAG
DBT Start	01/03/2023	G
Code Drafting Complete	31/01/2024	G
SIT Entry	07/02/2024	G
Code Drafting Implemented	01/07/2025	G
RECCo Readiness	01/07/2025	G
GO LIVE	01/07/2025	G

Green = On Track, Amber = At Risk or Late, Red = Late Critical Path / Missed, Blue = Complete

REC
THE RETAIL ENERGY CODE COMPANY

Central Party budgets

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	1.09	1.23	1.12	1.29	1.34	1.81	1.75	1.81	4.98*	**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	2.12	2.07	2.21	1.74		2.81		**19.80**
Helix Actual/Forecast	0.96	1.98	1.82	1.52	1.95	1.85	2.07	2.21	1.74		2.96		**19.06**
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	0.01	0.03	0.02	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**	**3.79**	**3.67**	**3.83**	**3.35**		**7.10**		**40.76**
Total Forecast/Actual	**1.99**	**2.90**	**2.93**	**2.62**	**3.21**	**2.99**	**3.39**	**3.58**	**3.58**		**7.65**		**39.85**

Please note:
- * : Includes contingency
- RECCo and DCC costs include only 3rd party costs (do not include internal resources)
- Helix budget is approved to December to the end of PI4. Total Budget for specifically Helix costs for the year amounts to £16.2m, with £3.6m specifically for SVAA re-development.
- DCC data shared to August and subject change when service providers are contracted after Change Board decision.

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Industry change

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

CCIAG metrics

The following graph summarises consequential change activity taking place via the CCIAG

- No. discussion items raised — 23
- No. items discussed — 23
- No. items concluded — 0
- Actions assigned to participants — Closed: 6 | Open: 11 — 17
- Actions assigned to Programme — Closed: 12 | Open: 10 — 22
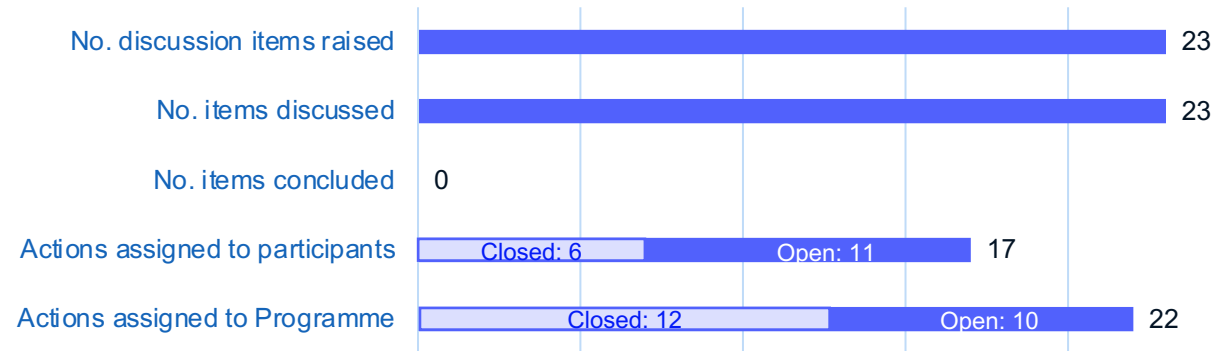
Key topics under discussion

- Removal of EACs and AAs
- Removal of SSCs and TPRs
- Related MPAN definition
- Settlement performance assurance
- Supplier exception processes
- Linking import/export meters
- SDEP messaging
- CCIAG meeting papers available here

Magnitude of items

The CCIAG's assessment and categorisation method is still under development, however no matters have yet been raised which require significant change to MHHS design artefacts.

The majority of matters currently under discussion by the CCIAG relate to the Retail Energy Code and Supplier processes based on data items which will be removed under MHHS – as such, there are ramifications for participants, and the Programme is collaborating via CCIAG to mitigate impacts. Performance assurance, Industry Standing Data (ISD), and other systems impacts (e.g. entity codes) are also under discussion.

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

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

- No. items raised to Horizon Scanning Log — 30
- No. items awaiting further information or MHHSP assessment — 5
- No. items with no/low impact on MHHSP or no MHHSP action required — 13
- No. items being managed via MHHSP RAID framework — 9
- No. items to be monitored for development outside RAID framework — 2
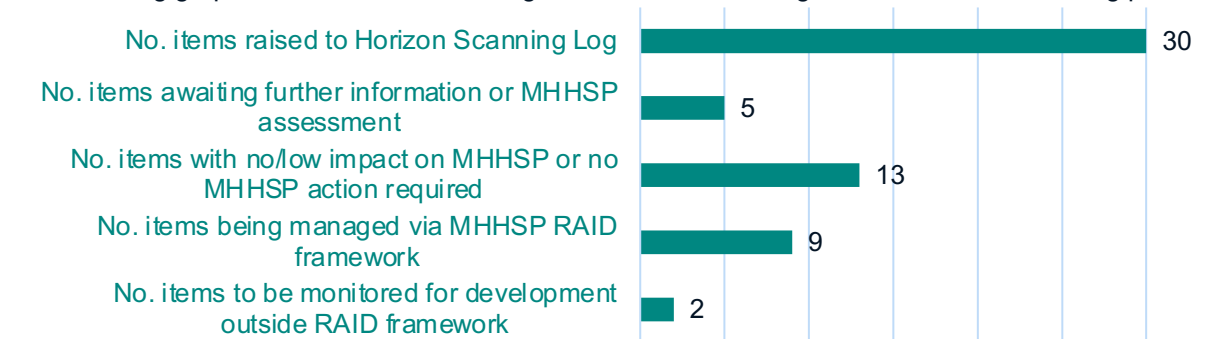
More information can be found via the CCAG meeting papers

Horizon Scanning Process

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

Industry code changes: 25 – REC: 10, BSC: 7, SEC: 4, DCUSA: 4

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

Criticality of horizon scanning items – High: 5, Medium to High: 3, Medium: 2, Low: 13

