MHHS PROGRAMME

Programme Steering Group #35
07 August 2024

Version 2.0

MHHS-DEL2899

Document Classification: Public

Agenda

#	Item	Objective	Type	Lead(s)	Time	Page
1	Welcome	-	-	Chair	10:00-10:05 _5 mins_	1
2	Headline Report and Actions	Approve headline report of previous meeting and actions review	Decision	Chair & Secretariat	10:05-10:15 _10 mins_	3
3	Testing Update	Updates from the Programme on System Integration Testing (SIT)	Information	Programme (Keith Clark)	10:15-10:35 _20 mins_	5
4	Sponsor Message	Message from Programme Sponsor	Information	Ofgem	10:35-10:40 _5 mins_	15
5	Elexon Settlement Analysis Update	Verbal update from Elexon on timeline for settlement analysis model	Information	Elexon (John Abbott)	10:40-10:50 _10 mins_	17
6	Update on Post-M10 Change Management	Update on post M10 Change Management	Information	Programme (Claire Silk)	10:50-11:00 _10 mins_	18
7	Programme Change Requests	Decision on CR051, CR052 & CR053	Decision / Information	Programme (PMO)	11:00-11:15 _15 mins_	20
8	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	11:15-11:35 _20 mins_	36
9	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:35-11:40 _5 mins_	80

Headline Report and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins

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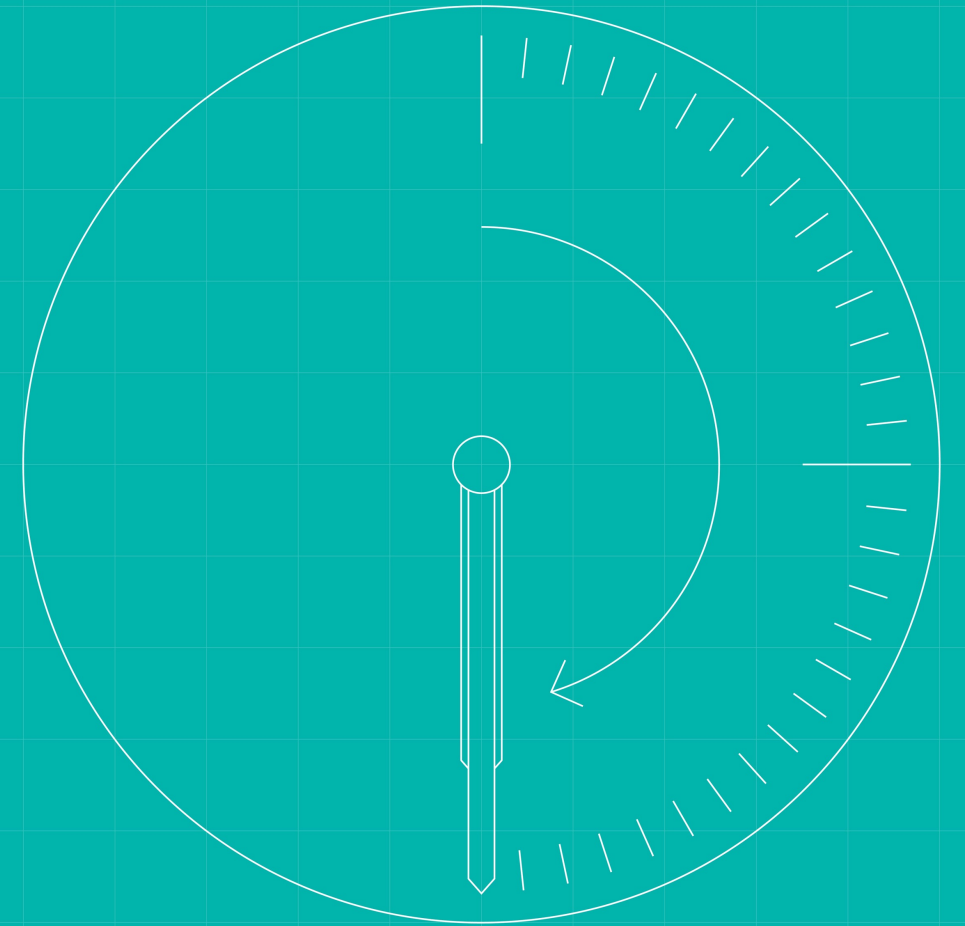
Headline Report and Actions (1/2)

1. Approval of [PSG 07 July 2024 Headline Report](#)
2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG34-01	Elexon Settlement Analysis model to be issued to Participants as soon as constructed and to update Participants on any changes to the 4-week construction timeline	Programme / Elexon	07/08/2024	ONGOING: Elexon to provide update at PSG 07 August 2024.
PSG34-02	Programme to provide an update on post-M10 Change Management	Programme	07/08/2024	ONGOING: Programme to provide update at PSG 07 August 2024.
PSG34-03	Programme to publish the refined Change Management process diagram and documentation to reflect Ofgem comments	Programme PMO	07/08/2024	RECOMMEND CLOSED: Refined Change Change Control Process was published to the Change Control area of the Programme Collaboration Base.
PSG34-04	Programme to update description of Risk849 to reflect recognition of end date staying the same but with a delayed start date	Programme	07/08/2024	RECOMMEND CLOSED: R849 has been updated. See Risk Register for wording.
PSG32-03	Elexon to arrange discussions with PSG on paper on arrangements for settlement analysis to consider potential impacts which may occur following MHHS go-live	Elexon (John Abbott)	05/06/2024	RECOMMEND CLOSED: Superseded by PSG34-01.
PSG32-08	IPA to consider governance of DBT2 assurance and any participant impact assessment required	IPA (Richard Shilton)	05/06/2024	RECOMMEND CLOSED: Consequential Change Assurance Approach agreed and presented at MCAG on 25 July 2024.
PSG33-01	Programme to provide information on expectations on parties post-M10 to support resourcing and management view	Programme	03/07/2024	ONGOING: The Programme is considering this as part of the Early Life Support Model which is currently in development. There will also be expectations on participants to support the Migration Period as set out within the Migration Framework.
PSG33-02	Programme to provide further clarity on progress to define how changes required to MHHS arrangements via BAU code governance will be managed, and how the Authority will be engaged to ensure the timely progression of code modifications/change proposals which may require direction via SCR powers	Programme (Claire Silk)	07/08/2024	ONGOING: Action owner changed to Programme. Update to be provided at 07 August 2024 PSG.

Testing Update

DECISION: Updates from the Programme on System Integration Testing (SIT)

Programme

20 mins
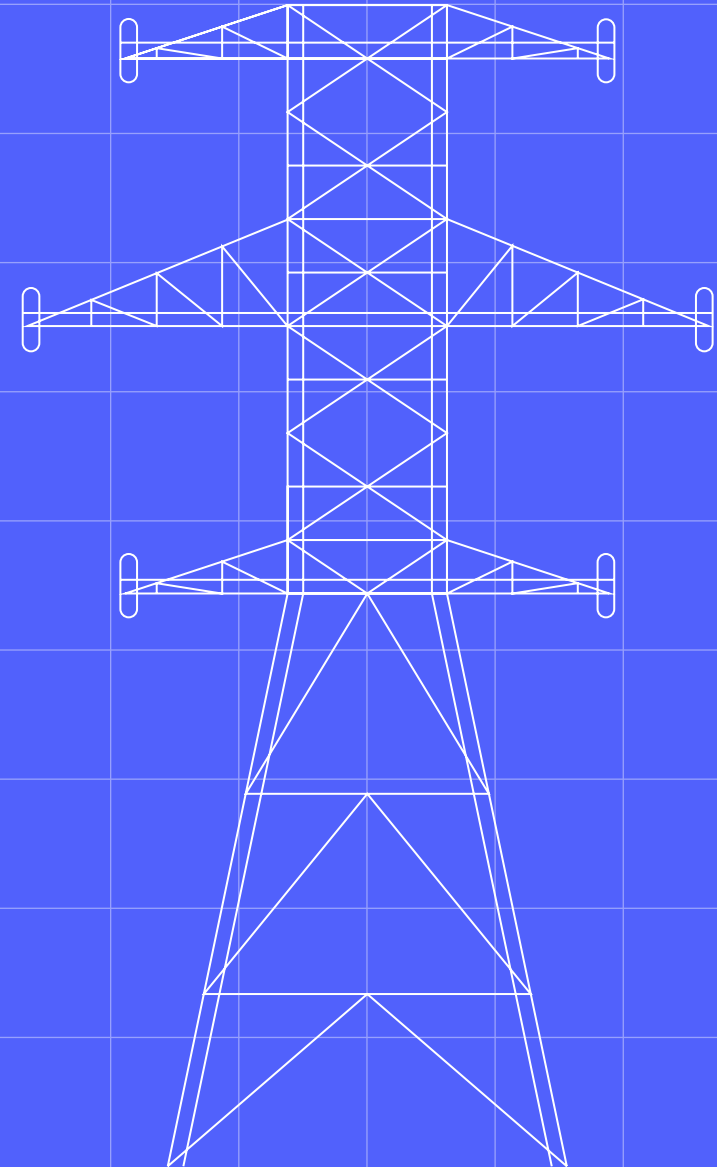
- No significant programme-wide issues had blocked testing progress through Sprint 3. Where defects were encountered, cohorts were assigned enough tests to maintain velocity targets

- SIT Cycle 2 Functional Testing throughput improved from Sprint 2. This positive trend has also been observed in SIT Migration, however the overall rate at which test points are being achieved is slower than the required throughput from the Cohort Test Models. Test throughput will need to increase at a greater rate in subsequent sprints to enable programme SIT completion milestones to be met

- Settlement Testing continues at a slow pace, with data setup issues taking up significant time and effort for both programme resources and participants

- SIT Migration Testing has commenced across all cohorts, but test throughput continues much lower than modelled despite no obvious blockers.

Going into Sprint 4:

- MVC is agreed and has been implemented.

- The programme has narrowed the scope of the available test backlog for Sprint 4 to increase focus on key tests, with the proviso that if test objectives are met then additional tests can be quickly added where needed.

- The Programme has begun scenario (contingency) planning to reflect on the lack of progress to date and in advance of the test execution review planned after Cycle 2 Sprint 4 (see later).

Reminder: Test stage firm targets, based on shared cohort execution models

We have set out firm targets to reach the IR8.1 maintenance window.