Top RAID linked items:

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

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Sponsor update

INFORMATION: Hear key messages from the Programme sponsor

Ofgem Sponsor (Rachel Clark)

5 mins

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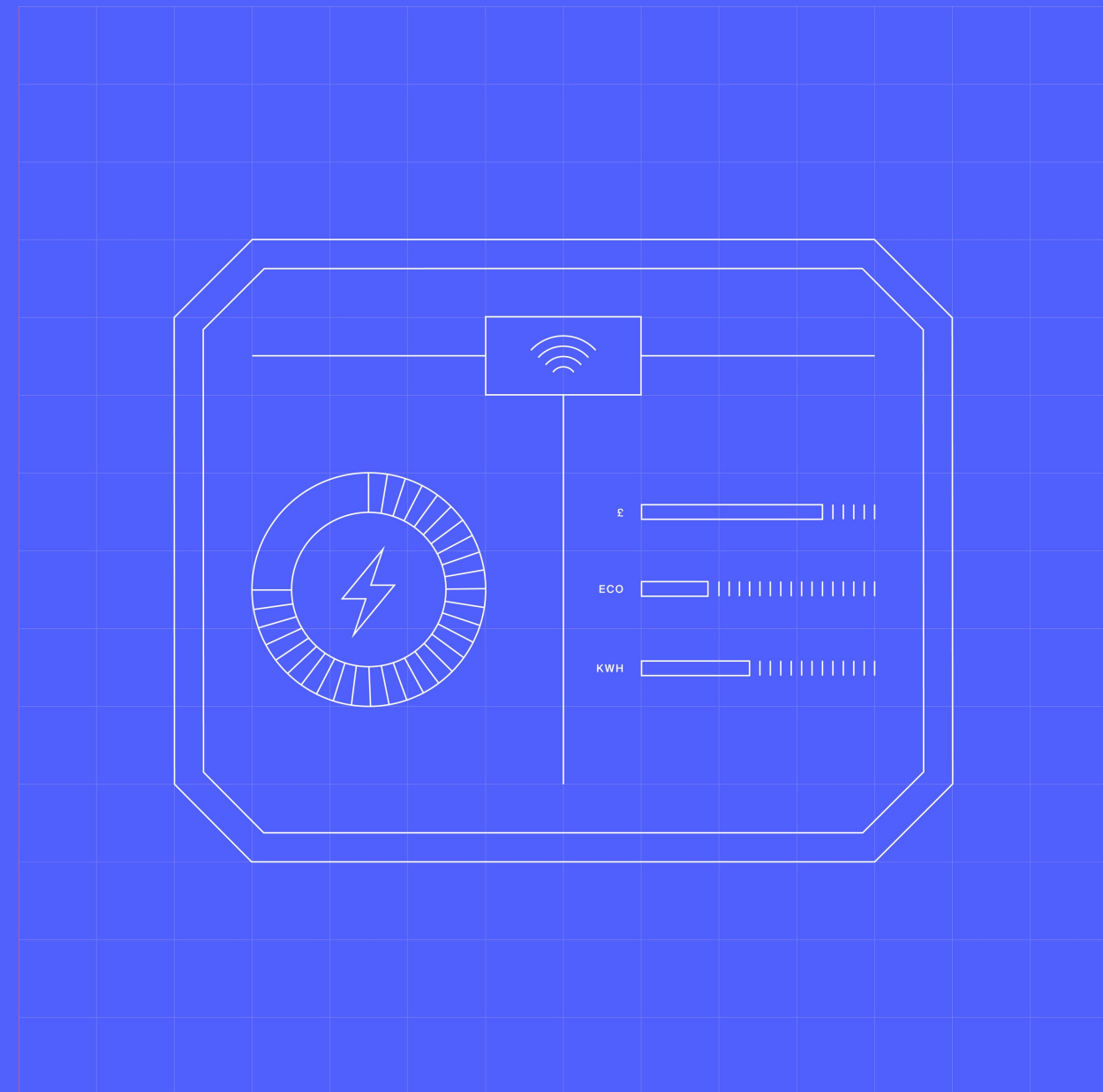
Following escalation to Ofgem from the Programme, Neil Lawrence, Director of Retail at Ofgem, last wrote on 17 October to programme participants to make the following points:

- MHHS is a vital enable for flexibility and the country's journey to Net Zero

- Ensuring that MHHS is implemented as soon as is practicable remains a high priority for Ofgem and for the Government

- All programme participants should focus on ensuring that MHHS can be successfully implemented as soon as possible

- The current re-plan activity is vital to the success of the programme and must be informed by robust evidence

- You will need to provide both quantitative and qualitative information about the impacts (including any associated costs or risks), on your systems and business processes, of meeting potential timelines.

- We expect the programme to make an informed recommendation to Ofgem on the outcome of the replan exercise

- In the absence of credible evidence about costs and risks it will be open to Ofgem to use its powers under the Balancing and Settlement Code to direct industry to deliver MHHS on a timetable that Ofgem considers more appropriate.

We have had a large number of responses confirming organisations' willingness and intention to provide meaningful information to the programme as it works through the replan. We urge you and all programme participants to ensure that this happens so that a credible, well-informed and robust plan can be developed that will lead to MHHS implementation on the fastest possible timeline.

Respondent Comments
Relating to a <u>very</u> small number of respondents

- Concerns over reverse migration
- Poor engagement for suppliers in the Programme
- More detail on the approach needed for SIT, qualification and migration.
- Lack of transparency on how feedback is considered by MHHSP
- A firm date is needed to incentivise supplier readiness

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Summary and next steps

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

Chair and Secretariat

5 mins

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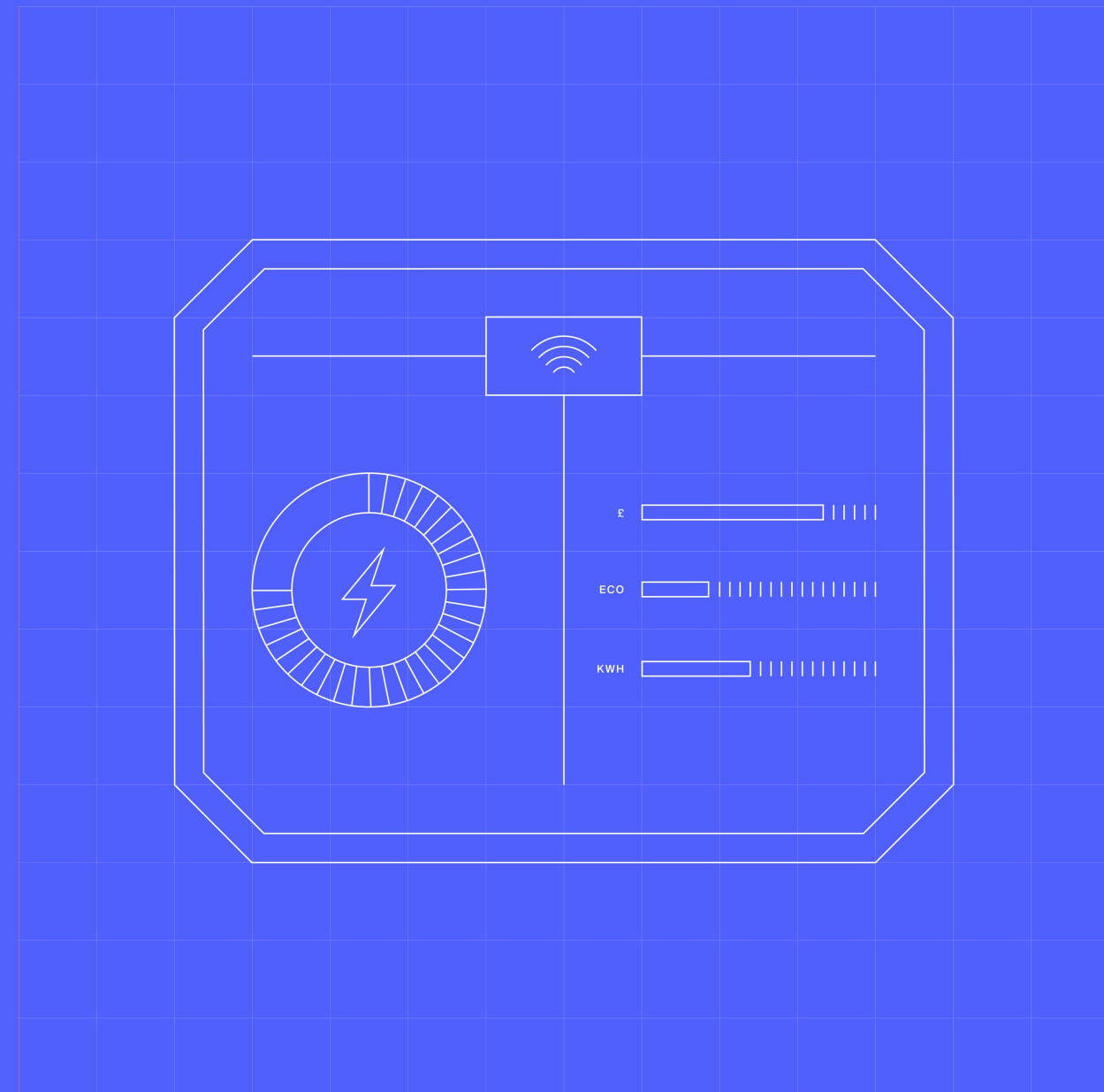
Summary and next steps

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

2. **Date of next PSG: 07 December 2022 10:00 - 12:00 – this will be an in-person meeting**

Main agenda items	Standing items
• Control Point 1 • Migration options decision • Programme replan • Follow ups as required to M3 and M5 decisions • RECCo Change Request – review outputs of Impact Assessment and make decision	• Minutes and action review • Programme dashboards • Sponsor update • 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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Appendix

1. Readiness Assessment 2 report
2. Summary outputs from Round 2 of consultation of the Programme replan
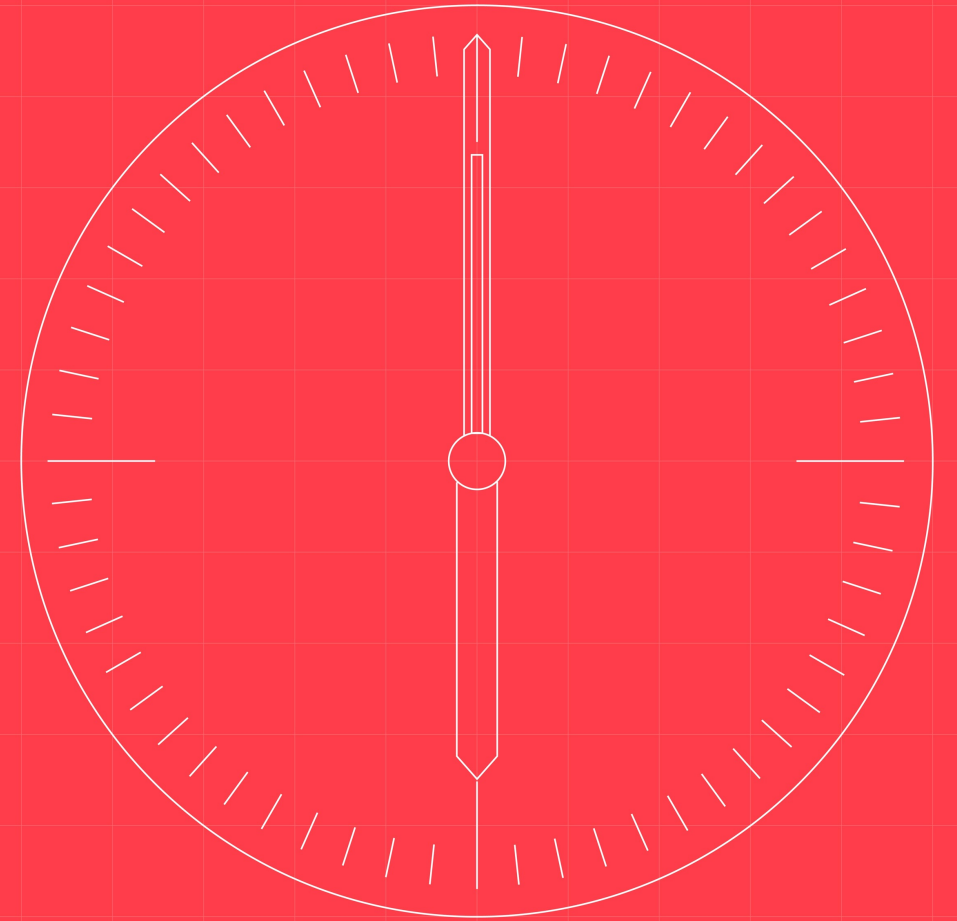
Readiness Assessment 2 purpose