Test stage	Firm targets (to proceed into IR8.1 maintenance window)

SIT Functional Testing Cycle 2	• Number of passed tests (by the MVC cohorts) have met or exceeded the numbers set out in their respective agreed cohort execution models
	
	and
	
	• Design coverage has been progressed adequately, according to business process-related measures
	   ○ % Tests Executed > 85% across all themes for all allocated tests (excluding settlement – Theme 8)
	   ○ % Tests Passed > 60% across all themes for all allocated tests (excluding settlement – Theme 8)
	
	and
	
	• MPRS has been sufficiently exercised with key parameters passed (to manage readiness for non-SIT LDSO testing start):
	   ○ At least one Advanced Meter and one Smart Meter Test successfully concluded from within each of Test Themes 1, 2, 3, 4, 5 and 6
	   ○ At least one UMS test successfully concluded from within each of Test Themes 1, 2, 3 and 4
	   ○ No Open Severity 1 or Severity 2 Defects exist based on testing conducted to date

Settlement Testing (subset of SIT Functional Cycle 2)	• Settlement Calculation Accuracy – integrity and accuracy of Elexon Central Settlement Systems, including Helix internal and output accuracy checks, Supplier and LDSO output report accuracy checks successfully tested and • MVC coverage of key events that can impact reported consumption totals, and critical parameters such as Consumption Component Class, from one Settlement run to another, or from one Settlement day to another. These events include changes of segment, energisation and de-energisation, connection type changes, and read adjustments and • Annual Consumption – processing and validation of Annual Consumption successfully tested
SIT Migration Testing (to the maintenance window 16-Aug-24)	• 5 stated Forward Migration CoA tests and 4 stated Forward Migration CoS test cases passed by at least 1 cohort (needed for non-SIT LDSO testing) and • Number of passed tests (by MVC cohorts) has met or exceeded the numbers set out in their respective agreed cohort execution models

Note: At the end of SIT Functional Cycle 2 Sprint 1, the target is that all cohort outstanding Cycle 1 tests should have been passed. These include the 4 linked Cohort CoS (SIT Migration - Forward Migration CoS Dependent) test cases being executed and passed by all cohorts. Where needed, exceptions are to be noted and continue to be prioritised in Sprint 2

Sprints 1 - 3 Cumulative Progress vs. Completion Targets (SIT Functional Cycle 2 & SIT Migration)

SIT Functional Cycle 2 Completion Targets (to 16-Aug-24)

1. **Number of passed tests (by MVC cohorts) has met or exceeded the numbers set out in their respective agreed cohort execution models**
   - *Test execution rates across all Cohorts continues to be notably lower than expected / planned*
   - *The 3 fastest Cohorts managed to achieve between 50 - 64% test point achievement (vs. the agreed model / plan), including credit for progressed but not completed tests – the rate for completed tests (alone) was much lower*
   - *7 of 8 Cohorts exceeded the test step pass rates expected in the execution model. These cohort pass rates are 20 percentage points greater than for Cycle 1 – indicating that implemented improvements continue to have a positive effect.*

2. **Design coverage has been progressed adequately, according to business process-related measures:**
   - % Tests Executed > 85% across all themes for all allocated tests (excluding settlement – Theme 8)   *Achieved 53%*
   - % Tests Passed   > 60% across all themes for all allocated tests (excluding settlement – Theme 8)   *Achieved 47%*

3. **MPRS has been sufficiently exercised with key parameters passed (to manage readiness for non-SIT LDSO testing start):**
   - At least one Advanced Meter and one Smart Meter Test successfully concluded from within each of Test Themes 1, 2, 3, 4, 5 and 6   *Coverage - 9 of 12 (Advanced), 5 of 12 (Smart)*
   - At least one UMS test successfully concluded from within each of Test Themes 1, 2, 3 and 4   *Coverage - 3 of 4 areas*

…..

SIT Migration Completion Targets (to 16-Aug-24)

1. **Number of passed tests (by MVC cohorts) has met or exceeded the numbers set out in their respective agreed cohort execution models**
   - *Test execution rates across all Cohorts continues to be notably lower than expected / planned*
   - *The 3 fastest Cohorts managed to achieve between 36 – 49% test point achievement (vs. the agreed model / plan), including credit for progressed but not completed tests – the rate for completed tests (alone) was much lower*

2. **5 stated Forward Migration CoA tests and 4 stated Forward Migration CoS test cases passed by at least 1 cohort (needed for non-SIT LDSO testing)**
   - *2 of 5 CoA tests have been passed by at least 1 cohort*
   - *1 of 4 CoS tests have been passed by at least 1 cohort*

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SIT Settlement status as at the end of Sprint 3 (close of business 26-Jul-24)

- W/c 01-Jul-24, stabilisation concluded, and all participants self-declared their readiness for Settlement Testing

- 5 of 8 cohorts had commenced Settlement Testing by the close of Sprint 3 (no change from Sprint 2)

- There existed (at that time) no central system defects that would impair test progress; however, execution has still been limited

- Failure to complete Settlement Accuracy Testing by 16-Aug will have a consequential impact on the Programme Plan and we are reviewing this at the end of each Sprint

- 5 of 8 cohorts are in progress on the Settling Normally test case (up from 3 in Sprint 2)

- Tests 'In Flight' and 'Not Run' at the end of Sprint 3 have been carried over into Sprint 4 as a priority

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It is acknowledged, across the Programme, that SIT is proceeding much more slowly than was expected in the shared execution models

- Sprint 4 will continue to leverage Programme improvements implemented as a result of the last industry retrospective session – and the MVC is now operating

- Even so, the Programme team will pursue constructive discussions with participants aimed at improvement of test pace and achieving stated targets as soon as possible

Sequence and schedule for participant meetings conducted in w/c 29-Jul-24 (software providers attended)**:**

- Step 1: individual meetings with each MVC supplier
- Step 2: individual meetings with each MVC agent
- Step 3: individual meetings with each non-MVC supplier
- Step 4: individual meetings with each non-MVC agent

Desired outcomes from these sessions were to understand:

- What the remaining barriers are, to participants making faster test progress (in SIT Functional, SIT Settlement and SIT Migration)

- What participants are changing or intending to change, to enable a significant step change in achieving faster test progress to meet the programme plan
    - this will include clarity on how many resources have been applied to (a) test execution, (b) test preparation and (c) management – and any plans to strengthen resourcing
    - level of planning & preparation for, and automation of testing activities will also be of interest

- How the programme team can further help.

Other points to note:

- We continue to apply the principle of collaborative engagement and collective responsibility for delivery success. This series of meetings was not a 'finger pointing' exercise but rather a constructive discussion about 'how can / will things substantially change for the better'.

- Most participants were in favour of removing anonymity in operational SIT reporting – but 2 (of 32) were not. Given positive efficiency improvements that will result from this desired change, the programme has followed up on why those 2 parties were against the idea. ***We now have universal agreement to the removal of anonymi**ty*

- This round of meetings did not include Central Parties; we will continue to monitor Central Party performance in SIT and will meet should there be reason to do so.

Bilateral engagement with SIT volunteer parties – Headlines from the meetings

Barriers to programme participant (PP) test progress & what needs to change?

- Cycle 2 programme set-up and ongoing support is 'much better' than for Cycle 1
- Preparation for test cases has been 'challenging' – data preparation (especially for Settlement testing – although MPAN guidance is now better), clarification of test cases / review of associated design documents (tests not behaving as PP expected, in some cases due to their uncertainty about requirements being covered)
- Evidence submission is still onerous; look for further opportunities to reduce
- Too much PP focus on 'test points progress including credit' is driving wrong behaviours (more test cases launched and less completed, leading to 'peakiness' in workload)
- Intra-cohort PP defect resolution turnaround times have been slow at times (rules should be reinforced / complied with); there have been Central Party-related configuration issues
- Length of test cases (and need to re-run from the start when failed) causes inertia
- Some PPs are present in more than 1 cohort and have duplicated test effort & competing demands
- Intra-cohort leadership needs to come from PPs also, not just reliance on test co-ordinators
- More forward visibility of test cases for each sprint will enable better preparation
- Greater stability of Test Cases included within each sprint requested
- 'Intra-sprint' changes (e.g. blocked tests / MPANs, re-prioritisation) divert effort

How well-resourced are you (and do you have plans to increase resources)?

- Test teams vary widely – from 2 or 3, to 12 testers + associated architects, developers (and will need to be gauged in relation to how many roles / customers need to be supported)
- Some PPs are responding to challenges and have added resources – or are in the process of doing so
- Other PPs feel that they are not sure about their 'run-rate' resource model while the defect numbers have not settled down
- There were PP views that where more resources have been applied and focused on different activities (data prep, test support, test execution) significant gains were being seen

How much more time do you think will be required for you to complete SIT Functional testing?

- Some PPs declined to answer this question and / or said they'd consider it further
- Where PPs were forthcoming, opinions were divided between '6 weeks', '2 months' and '3 months', with one PP feeling that '3 months is too long at this stage'
- Answers were given on the basis that it was generally agreed that test velocity should and would get faster (and must), as defects are resolved, and we get onto the go-live code base
- Some parties evidently had plans which allowed them to derive completion dates, but many did not

Do you think we should extend Cycle 2 or go into the IR8.1 maintenance window as planned?

- PPs were evenly split on this matter; several PPs additionally warned against SITA and SITB windows being unsynchronised and several PPs could not support branched code currently
- From a development point of view PPs would generally prefer to move to the intended 'go-live code base' as soon as possible, minimising duration of code branching (noting that more time would allow for more PIT on IR8.1 and reduce the risk of subsequent defects in Cycle 3)
- Testers could see the benefit of having more time to get closer to the targets set for Cycle 2 and not disturbing the emerging rhythm of testing whilst progress is still slow
- Acknowledged that Settlement testing needs more time (than planned)
- Several PPs highlighted test team holiday has been aligned with the IR8.1 maintenance window

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Programme response to current SIT Status – Contingency Planning

Given that SIT is proceeding more slowly than the execution models shared previously with all SIT parties, it is prudent for the programme to consider whether some contingency should be applied to the forward plan:

- Programme plan contains up to 3 months of contingency in the path to Go-Live (M10)

- Application of contingency (if this is eventually considered to be appropriate) should follow some key principles:

  - Contingency should not be used except as a (last resort) response to specific issues impacting the critical path to M10, after all other risk mitigation and issue resolutions have been exhausted

  - Options to apply any contingency need to be carefully considered and all key stakeholders should be appropriately engaged – such options need to articulate all key impacts, i.e. not only on SIT completion but all other elements of the programme plan (e.g. Qualification)

  - It should be clear how the opportunity of any additional time will constructively used – unless significant delivery improvements underpin contingency plans, delivery will just 'drift' and dates will continue not to be met

  - Any contingency response should have high confidence that such a response will 'fix the issue' and further contingency responses should not be necessary

Next Steps

- Programme is currently planning how some contingency could be applied in certain scenarios

- Dialogue with the IPA started on 31-Jul-24, to provide independent input and assurance on this planning

- All volunteer parties will continue to be engaged, to understand how they are intending to respond to slow test progress

- Ofgem will be sighted on possible outcomes and impacts; everyone understands that on-time delivery of M10 is a highly-critical matter, and we acknowledge that any impact on M10 (and programme and industry responses) will be challenged

- If plans are likely to change, earliest signposting of any short-term adjustments is needed – given generally tight resources in SIT parties' teams, and the holiday period. We will all need to be agile in our responses to the plans given how quickly things change

Immediate and tactical changes to Test Plan (advised to all programme participants on 06-Aug), as promised to FTIG

The Programme will extend SIT Cycle 2 by an additional 5 weeks, deferring the IR8.x maintenance window. This has knock-on implications for short term testing activities, which have been outlined in the plan below.

2024

Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

SIT A Test Environment

11/03 – 24/05
SIT F Cycle 1 | 15 | 17/06 – 20/09 SIT F Cycle 2 | 20 | SIT F Cycle 3
SIT Migration | 20 | Migration

Ofgem interim reporting

Maintenance Windows:
1. 23/09 – 18/10 (SIT A)

Extended Cycle 2 Testing Period

SIT B Test Environment

Theme 1 | Theme 2

17/06 – 20/09
SIT F Settlement | 10 | 5 | 10 | SIT NF
Stability
SIT OP

07/10 – starting with non-SIT B environment testing

Maintenance Windows:
1. 23/09 – 04/10 (SIT B)

UIT Test Environment

Non-SIT Testing

Non-SIT LDSO Qualification Testing is dependent upon 9 CoA and CoS being passed in SIT Migration & MPRS stability tests in SIT F

To start no earlier than 01/11

Non-SIT LDSO Qualification Testing

Christmas break

Key
- Additional sprints
- Ofgem Interim Reporting
- Maintenance window
- Data load only
- Parallel code uplift & data load

What has changed & why

- The IR8.x maintenance window will be deferred by 5 weeks to allow for 2 additional sprints in Cycle 2. This is to enable:
  - More time to achieve the Cycle 2 firm targets set out at the beginning of the testing cycle.
  - More time, before the maintenance window, to focus on the priority tests needed to enable Non-SIT LDSO testing to commence.
  - More uninterrupted time to complete Settlement testing, which is behind current forecast targets.
  - More time to plan ahead and learn lessons from previous maintenance windows, optimising the activities to be completed.
- The IR8.x maintenance window in SIT-A environment will also be extended to 4 weeks. This is to enable more time for data preparation and loading activities and is in direct response to lessons learned feedback captured in the Cycle 1 data retrospective.
- To protect the timeline between the IR8.x maintenance window and Non-SIT LDSO Qualification testing, Non-SIT LDSO Qualification testing has been pushed back to start no earlier than 01-Nov-24.
- The Settlement testing window has been extended by 5 weeks. This means SIT Non-Functional has been delayed by the same amount of time as both test phases use the SIT-B environment. Any further delay to Settlement testing would incur a delay to SIT Non-Functional.
- The SIT Operational start date remains unchanged at 07-Oct-24.
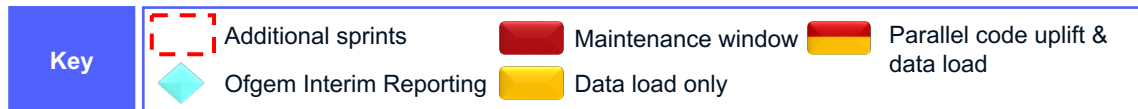
Assessing and agreeing application of Programme Contingency - Process and Timetable
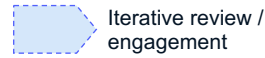
Key
- ▮ Activity
- ▭ Iterative review / engagement
- 🔺 (yellow) Ofgem interim reporting
- 🔺 (teal) Decision / Approval / Meeting
- ◆ Milestone
- ⇢ Dependency
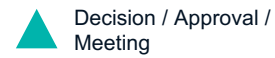
Week commencing	22/07	29/07	05/08	12/08	19/08	26/08	02/09	09/09	16/09	23/09	30/09	06/10	13/10

Milestones

◆ PSG update   ◆ PSG update   ◆ PSG approval

Programme activities

SIT(F) S3, C2 — SIT Functional Sprint 4, Cycle 2 — SIT Functional Sprint 4.1 — SIT Functional Sprint 4.2

SIT(Mig) S3, C2 — SIT Migration Sprint 4, Cycle 2 — SIT Migration Sprint 4.1 — SIT Migration Sprint 4.2

IR8.1 Maintenance Window (SIT-A)

SIT(Set) S3, C2 — SIT Settlement Sprint 4, Cycle 2 — SIT Settlement Sprint 4.1 — SIT Settlement Sprint 4.2

IR8.1 Maintenance Window (SIT-B)   NF Data Load (SIT-B)   SIT NF (SIT-B)

🔺 Ofgem Interim Progress Reporting   🔺 Ofgem Interim Progress Reporting   🔺 Ofgem Interim Progress Reporting

SIT Operational

Planning scenario development

Initial scenario development — Scenario refinement — Update scenario w/ Sprint 4 // incorporate Ofgem feedback

🔺 LDP review

SRO review sessions

🔺 IPA walkthrough

IPA analysis   🔺 IPA playback   Ongoing IPA engagement

Close down outstanding items / assumptions in chosen scenario   🔺 Finalise plan proposal

Comms and Engagement

🔺 Publish short-term (tactical) plan

Agree engagement activities   Ongoing engagement with appropriate governance groups (QWG, SITWG, QAG, SITAG, CCAG)

Engage Ofgem   Ofgem review

Engage Central Parties and Code Bodies (BSC and RECCo)

Change Request development

Draft Change Request

🔺 Submit to Change Board

🔺 Industry webinar

2-week impact assessment   IA analysis   🔺 PSG paper date

Sponsor Message

INFORMATION: Programme Sponsor to provide message

Ofgem

5 mins

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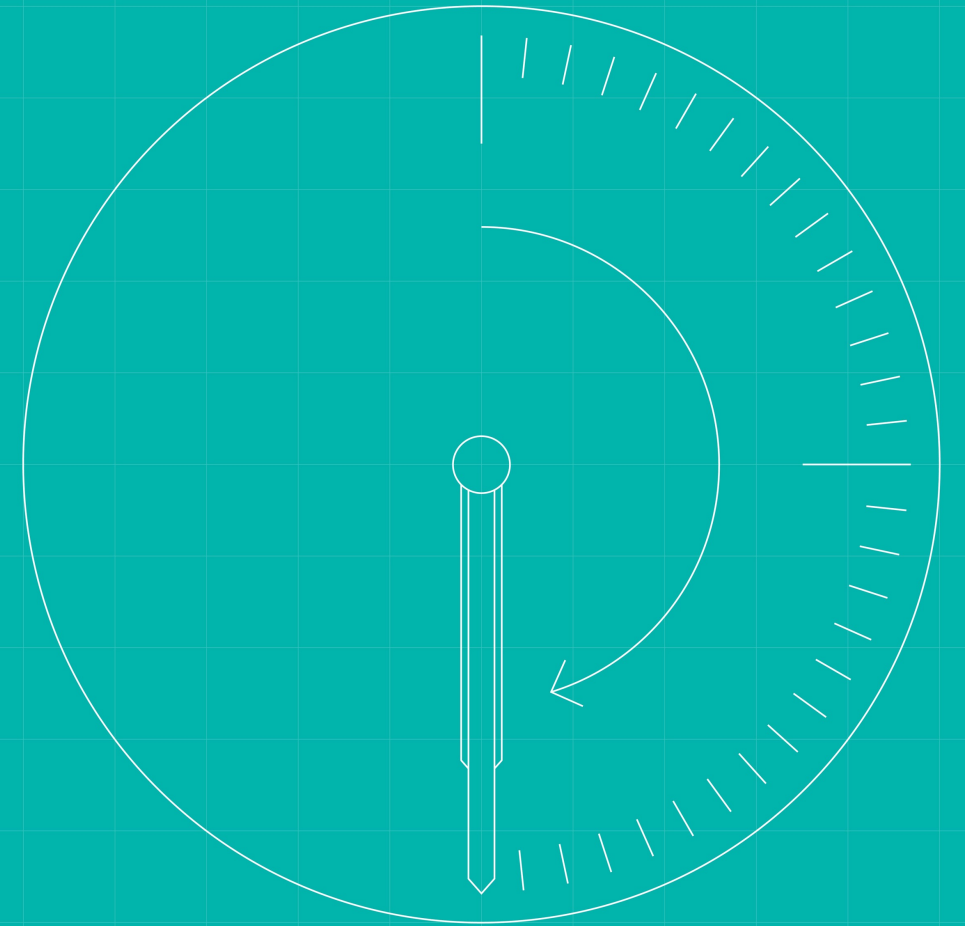
Elexon Settlement Analysis Updates

INFORMATION: Verbal update from Elexon on Settlement Analysis Model

Elexon (John Abbott)

10 mins

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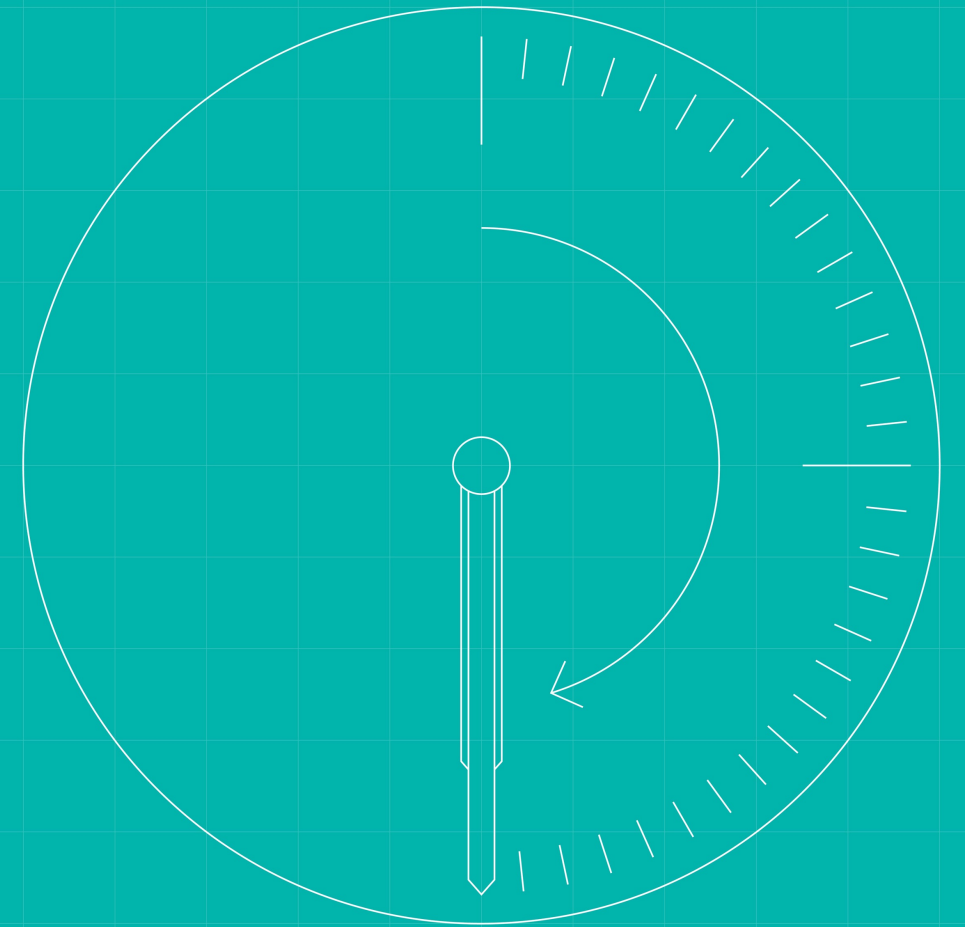
Update on Post-M10 Change Management