What is the purpose of the Readiness Assessment 2 report?

The purpose of this report is to provide PSG with information derived from Readiness Assessment 2 (RA2) which will be useful in making a decision on M3 at the November PSG. It assesses whether or not Participants are ready to start DBT by comparing their progress to the criteria for DBT readiness set out in CR009.

What is the intended audience of this report?

This report is for the PSG in November, with a fuller summary report being available for December PSG.

More detailed reporting is being provided by the LDP PPC team to the SRO team and to the IPA.

What methodology was used in RA2?

On 16th September a self-assessment survey was sent to the principal contact(s) in 177 MHHS Participant organisations. After this survey closed on 7th October, the PPC reviewed the evidence that Participants had submitted and conducted a series of deep-dive interviews to validate the self-assessments. These were completed on Friday 21st October, and an initial M3 report was presented to the SRO team on Monday 24th October.

The Five Criteria for DBT Readiness (in CR009)

The following five conditions are set out in CR009 and form the basis of RA2. These conditions form the entry criteria for the DBT phase of the programme.

Five Conditions for DBT Readiness in CR009
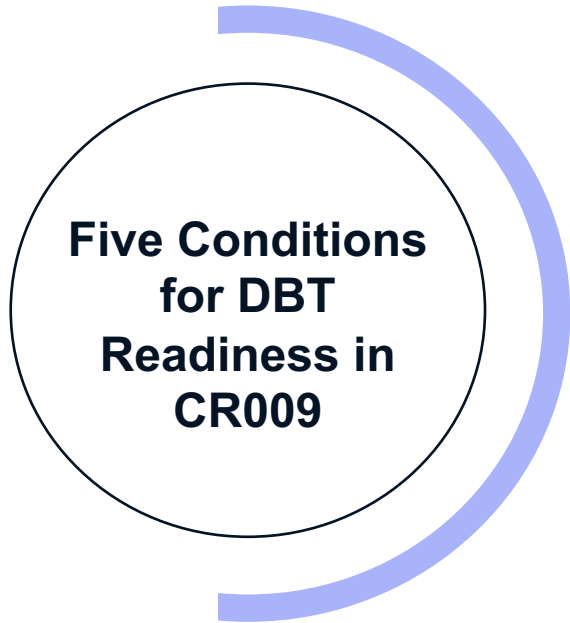
Programme Plan
A high-level project plan is in place, which provides sufficient detail (including resource plans) for the next stage of the Participant's delivery activities and outlines (possibly at a higher level) subsequent delivery stages to the end of the project. This project plan should be aligned to the programme's revised and proposed programme plan(s).

Business Case or Funding
An outline Business Case or other funding instrument is in place, approved by an appropriate investment committee or is at least in the process of being approved – which provides for the necessary funding of the next stage(s) of the Participant's delivery plan according to the Participants own delivery methodology.

Points of Contact
Relevant Points of Contact have been shared with the Programme. As per the request made by the programme's PPC function these would ideally be: Board-level MHHS Programme Sponsor; Programme Director/Delivery Lead; Design Lead; Test Lead; PMO Lead; Regulatory Lead – although each Participant is expected at M3 to share the appropriate contacts that they have in place to support their delivery plan at that point.

TOM, Design & Plan Understanding
A sufficient understanding of the Target Operating Model, MHHS Design and proposed programme plan to adequately inform the points above.

Readiness to start activities required to reach detailed design
If not already started, readiness to start activities required to reach detailed design at the earliest point after M3 (per the high-level project plan). These may include a High-Level Impact Assessment of the MHHS Design and the identification of required IT Service Providers (where relevant)

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Responses to Readiness Assessment 2

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Response Rate (by number of participants)

The RA2 response rate was strong among Large Suppliers, Medium Suppliers, DNOs & Central Parties. It was comparatively weak among Software Providers & Small Suppliers.

Constituency	Invited	Responded	Response Rate
Central Party	4	4	100%
DNO	6	6	100%
Large Supplier	5	5	100%
Medium Supplier	6	6	100%
In-House Supplier Agent	7	6	86%
iDNO	14	10	71%
I&C Supplier	41	24	59%
Small Supplier	30	11	37%
Independent Agent	23	8	35%
Software Provider	38	13	34%
Other MHHS Participant	3	1	33%
Total	177	94	53%

Response Rate by Constituency
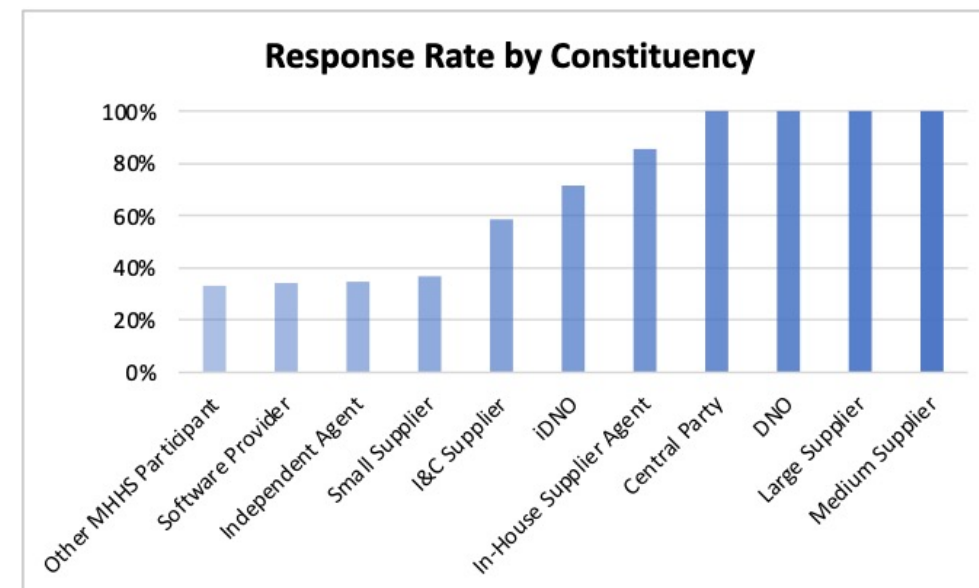
Key Points:

- The overall response rate (**53%**) is higher than in RA1 (**46%**). This grows significantly when measured by market share (see next slide).
- A very strong response rate was seen among critical constituencies such as Large Suppliers (**100%**), Medium Suppliers (**100%**), DNOs (**100%**) and Central Parties (**100%**).
- The majority of non-responders were Software Providers, Small Suppliers, I&C Suppliers or Independent Agents. Of the Independent Agents who did not respond, the vast majority are Meter Operators (MOps).
- Of the **38** Software Providers, **13** have been deemed 'Priority Providers'. **7** of these responded to RA2, with an overall Software Provider response rate of **34%**.

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Response Rate (by market share)

The RA2 response rate was very strong when measured by market share. This was consistent across Suppliers, DNOs and Agents.

DNOs & Suppliers

What was the response rate of DNOs and suppliers by market share?

DNOs	100%
Suppliers	98%

(Bar chart axis: 0% 20% 40% 60% 80% 100%)

Agents

Agent Type	Responded	Not Responded
HHDA	87%	13%
NHHDA	77%	18%
HHDC	84%	13%
NHHDC	79%	18%
NHHMOA	69%	28%
HHMOA	91%	9%
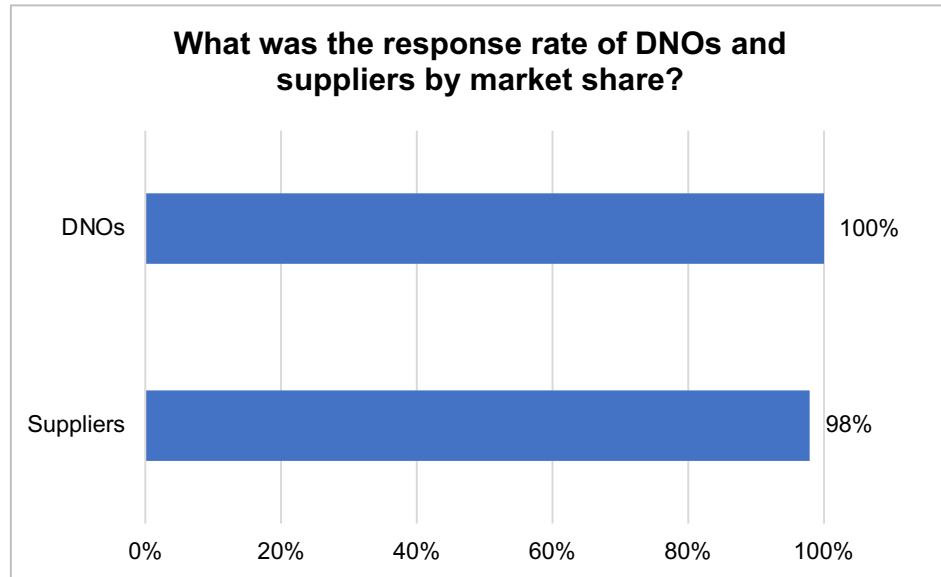
Key Points:

- Suppliers – While **37** Suppliers did not reply to RA2, they represent just **1.5%** of the market in terms of MPANs.
- All Large and Medium sized suppliers responded to RA2, and the majority of I&C Suppliers also responded (**59%**). This dropped to **37%** for Small Suppliers.
- All of the DNOs submitted a response to RA2.

Key Points:

- A consistently high response rate was seen across Half Hourly and Non-Half Hourly Data Aggregators, Data Collectors and Meter Operators.
- The average response rate across all of the six groups above was **81%**.
- Bearing in mind that agent services will be competitive, this is a reasonable response considering it will be down to agents to decide whether they want to offer services in MHHS.

What RA2 tells us about Participants' readiness

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Overall Readiness: Self-Assessment

60% of RA2 responders and **32%** of all Participants believe they will be ready to start DBT on 1st November, and these figures rise sharply when measured by market share amongst suppliers and DNOs.