INFORMATION: Update on post-M10 Change Management

Programme
10 mins

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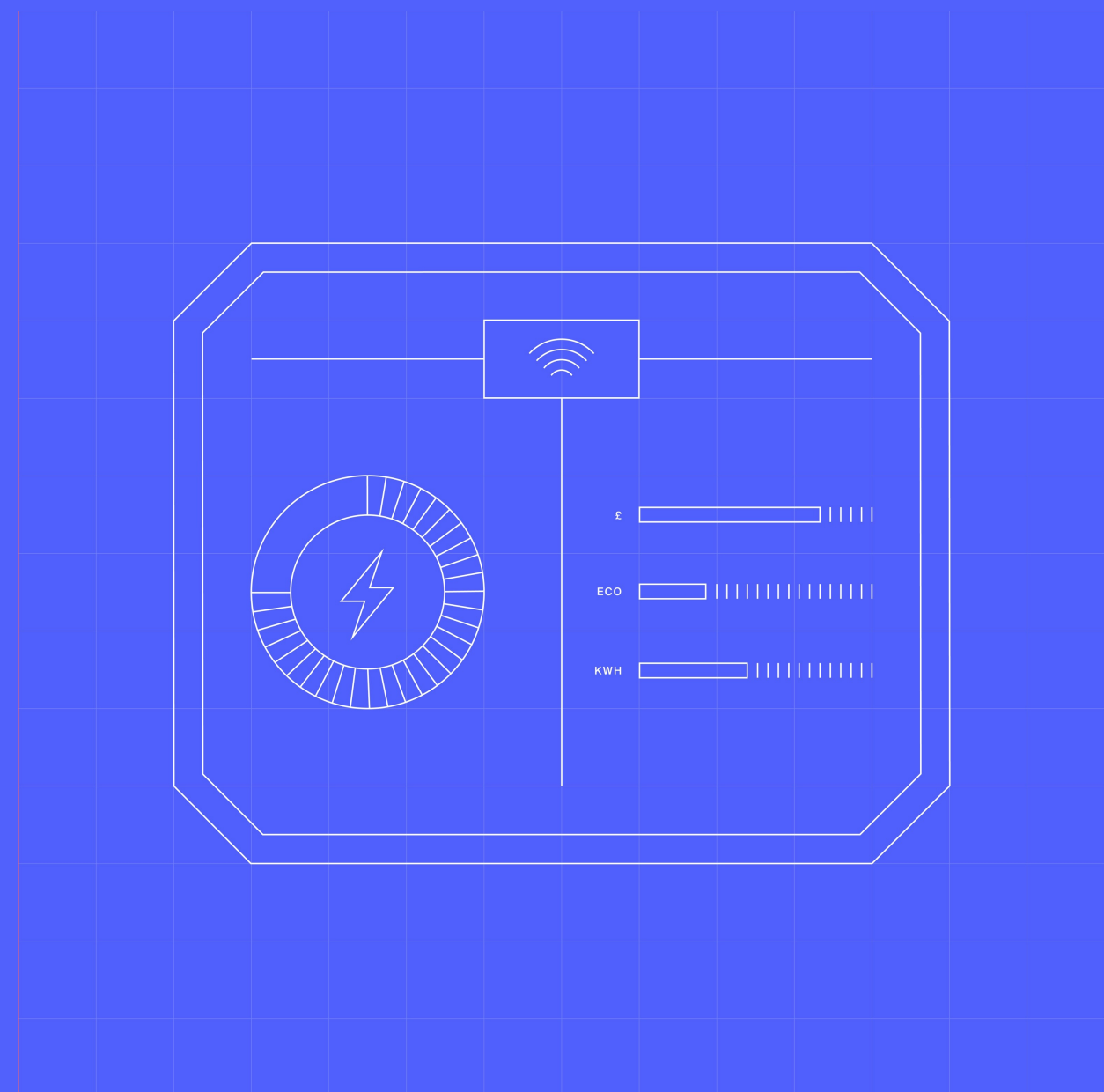
MHHS Change Governance Post M8/M10

Situation:

Currently the MHHS Programme has overall responsibility for the MHHS change process and authority over changes to the MHHS design and/or to the implementation timescales. Under this process the SRO has the authority to defer changes that may impact MHHS implementation timescales, and, where changes are required, these are agreed with industry and reflected within the MHHS design to enable participants to carry out development in conjunction with the necessary updates to the draft code.

At M8/M10 the MHHS code is enacted and subsequent changes to the code are subject to existing BAU code governance, therefore, a new change governance process needs to be agreed which seeks to protect the MHHS timescales and minimises disruption for Programme Participants.

Complication:

There is contradiction within the Balancing & Settlement Code which calls into question the authority around MHHS impacting changes post M8:

- BSC Section C12.5 states that the MHHS SRO, has overall responsibility for the governance and change process and is responsible and accountable for all Programme decisions made as part of MHHS Implementation.

- BSC Section C12.7 states that the MHHS Implementation Manager is also obligated to act as and perform the role of the Design Authority for MHHS Implementation.

However, the scope of BSC Section C12 does not specifically give the MHHS Programme the authority to approve changes to code, or to direct the Code Body Panel/Panel Committees to do so.

Risks
- BAU changes may be approved that impact the MHHS timescales and/or costs
- Required MHHS changes may take longer to implement as they are subject to BAU processes and potentially individual Code Body Panel approvals
- Disruption to Programme Participants as a result of there no longer being a holistic view of the end-to-end MHHS design maintained.

Next Steps
- Full review of the MHHS code obligations and authority
- Steer sought from IPA/Ofgem
- Workshops with Code Bodies to agree post M10 Change process and process for managing draft changes currently on hold (awaiting the Post M10 process)
- Follow on update to PSG on progress

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Programme Change Requests

DECISION/INFORMATION: Decision on implementation for CR051, CR052, CR053

Programme (PMO)

15 mins

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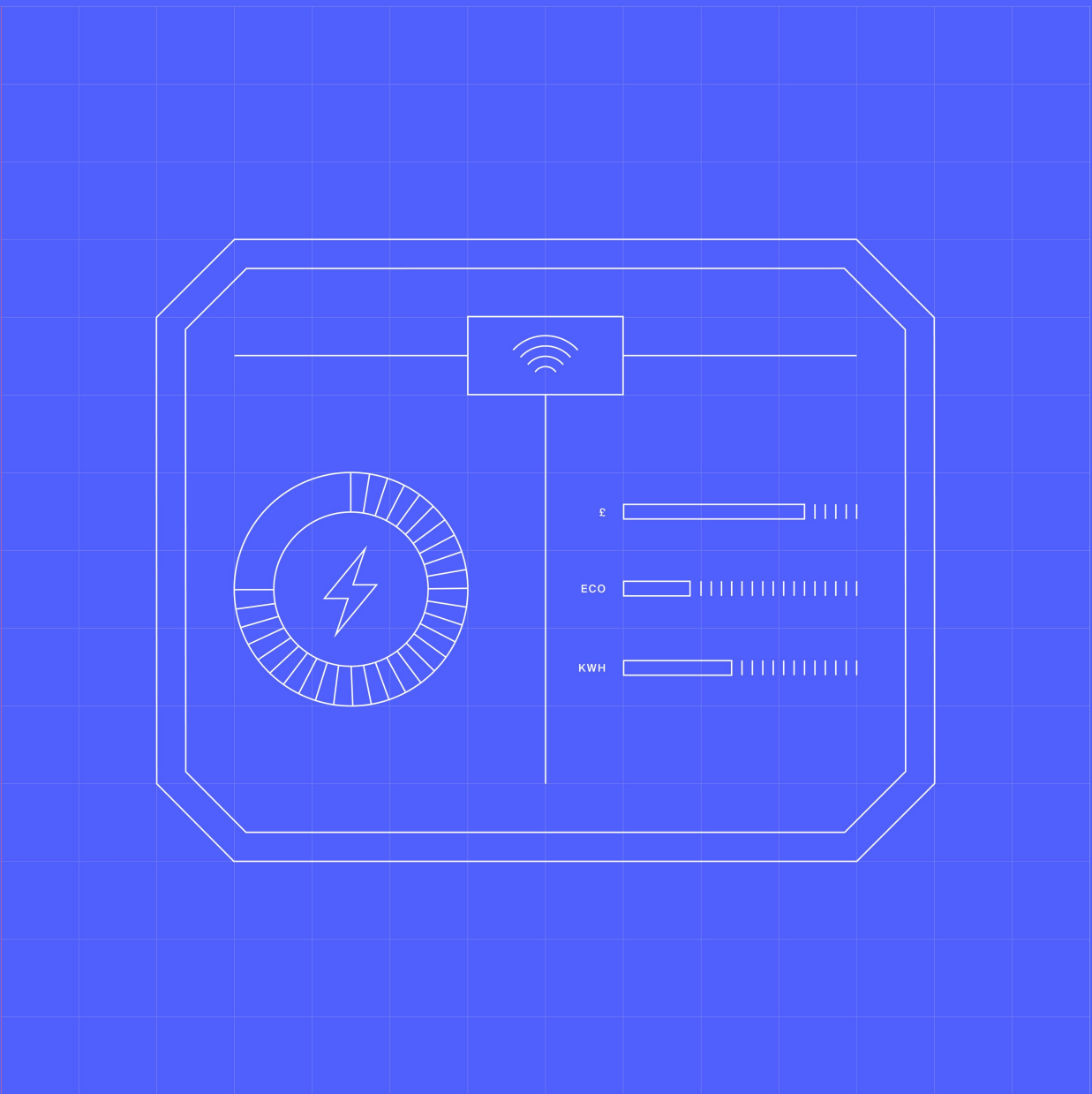
CR051 Report & Recommendations

DECISION: CR051: '*Deferral of MHHSP-037*' Review the outputs of Impact Assessment and decision on next steps