By No. of Participants

% of Participants Across the Industry Who Self-Assessed as Ready for M3

By Market Share

% Market Share Ready for M3
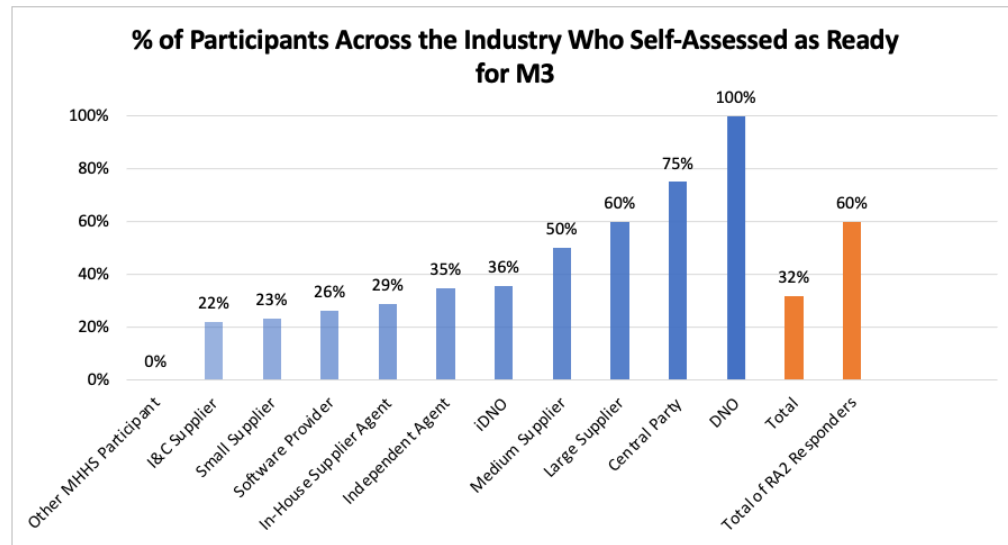
Key Points:

- **60%** of responders to RA2 (**32%** of total Participants) believe they will be ready to start DBT on 1st November.
- Readiness to start DBT is highest among key constituencies such as DNOs **(100%)**, Central Parties **(75%)**, Large Suppliers **(60%)** and Medium Suppliers **(50%)**.
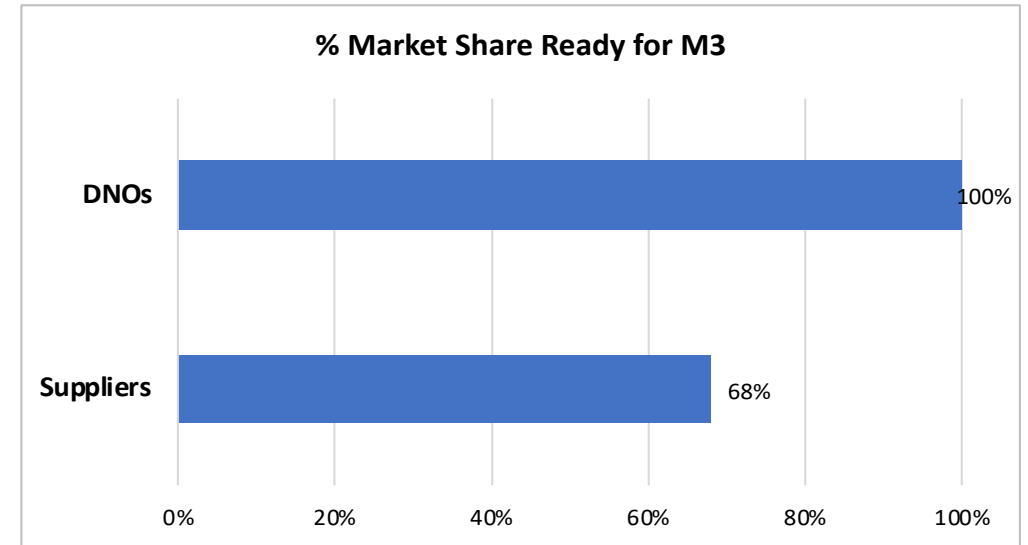
Key Points:

- When measured by market share the expectations for readiness to start DBT at M3 improve significantly.
- **100%** of DNOs expect to begin DBT on 1st November.
- **68%** of the supplier market (measured by MPANs) expect to be ready to start DBT on 1st November. This will rise to **80%** by the end of the year (see next slide).

Overall Readiness: When will Participants who are not ready become so?

Appendix 1: RA2
report

Of those Participants who have a planned DBT readiness date after 1st November, **44%** are still expecting to be ready this year.

Key Points:

- Of the **94** Participants that responded to RA2, **56** expect to be ready to start DBT on time, **9** have a planned future date and **29** don't have a planned date.
- Of those who have a planned date, **44%** still expect to be ready to start DBT this year.

When do Participants who plan to start DBT after 1st Nov plan to start?

Dec-2022   Jan-2023   Apr-2023   May-2023
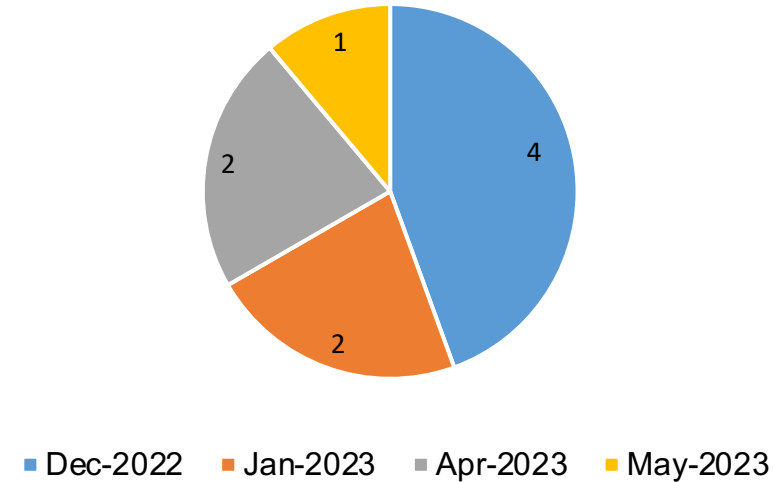
Of those Participants who gave reasons for their non-readiness at M3, market conditions and the Energy Bill Relief Scheme were major factors alongside the desire for a baselined design & replan.

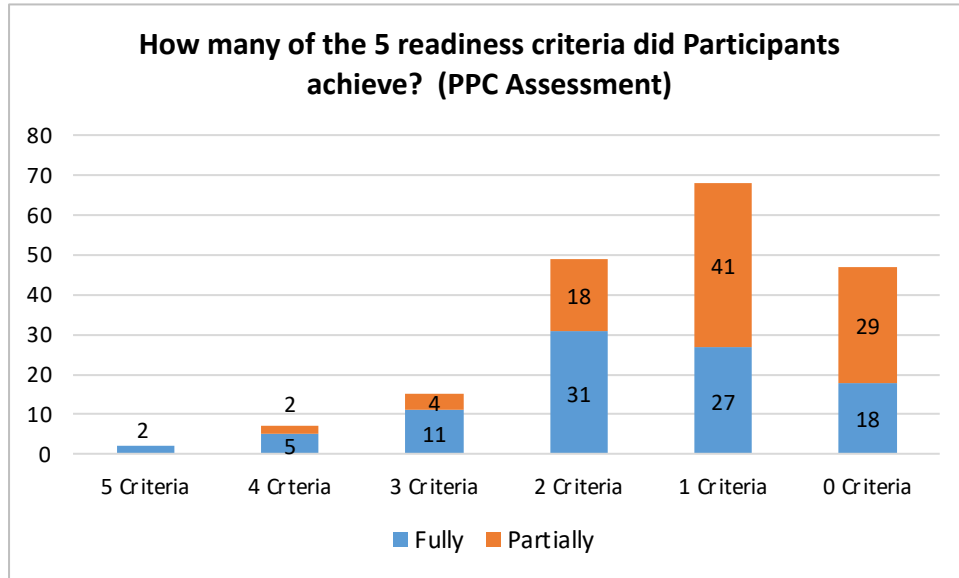| Reason for Non-readiness	Number of Instances
Market conditions	21
Other	21
Energy Bill Relief Scheme	19
Require more information from the MHHSP	17
Faster Switching post go-live activities	12
Issues with IT Service Providers	5

Key Points:

- The prevailing market conditions in the Energy Industry proved to be the main reason why Participants felt they would not be ready for M3.

- This was closely followed by the Energy Bill Relief Scheme and the desire for more information from the MHHS Programme.

- Faster Switching post go-live activities were more frequently flagged by larger organisations.

- A review of the comments added to explain the selection of 'Other' or 'Require more information from the MHHSP' revealed that many participants are waiting for a baselined design and replan before they start work. This is due to fears of regret spend.

**What were the most common reasons given for non-readiness for M3?**
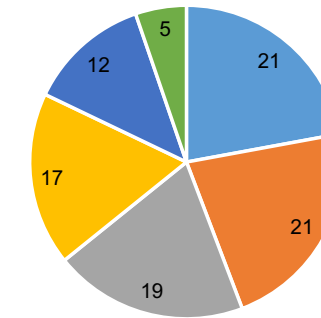
- Market conditions diverting available resources
- Other (please specify in the Comments Box)
- The government 's Energy Price Guarantee diverting available resources
- Require more information from the MHHS Programme Team (please specify in the Comments Box)
- Faster Switching post go-live activities diverting available resources
- Issues with IT Service Providers (please specify)

Compliance with M3 readiness criteria

In most cases Participants' self-assessments of readiness to start DBT were not supported by evidence. Where evidence was provided, it showed that whilst most Participants had made some progress towards achieving the 5 readiness criteria, this was usually just 1 or 2 criteria.

How many of the 5 readiness criteria did Participants achieve? (PPC Assessment)

How many of the 5 readiness criteria did Suppliers achieve? (by market share, PPC assessment)

Key Points:

- Only **2** Participants fully achieved all **5** readiness criteria.
- The majority of Participants achieved **1** or **2** criteria. Only **19%** had fully achieved **3 or more**.
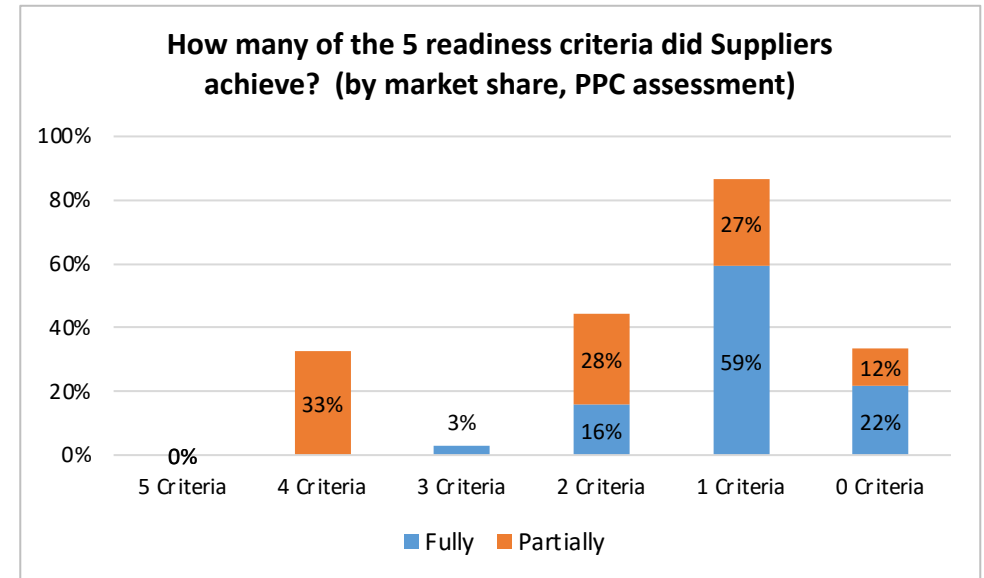
Key Points:

- When measured by market share for suppliers, the trend for just **1 or 2** criteria to have been achieved held true.