CR051 – Impact Assessment Summary
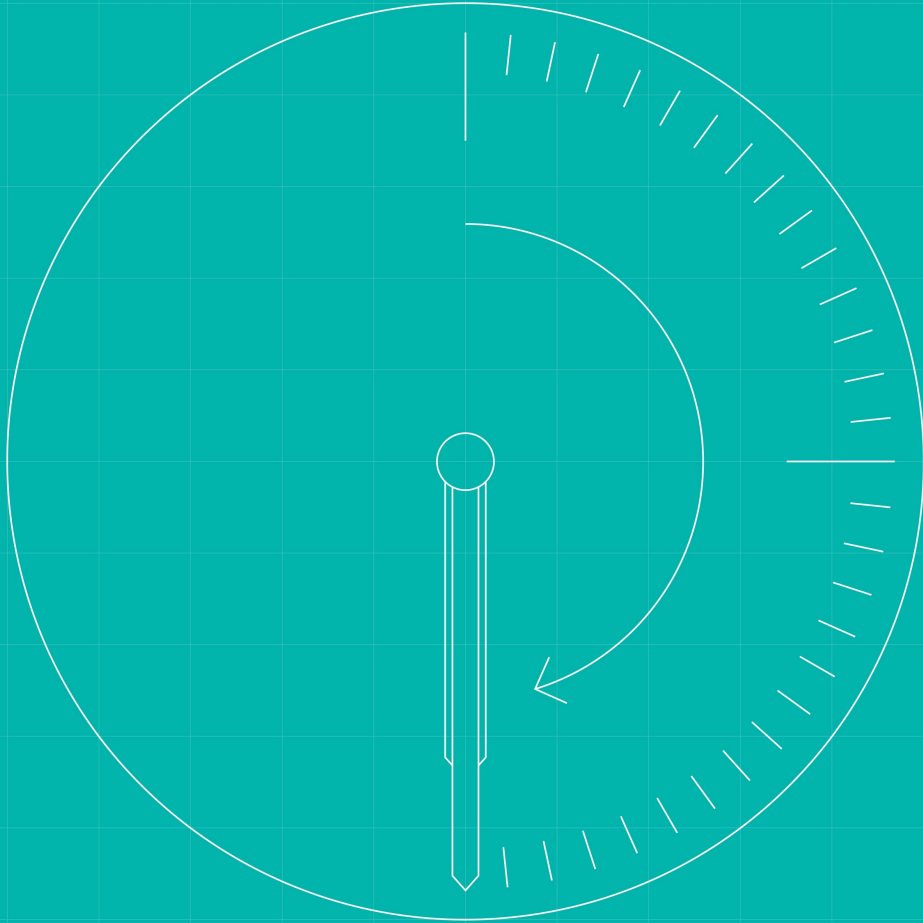
Objective:

Programme Steering Group to review the outputs of the issued CR051 Impact Assessments and decide to approve or reject the Change Request.

Headlines:

- Overall: **11 respondents supported the change; 0 respondents rejected the change; and 3 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - Load Shape data will still be available via IF messages.
  - The Programme benefits of deferring the change are clear - the risk of other potential delays will be reduced.
  - Deferring the requirement for the LSS to provide Load Shape data that is publicly accessible util after M10 has very little impact.
- **Further comments:**
  - As this is being deferred to post-SIT, the Programme will not be able to test the functionality. A non-MHHS Programme activity would be required in order to test.
  - **Implementation:**
  - This change will impact Code Artefact - BSC Service Description for BSC Central Services for Market-wide Half-Hourly Metering Systems (Version 0.9). Specifically, clause; "[MHHSP-37-LSS] 3.7.4 The LSS shall publish Load Shape Data, on the BSC website in a manner that is available to the public to access".
  - **The Programme will update the clause within the Code with an implementation date of M11 + 6 months.**

Recommendation:

- **The Change Board recommends the SRO to approve the Change Request at PSG.**
- Rationale: No respondents rejected the Change Request. Those who abstained did so because the changes do not impact them. Implementing the change will positively impact Programme timelines, and will have a minimal impact due to the data still being available to those who need it via IF messages.

CR051 – Submitted Impact Assessments

Programme Parties	CR051 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	3	-	1	1
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	2	-	-	39
DNOs	2	-	-	4
iDNOs	-	-	-	13
Ind. Agents	1	-	-	46
Supplier Agents	-	-	-	7
S/W Providers	-	-	-	25
REC Code Manager	-	-	1	-
National Grid ESO	1	-	-	-
Consumer	-	-	-	1
Elexon (Helix)	-	-	-	1
DCC	-	-	-	1
SRO / IM & LDP	1	-	-	-
IPA	-	-	1	-
Avanade	-	-	-	1
Totals	**11**	**0**	**3**	**178**

Notes:

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- One Large Supplier abstained from providing a recommendation as they do not believe the Section C of the Change Request includes adequate information to do so.
- The IPA and RECCo abstained from providing a recommendation as they are not impacted by the proposed changes.

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Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR051)
Large Suppliers	+ Three of the four responding Large Suppliers supported the implementation of Change Request. + Load Shape data will still be available via IF messages. + Deferring the requirement for the LSS to provide Load Shape data that is publicly accessible util after M10 has very little impact. • One Large Supplier abstained from providing a recommendation as they do not believe the Section C of the Change Request includes adequate information to do so. • Further information on how and when the requirement would be delivered post-M10 would be welcomed. Within the Change Request, it proposes that the implementation of MHHSP-037 would be deferred until M11 + 6 months. The Code will be updated to reflect this date.
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	*Did not respond.*
I&C	+ The two responding I&C suppliers supported the implementation of the Change Request. • The change proposal does not suggest an alternative date for its delivery. Within the Change Request, it proposes that the implementation of MHHSP-037 would be deferred until M11 + 6 months. The Code will be updated to reflect this date.
DNO	+ The two responding DNOs supported the implementation of the Change Request. • One DNO requested clarity on the detail of the messages that the Change Request relates to (IF PUB 22 & 22). This Change Request does not change the sending and receipt of MHHS Design related flows (e.g. IF/PUB 22). It is about providing MHHS related data on a publicly available data platform in an open format, which will be delivered within the Elexon Insights platform.
iDNO	*Did not respond.*
Agents	+ The one responding Independent Agent supported the implementation of the Change Request.
S/W Providers	*Did not respond.*

MHHS PROGRAMME
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CR051 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR051)
REC Code Manager	• The IPA abstained from providing a recommendation as the change does not impact their activities. • They questioned the implementation of the requirement. They stated that it would be useful to understand how implementation is being managed, so that the industry can understand how future requests to 'defer' requirements will be progressed. The Code will be updated to reflect the new implementation date: M11 + 6 months.
National Grid ESO	+ National Grid ESO are supportive of the implementation of the Change Request. + This change does not directly impact the ESO, however they recognise the programme benefits and are therefore supportive of the change.
Consumer	*Did not respond.*
Elexon (Helix)	*Did not respond.*
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request. + This is a low risk change as the data is already available to those who require the data for settlement.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	*Did not respond.*

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CR052 Report & Recommendations

DECISION: CR052: '*Amending the 'M7 SCR powers enabled'*
Milestone' Review the outputs of Impact Assessment and decision
on next steps

**MHHS
PROGRAMME**
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CR052 – Impact Assessment Summary
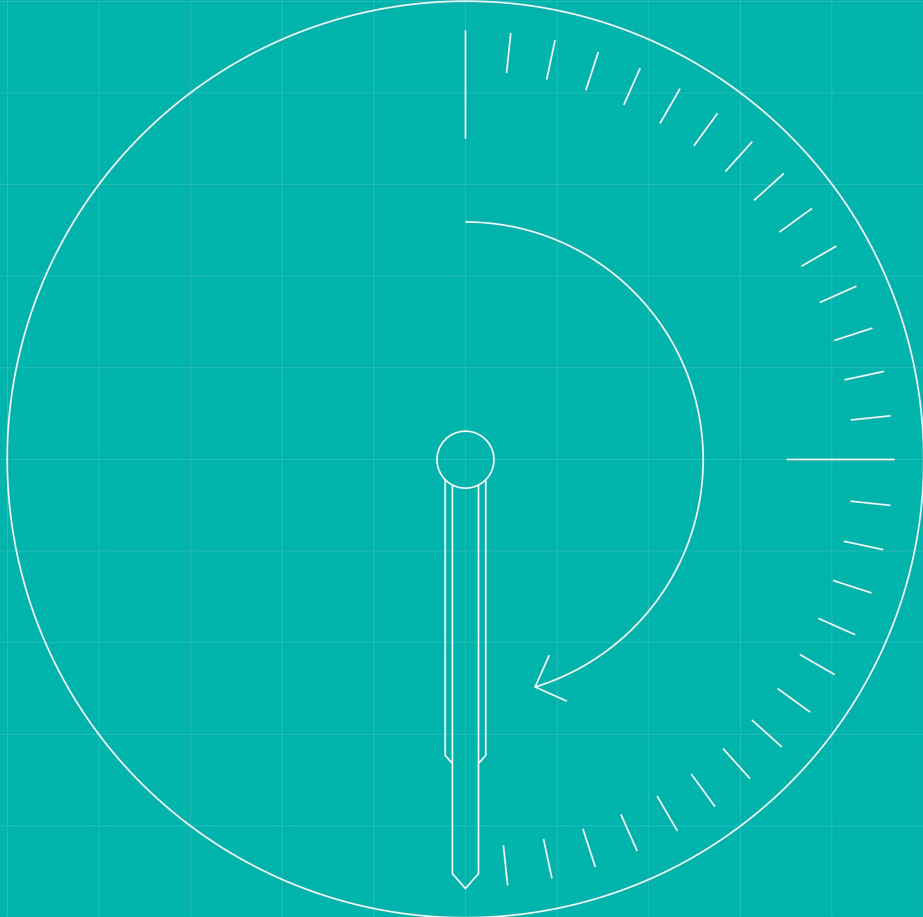
Objective:

Programme Steering Group to review the outputs of the issued CR052 Impact Assessments and decide to approve or reject the Change Request.

Headlines:

- Overall: **16 respondents supported the change; 0 respondents rejected the change; and 1 respondent abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - The change will provide clarity and certainty around what is being delivered at M7, and will ensure Ofgem has enough time to make a robust, fully informed decision without impacting other deliverables or milestones.
  - The change provides clarity to industry on the timeline that will be followed in order to formally give effect to the code changes required to deliver MHHS.
  - The M7 plan was created in November 2022. As we get closer to M7 we know more now about the delivery activities. As a result, it has been identified activities are missing from the plan. Amending the M7 timeline to include these activities is good Programme governance.
- **Further comments:**
  - It was requested that if there are any further changes identified by Ofgem, there should be an opportunity for industry parties to review these changes with an additional code change consultation. This will ensure completeness of the significant code change process and allow industry parties to complete their own final impact assessment.

Recommendation:

- **The Change Board recommends the SRO to approve the Change Request at PSG.**
- Rationale: no respondents rejected the Change Request. Those who abstained did so because the changes do not impact them. Implementing the change will provide clarity around M7 and gives Ofgem time to make well-informed decisions.