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Analysis: PoaP 1 (Illustrative Timeline)

Are the dates for DBT achievable?	No	Yes	Do not know	N/A	Grand Total
Central Party		2		1	3
DNO	1	4		1	6
I&C Supplier	2		1		3
iDNO				1	1
In-House Supplier Agent		1			1
Independent Agent		4	1		5
Large Supplier	2	1	1		4
Medium Supplier		2			2
Software Provider		3			3
Grand Total	5	16	4	3	28

Are the dates for Qualification achievable?	Do not know	N/A	Expecting to volunteer for SIT.	No	Possibly	Yes	Grand Total
Central Party		1				2	3
DNO	3	2	1				6
I&C Supplier	3						3
iDNO	1						1
In-House Supplier Agent	1						1
Independent Agent	2				1	2	5
Large Supplier	2			1		1	4
Medium Supplier			1		1		2
Software Provider	1	1				1	3
Grand Total	13	4	2	2	1	6	28

Are the dates for SIT achievable?	Do not know	No	Possibly	Yes	N/A	Grand Total
Central Party				2	1	3
DNO	1	1	1	1	2	6
I&C Supplier	2				1	3
iDNO	1					1
In-House Supplier Agent	1					1
Independent Agent				5		5
Large Supplier	2		1	1		4
Medium Supplier				2		2
Software Provider		1		2		3
Grand Total	7	2	2	13	4	28

Is the migration of your portfolio possible in specified window?*	Yes	No	Possibly	Do not know	N/A	Grand Total
Central Party					3	3
DNO		1			5	6
I&C Supplier				3		3
iDNO					1	1
In-House Supplier Agent				1		1
Independent Agent	4	1				5
Large Supplier	1		1	2		4
Medium Supplier	2					2
Software Provider				1	2	3
Grand Total	7	2	1	7	11	28

*A more detailed analysis of respondents' feedback on the proposed migration window is presented in the Migration Options Analysis papers.

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Analysis: PoaP 2 (Challenge Timeline)

Are the dates for DBT achievable?	No	Possibly	Yes	Do not know	N/A	Grand Total
Central Party	1		1		1	3
DNO	4				2	6
I&C Supplier	2			1		3
iDNO					1	1
In-House Supplier Agent				1		1
Independent Agent	1	1	1	2		5
Large Supplier	3			1		4
Medium Supplier			1		1	2
Software Provider	1		2			3
Grand Total	12	1	5	5	5	28

Are the dates for Qualification achievable?	Expecting to volunteer for SIT	Yes	Do not know	No	N/A	Possibly	Grand Total
Central Party		1			1	1	3
DNO	1		2		3		6
I&C Supplier				1	2		3
iDNO			1				1
In-House Supplier Agent			1				1
Independent Agent		1		2		2	5
Large Supplier				2	2		4
Medium Supplier	1			1			2
Software Provider		1	1		1		3
Grand Total	2	3	5	6	9	3	28

Are the dates for SIT achievable?	No	Possibly	Yes	Do not know	N/A	Grand Total
Central Party			2		1	3
DNO	2			1	3	6
I&C Supplier				2	1	3
iDNO				1		1
In-House Supplier Agent				1		1
Independent Agent	1	1	3			5
Large Supplier	1	1		2		4
Medium Supplier			2			2
Software Provider	1	1	1			3
Grand Total	5	3	8	7	5	28

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Design, Build & Test (DBT)

Key insights / themes
Majority of respondents are supportive of the PoaP1 DBT timescales but many stated that the PoaP2 DBT timescales are not achievable.
Some respondents challenged the DBT timescales on the grounds that the scale of the MHHS Programme is significantly greater than similar industry programmes (e.g. Nexus and Faster Switching). • One respondent estimates that over 70 data flows will be impacted as a result of MHHSP in comparison to 24 data flows on FSP. • One respondent estimates that the changes to just one of their market roles as a result of MHHSP will require ~60% of the total effort required for FSP(this participant has multiple market roles they will need to make changes for). • One respondent said that the scope of impact to parties' systems and processes as a result of MHHSP is approximately 5x that seen on FSP.
Some respondents said they cannot provide an informed opinion on the achievability of the DBT timescales until they have completed their detailed impact assessment of the design baseline.
Greater clarity required around what constitutes consequential change and where responsibility falls.
Some respondents are concerned about the potential need for rework to their design (e.g. following publication of the DIP specs and once code drafting is complete)
Many respondents acknowledge a dependency on the availability of the Migration Design in Q4 2022 for their DBT. Some respondents said that the timescales for DBT should be extended if a reverse migration approach is adopted, with one participant estimating a 40% increase in the effort required.
Some respondents requested clarity regarding adapter requirements and acknowledge the implications for their procurement strategies.
Programme needs to demonstrate consideration of the impact of non-MHHS industry activity (e.g. MPRS 8.3 release, implementation of post-go live Change Requests from the Faster Switching Programme (e.g. CR-D061), MSC Mods 432 / 434) on DBT timescales.

Systems Integration Testing (SIT)

Key insights / themes
Many respondents said that the PoaP1 SIT timescales are achievable with some supporting the accelerated PoaP2 SIT timescales.
Some respondents said they cannot provide an informed opinion on the achievability of the SIT timescales until they have more information on the scope of SIT and its component stages.
Respondents acknowledge that the scale of testing required far exceeds the requirements of the Faster Switching Programme.
Many respondents requested greater clarity around how a 'Minimum Viable Cohort' (MVC) for SIT would work and how it would be selected.
Requirement for clarity around when 'core capability systems' are required to join SIT Component Integration Testing (CIT).
There is an assumption that St Clements Services can execute SIT Functional on behalf of DNOs.

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Qualification

Key insights / themes
Many respondents said they cannot provide an informed opinion on the achievability of the Qualification timescales (PoaP1 and PoaP2) until they have more information on the scope and requirements.
Many respondents requested greater clarity of how tranching for qualification will work.
Responsibility for the management and coordination of qualification – and how the responsible body will be engaged by the MHHS Programme to define expectations for participants not going through qualification (i.e. SIT participants) needs to be clarified.
Many respondents requested clarification of the qualification requirements for SIT participants (i.e. which procedural elements of qualification are SIT participants still required to complete, e.g. the SAD process).

Migration

Key insights / themes
Key insights / themes on the Migration-related consultation questions have been presented as part of the Migration Options Analysis exercise.

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