CR052 – Submitted Impact Assessments

Programme Parties	CR052 Recommendations			
	Yes	No	Abstain	No Reply
Large Suppliers	3	-	-	2
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	2	-	-	39
DNOs	4	-	-	2
iDNOs	-	-	-	13
Ind. Agents	1	-	-	46
Supplier Agents	-	-	-	7
S/W Providers	-	-	-	25
REC Code Manager	1	-	-	-
National Grid ESO	1	-	-	-
Consumer	-	-	-	1
Elexon (Helix)	1	-	-	-
DCC	-	-	-	1
SRO / IM & LDP	1	-	-	-
IPA	-	-	1	-
Avanade	1	-	-	-
Totals	**16**	**0**	**1**	**175**

Notes:

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- The IPA abstained from providing a recommendation as they are not impacted by the proposed changes.

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CR052 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR052)
Large Suppliers	+ All three of the responding Large Suppliers supported the implementation of Change Request. • It was recommended that if there are any further changes identified by Ofgem, there should be an opportunity for industry parties to review these changes with an additional code change consultation. This will ensure completeness of the significant code change process and allow industry parties to complete their own final impact assessment.
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	*Did not respond.*
I&C	+ The two responding I&C suppliers supported the implementation of the Change Request. • One respondent questioned why the need for the amendments to M7 had arisen. The M7 plan was created in November 2022. As we get closer to M7 we know more now about the delivery activities. As a result, it has been identified activities are missing from the plan. Amending the M7 timeline to include these activities is good Programme governance.
DNO	+ The four responding DNOs supported the implementation of the Change Request. + The change will provide clarity and certainty around what is being delivered at M7, and will ensure Ofgem has enough time to make a robust, fully informed decision without impacting other deliverables or milestones.
iDNO	*Did not respond.*
Agents	+ The one responding Independent Agent supported the implementation of the Change Request.
S/W Providers	*Did not respond.*

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CR052 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR052)
REC Code Manager	+ RECCo supported the implementation of the Change Request.
National Grid ESO	+ ESO supported the implementation of the Change Request. + The change provides clarity to industry on the timeline that will be followed in order to formally give effect to the code changes required to deliver MHHS.
Consumer	*Did not respond.*
Elexon (Helix)	+ Elexon supported the implementation of the Change Request. • There are constraints on the preparations that can be done before decision (M7). Any work done will be 'done at risk' and could result in additional effort to re-work the legal text into the relevant versions. Elexon are mitigating this by avoiding any other document releases between our standard November 24 Release and M8, so far as is possible.
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request. + The M7 plan was created in November 2022. As we get closer to M7 we know more now about the delivery activities. As a result, it has been identified activities are missing from the plan. Amending the M7 timeline to include these activities is good Programme governance. • The Progamme notes there is a risk that Code Bodies must start their M8 activities before Ofgem's M7 decision. This change does not increase the risk, but it elongates the period at which the Code Bodies must work at risk.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	+ Avanade supported the implementation of the Change Request.

MHHS PROGRAMME
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CR053 Report & Recommendations

DECISION: CR053: '*ISD Publication Frequency Change*' Review the outputs of Impact Assessment and decision on next steps
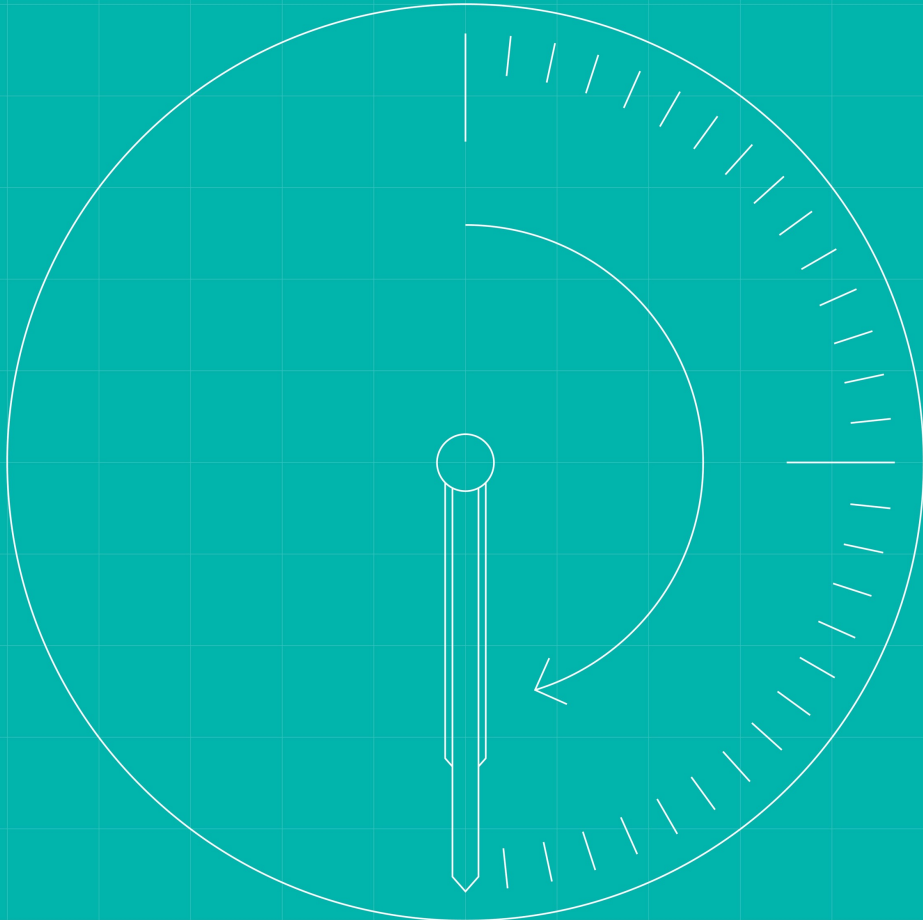
MHHS PROGRAMME
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CR053 – Impact Assessment Summary

Objective:

Programme Steering Group to review the outputs of the issued CR053 Impact Assessments and decide to approve or reject the Change Request.

Headlines:

- Overall: **18 respondents supported the change; 0 respondents rejected the change; and 1 respondents abstained.**
- **Those who supported the implementation of the Change Request did so on the following basis:**
  - Implementing the change is necessary to prevent the ISD from becoming a bottleneck. Any costs or additional resources required to make the change are necessary to avoid the costs which would come as a consequence of delaying migration activities.
  - The implementation of this solution would allow qualified parties to commence the migration process with minimum delay.
  - The change will potentially allow participants to migrate to MHHS sooner, and thus release some migration capacity. This is a positive outcome for the Programme.
- **Implementation:**
  - If the change is approved, minor Code changes are required to: BSCP702 3.1.1.1, BSCP706 3.1.1, BSCP707 Appendix 2 1.3, BSC Central Services SD 4.1.21.

Recommendation:

- **The Change Board recommends the SRO to approve the Change Request at PSG.**
- Rationale: no respondents rejected the Change Request. Those who abstained did so because the changes do not impact them. Implementing the change will prevent the ISD from becoming a bottleneck and will bring forward the date when parties can commence migration, thus mitigating the risk of lost migration capacity and serving to protect the M15 milestone.

MHHS PROGRAMME
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CR053 – Submitted Impact Assessments

Programme Parties	CR053 Recommendations			
	Yes	**No**	**Abstain**	**No Reply**
Large Suppliers	4	-	-	1
Medium Suppliers	1	-	-	6
Small Suppliers	-	-	-	33
I&C	3	-	-	38
DNOs	4	-	-	2
iDNOs	-	-	-	13
Ind. Agents	1	-	-	46
Supplier Agents	-	-	-	7
S/W Providers	-	-	-	25
REC Code Manager	1	-	-	-
National Grid ESO	1	-	-	-
Consumer	-	-	-	1
Elexon (Helix)	1	-	-	-
DCC	-	-	-	1
SRO / IM & LDP	1	-	-	-
IPA	-	-	1	-
Avanade	1	-	-	-
Totals	**18**	**0**	**1**	**173**

Notes:

The classification of Independent and Supplier Agents is maintained by the Programme Party Coordinator and is subject to change.

Rationale for being marked down as abstained:

- The IPA abstained from providing a recommendation as they are not impacted by the proposed changes.

PROGRAMME
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CR053 Impacts – Views on the proposed approach (Page 1)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR053)
Large Suppliers	+ All four responding Large Suppliers supported the implementation of Change Request. + Implementing the change is necessary to prevent the ISD from becoming a bottleneck. Any costs required to make the change are necessary to avoid the costs which would come as a consequence of delaying migration activities. • One respondent suggested that ISD should revert to monthly post-M14, as there is no reason to maintain a two-week frequency once Programme Participants have qualified. *ISD publication frequency will revert to monthly post-M14.* • One respondent questions whether the link provided for each ISD update would be different, or the same link with new data, and whether the increased frequency would only be required for the period of qualification. *Programme to confirm with Helix.*
Medium Suppliers	+ The one responding Medium Supplier supported the implementation of the Change Request.
Small Suppliers	*Did not respond.*
I&C	+ The three responding I&C suppliers supported the implementation of the Change Request. + Any additional costs and resources would be minimal, and outweighed by the benefits of speedier ISD releases.
DNO	+ The four responding DNOs supported the implementation of the Change Request. + The implementation of this solution would allow qualified parties to commence the migration process with minimum delay and potentially avoid a bottleneck in the process. • It was requested that the schedule of dates is collated for all ISD updates to ensure that all parties are clear on when this will be published, to allow for this to be built into the schedules for the transition period. *This will be detailed at a later date when the PAB schedule is agreed.*
iDNO	*Did not respond.*
Agents	+ The one responding Independent Agent supported the implementation of the Change Request.
S/W Providers	*Did not respond.*

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Document Classification: Public

CR053 Impacts – Views on the proposed approach (Page 2)

Programme Parties	Range of respondents' views on benefits and concerns (related to the approach in CR053)
REC Code Manager	+ RECCo are supportive of the implementation of the Change Request.
National Grid ESO	+ National Grid ESO are supportive of the implementation of the Change Request. + The change will potentially allow participants to migrate to MHHS sooner, and thus release some migration capacity. This is a positive outcome for the Programme.
Consumer	*Did not respond.*
Elexon (Helix)	+ Elexon are supportive of the implementation of the Change Request. • Overall moving to two ISD publishes a month looks feasible, and subject to the detail of how the governance process dates are set, there should be no change required to the ISD solution to handle this. • It will be necessary for the ISD operational team to scrutinise all ISD CRs to ensure they are allocated to the correct catalogue as the current automated rules may initially allocate a different catalogue. • There is only one Fast Track deadline per ISD Catalogue version possible in the system, so if it is decided that non-Qualification related ISD fast track changes must adhere to the monthly cycle then this will also need to be managed by the operational team.
SRO / IM & LDP	+ The Programme are supportive of the implementation of the Change Request. + Increasing the frequency of ISD publication will bring forward the date when parties can commence migration thus mitigating the risk of lost migration capacity and serving to protect the M15 milestone.
IPA	• The IPA abstained from providing a recommendation as the change does not impact their activities.
Avanade	+ Avanade are supportive of the implementation of the Change Request.

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Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

20 mins

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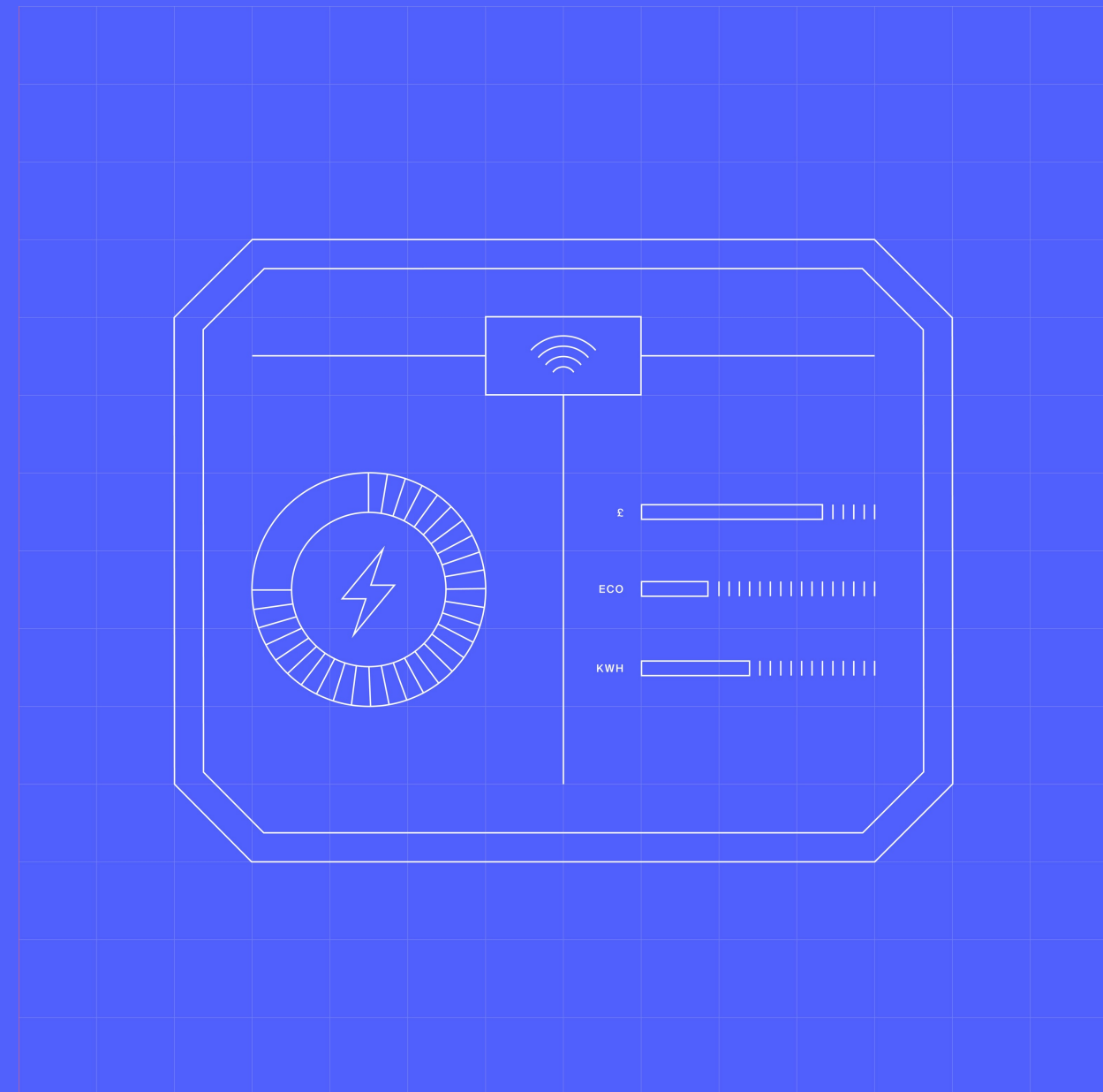
Delivery Dashboards Overview

Area	Title	Purpose
MHHSP Programme Status	**Risk Themes**	Provide a high-level view of Programme Risks
	Change Control	Update on the status of Change Requests
Industry Delivery Status	**SIT MVC Status**	Provide the status of SIT participants
	SIT Stage Statuses	Provide status of SIT stages
	Core Capability Provider Delivery Reports	Provide an overview of Helix, DIP, St Clements, RECCo, DCC and ElectraLink delivery plans and progress against them
	LDSO Delivery Updates	Provide the combined status and progress of LDSO delivery (DNOs and iDNOs)
	Central Party Finances	Provide high level Central Party budgets and expenditure
MHHSP Workstream Activity	**SI Workstream Update**	Update on activity and progress in the Design Management, Testing and Transition workstreams
	Fast Track Implementation Group (FTIG) Update	Update on the progress of FTIG
	Code Drafting Status	Update on the progress of Code Drafting against the Code Draft plan
	Qualification Testing Status	Update on the progress for qualification testing
	Migration Status	Update on the progress of migration
	Level 2/3 Advisory Group Updates	Update on key discussion items and outcomes from recent Level 2/3 Advisory Groups and provide a forward look of agenda items
	PPC Activity	Provide information on PPC activity and participant engagement – includes a summary from the recent open day
	Industry Change	Summarise items raised to the Programme horizon scanning process
Assurance	**Independent Programme Assurance (IPA)**	Provide a progress update on in-flight and planned assurance activities

Theme	Summary	Mitigation Approach Overview
Risks to SIT Functional Execution	The theme explores the factors which may affect the Programme being able to complete SIT Functional within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way • Scenario Planning is currently ongoing across all Test Phases, analysing current progress against forecasted timelines for completion, to consider revisions to the test schedule and any consequential impact on Programme Plan. More immediate proposals to change Maintenance Window to maintain testing momentum.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		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		
R930	There is a risk that SIT will not be completed in line with the Programme Plan	C at 25 → T at 12	Score remains at 25	1. Updated SIT execution planning and bilaterals with SIT participants to challenge and update model 2. Testing throughput has been lower than expected, Bilaterals are scheduled with Participants to address over the next two weeks. 3. Programme is currently conducting Scenario Planning across all Test Phases and consequential impact on Programme Plan. 4. Tactical proposal to delay IR8.1 maintenance window to support testing momentum and achievement of Cycle 2 targets. Maintenance Window extended to allow time for serial data loading activities.
R849	There is a risk, raised by some Participants in SITWG, FTIG, SITAG and NFTWG that the delivery of SIT Functional Test execution is more difficult than expected, along with the concurrent SIT Test Stage execution activities, resulting in some Participants under increased pressure to deliver at the pace required.	C at 25 ← I at 12 ; T at 6	Score remains at 25	1. Participants to raise directly with Programme if stresses blocking issues 2. Programme has reviewed progress and is continuing to have discussions with IPA 3. Testing throughput has been lower than expected, Bilaterals are scheduled with Participants to address over the next two weeks.
I188	There is an issue that the current RTTM requires development to assure that Programme SIT (and eventually Qualification) covers programme requirements across all roles. New test cases are required to calibrate test scope and gaps and these will need to be added to SIT.	I at 22 → T at 5	New item	1. Testing Team to develop new test cases from the role based RTTM, distribute these to PPs and schedule these into SIT. (Please note issues are scored differently to risks using a 1 to 5 score ranging from Low to Critical Issues)

Document Classification: Restricted

A new RAID item can be raised using the **RAID Log Input Form**   You can view RAID items across the programme using **dPMO Tool**

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 1: Risks to SIT Functional Execution

Theme	Summary	Mitigation Approach Overview
Risks to SIT Functional Execution	The theme explores the factors which may affect the Programme being able to complete SIT Functional within the planned duration	• Continuous monitoring of the MVC (through SIT CIT) to ensure that the MVC remains viable • Maintenance of pairing relationships via go-live cohorts, to enable better programme decisions based on risks / clarity on ways of working that enable SIT parties to work effectively, transparent and fairly with the programme to complete SIT in an optimum way • Scenario Planning is currently ongoing across all Test Phases, analysing current progress against forecasted timelines for completion, to consider revisions to the test schedule and any consequential impact on Programme Plan. More immediate proposals to change Maintenance Window to maintain testing momentum.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R803	There is a risk that triage / defect management is not effective in equitably addressing priorities and ensuring optimum execution progress	I at 16, C at 13, T at 10 (Medium)	Score reduced from 16 to 13	1. Encourage ownership of testing success within each cohort, to supplement and enhance the programme team's overall co-ordination of testing activities 2. Manage the balance of MVC progress (prove the E2E design) vs. cohort progress (risks to migration) 3. Implement improvements for SITF Cycle 2 based on Cycle 1 lessons learned 4. **Reason for score reduction**: Management Team have taken lessons learnt from Cycle 1 and improved Communications alongside daily defect calls leading to an improved Defect Management process.
R804	There is a risk that there could be different interpretations of the Design	I at 21, C at 20, T at 16	Score remains at 20	1. The design team are actively involved in the triage of defects (daily defect management calls) during SIT to help to mitigate different interpretations of the design, whilst avoiding unnecessary design change
R670	There is a risk that software / service provider SIT blockers may impact multiple suppliers SIT readiness and completion	C at 20, I at 13, T at 9	Score remains at 19	1. MHHS to ensure we understand the provider ecospheres that support suppliers and thereby identify overall risks to the MVC and to the contingency assumed - SIT pairings now cohorts 2. Progress reported weekly at FTIG. Bilaterals requested by some PPs to discuss 3. SIT MVC and Non MVC cohorts are confirmed, cohorts to continue to work with MHHS Testing Team to mitigate this risk.
R804	There is a risk that there could be different interpretations of the Design	I at 21, C at 20, T at 13	Score remains at 20	1. The design team are actively involved in the triage of defects (daily defect management calls) during SIT to help to mitigate different interpretations of the design, whilst avoiding unnecessary design change

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)

Key:
- I — Initial Score
- C — Current Score
- T — Target Score

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Document Classification: Restricted

A new RAID item can be raised using the **RAID Log Input Form**   You can view RAID items across the programme using **dPMO Tool**

Theme	Summary	Mitigation Approach Overview
SIT Migration Execution	The theme explores the factors that could impact the Programme being complete SIT Migration and Settlement Testing	• Bilaterals have been scheduled to understand the reasons regarding Participants throughput • Discussions with DCC to ensure clarity regarding CSS support for reverse migration activities. • Scenario Planning is currently ongoing across all Test Phases, analysing current progress against forecasted timelines for completion, to consider revisions to the test schedule and any consequential impact on Programme Plan. More immediate proposals to change Maintenance Window to maintain testing momentum.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		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		
R946	There is a risk that PPs will not complete SIT Migration in line with current Programme Plan	C → T (C at ~24, T at ~16)	New item	1. Testing throughput has been lower than expected, Bilaterals are scheduled with Participants to address over the next two weeks. 2. Scenario testing across all test phases to assess completion dates and timelines (See R930 for further detail)
R922	There is a risk that Cohorts who have not exercised sufficient SIT Functional CoA and CoS Testing will be impaired during the initial weeks of SIT Migration, uncovering Defects that could have been uncovered by earlier SIT Functional Testing	C ← I → T (C at ~21, I at ~13, T at ~9)	Score remains at 20	1. Programme to outline overall SIT M execution model, with assumptions to support required velocity of testing, to provide a benchmark for gauging whether future testing progress is on track. 2. Programme to monitor, report progress on incomplete Cycle 1 tests until they have been completed – with adjusting actions being taken collaboratively with Participants. 3. Programme to continue to monitor, report testing progress through SIT M vs. the benchmarked execution model, for gauging whether future testing progress is on track – with adjusting actions being taken collaboratively with Participants. 4. Scenario testing across all test phases to assess completion dates and timelines (See R930 for further detail)
R943	There is a risk that Non-Functional Testing may not start on time due to Settlement Testing not completing in SIT F cycle 2 Sprint 4.	C → T (C at ~24, T at ~16)	New item	1. SIT Team are conducting constant monitoring of PP Test Progress. 2. Engagement with PPs in Bilaterals to understand and alleviate blockers 3. Scenario testing across all test phases to assess completion dates and timelines (See R930 for further detail) 4. Proposed delay to the IR8.1 Maintenance window to allow for Settlement Testing to progress sufficiently before SIT-B is taken down for use for NFT.

A new RAID item can be raised using the **RAID Log Input Form**   You can view RAID items across the programme using **dPMO Tool**

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Restricted

Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Risks to SIT Non-Functional and SIT Operational	The theme explores the factors which may affect the Programme being able to complete SIT Non-Functional and Operational within the planned duration	• A PIT NFT Tooling questionnaire has been issued to all participants as a means of understanding their current methods of generating, and processing, of IFs and PUBs messages. • Additionally, participants have been asked how they have simulated various routes outside of programme scope but are integral in allowing end to end business processes to be completed. • Scenario Planning is currently ongoing across all Test Phases, analysing current progress against forecasted timelines for completion, to consider revisions to the test schedule and any consequential impact on Programme Plan. More immediate proposals to change Maintenance Window to maintain testing momentum.

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R753	There is a risk that if the MHHS Service Design and Service Transition are not completed at pace, the minimum required service management processes (and supporting technology) will not be ready to test within the SIT Operational testing phase starting in October 2024.	C (at 25), I (at 18), T (at 10) — Critical 30–25, High 24–17, Medium 16–9, Low 8–1	Score remains at 25	1. Governance route for industry approval of detailed Service Design needs to be agreed between MHHSP and Elexon 2. Service Design document produced by Elexon and under review with key stakeholders. On track for wider industry socialisation through Transition & Operational Readiness Working Group (TORWG). 3. Software provider selected for ServiceNow implementation- awaiting detailed plan from Elexon to confirm whether timescales for Operational Testing can be achieved. 4. Agreement to provide Low Level Designs to enable Programme to complete Theme 3. 5. This risk has been raised to Elexon as requiring urgent attention.

A new RAID item can be raised using the **RAID Log Input Form**   You can view RAID items across the programme using **dPMO Tool**

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Restricted

Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Risks to Qualification Success	Code Bodies are accountable for Qualification for all relevant PPs. Industry participants have raised a risk historically that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	• CR 47 and 48 have been approved by programme governance. This includes some additional milestones to support participant planning. CR 47 and 48 now embodied in Programme Plan which has highlighted R900 risk to M10 (in later slide). • Ongoing collaboration between MHHSP and Code Bodies and industry to develop and approve Qualification material through QWG & QAG. • Wave allocation has been confirmed and Code Bodies are reviewing placing reliance

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R276	There is risk of Elexon BSC and/or RECCo having limited capacity to manage the volume of Participants going through Qualification testing at any one time	I, C at 15 → T at 7 (Medium → Low)	Score remains at 15	1. Code Bodies now have view of the participants wave allocation choice from PQS. Code Bodies are working with the Non-SIT S&A QT Team and the Qualification Service Providers to ensure that we are resourced accordingly. 2. Code Bodies reviewing placing reliance submissions which will give a view of how much testing is needed by each party
R332	Suppliers may require maximum amount of time to complete their DBT, resulting in backlog in final waves of Qualification	C at 16 ← I at 12 → T at 9 (Medium)	Score remains at 15	1. Code Bodies reviewing any potential capacity constraints and make adjustments, to allow them to manage participant's preferred Qualification Wave. This information will also be made available to the Programme so that it can understand the impact of supplier's plans on their Migration start dates. 2. PP's will be providing updated QT plans ahead of their QT wave starting which will provide information on readiness and their timescales. 3. Code Bodies reviewing placing reliance submissions which will give a view of how much testing is needed by each party
R919	There is a risk that the deferment of the SITAG's approval of the SIT Non-Functional Test Approach and Plan could impact readiness activities for SIT and Qualification Non-Functional Testing	C at 16 ← I at 12 → T at 9 (Medium)	Score increased to 20	1. Assessment of potential LDP solution to support Theme 1 underway. 2. Progressing discussions with Avanade & Helix 3. Need to bring back NFT Approach & Plan to SITAG – July target but this is very tight 4. Theme 1 unlikely to impact PP testing in Themes 2 & 3 and ongoing discussions with LDSOs on NFT positive as clarifications, rather than changes to existing position

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)

MHHS PROGRAMME Industry-led, Elexon facilitated

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Document Classification: Restricted

Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Risks to Qualification Success	Code Bodies are accountable for Qualification for all relevant PPs. Industry participants have raised a risk historically that there has been a lack of clarity on the approach and plan to deliver Qualification for non-SIT LDSOs, Suppliers and Agents.	• CR 47 and 48 have been approved by programme governance. This includes some additional milestones to support participant planning. CR 47 and 48 now embodied in Programme Plan which has highlighted R900 risk to M10 (in later slide). • Ongoing collaboration between MHHSP and Code Bodies and industry to develop and approve Qualification material through QWG & QAG. • Participants have submitted their PQS and PIT plans which are being reviewed

Key Risks

Risk/Issue ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify	C I ——→ T	Score remains at 18	1. Programme has sent request to Code Bodies to clarify PIT approach to mitigate this risk. Further discussion required between Programme SIT team, Non-SIT LDSO team and Code Bodies to mitigate this risk for SSEN and BUUK. 2. SIT team to document their approach to PIT assurance so audit trail of the process and procedures used
R695	Code Bodies will not be ready to complete Supplier and Agent Qualification in time for waves (time)	C ←—— I ——→ T	Score remains at 15	1. Code Bodies have published qualification document that sets out a clear plan for required activities and associated documentation on qualification requirements (e.g. QA&P v2 (including Annex 1 and 2 on testing approach), QAD v1 and REC and BSC assessment criteria 2. Dates from the approved QA&Pv2 to be included in the Programme Plan via CR47 and CR48 and Code Body activity is currently tracking to these dates. 3. Code Bodies reporting progress on Qualification activities to MHHS Programme (inc PSG, QAG and Programme Project Board). 4. Detailed plan qualification plan incorporated into MHHS Programme plan. Regular review sessions happening.
R928	There is a risk that SIT Testing is delayed due to technical issues or lack of resource causing a stable code base to be delivered/available later than expected to UIT. This may impact the commencement date for Non SIT LDSO QT.	C I ——→ T	Score remains at 14	1. Collaboration between Code Bodies and MHHSP to understand the progress of SIT and any issues which may impact Qualification Waves commencing. 2. Two layers of checkpoints: 1) Speaking to Participants on their readiness. Engagement and flagging any issues from Qualification PPs 2) Entry criteria into LDSO Qualification is defined at a high level included in the LDSO Test Approach

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

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Document Classification: Restricted

Key
I — Initial Score
C — Current Score
T — Target Score

Theme	Summary	Mitigation Approach Overview
Commencing and completing Migration successfully	The theme explores the factors which may affect the Programme meeting M10 / M11 and completing Migration and how the Programme is planning to mitigate these to stop these risks from converting into issues	• Some of the existing risk factors around M10 / M11 will be mitigated by the findings throughout SIT Testing, which will evaluate assumptions, highlight to the Programme the areas which require attention and allow the Programme enough time to make the changes necessary for M10 / M11 success • The Migration Design, the Migration Cutover & Data Strategy, the Data Cleanse Plan, the Migration Thresholds Document and ongoing Code Drafting will provide Participants necessary materials to prepare for M10 / M11

Key Risks

Risk Score Assessment scale: Critical (30–25), High (24–17), Medium (16–9), Low (8–1)

Risk ID	Risk Description	Risk Score (I = Initial, C = Current, T = Target)	Current score movement since last PSG	Mitigation Plan
R663	There is a risk that those large Supplier Agents, who support multiple large Suppliers, will not be able to support planned migration volumes due to operational or technical constraints	I=18 → C=15 → T=14 (Medium)	Score remains at 14	1. Large Agents have invested in infrastructure (e.g. IT hardware and operating systems) capable of supporting NFR volumes. 2. Large Agents have operational plans and resources in place to manage migration volumes. 3. Suppliers have commercial contingencies in place to manage performance issues of Large Agents. 4. SRO will perform oversight over when validating supplier plans.
R488	There is a risk that a significant volume of export MPANs created within Programme transition timescales will impact the ability of suppliers and DNOs to deliver Programme Migration	C=14, I=13 → T=9 (Medium)	Score remains at 13	1. Programme to engage Ofgem to clarify what existing obligations mean for Programme and Parties 2. Licence consultation closed on 13-Mar-24. Await findings to ascertain way forward 3. The Programme's recommendation to Ofgem is that Bulk creation of Export MPANs is not undertaken until MHHS Migration is completed 4. Awaiting formal position from Ofgem
R700	There is a risk that Suppliers and Agents do not complete Qualification in line with their delivery plans and this places pressure on the volumes that needs to be delivered over the remainder of the migration period	C=14, I=13 → T=12 (Medium)	Score increased to 17	1. Engagement with Suppliers and Agents to ensure they build a Qualification delivery plan that is achievable, and that they remain on track to deliver this plan. 2. Increased flexibility from Code Bodies in wave qualification. 3. Close liaison and reporting required from Qualification team to the Migration Control Centre.
R677	There is a risk that performance testing of the migration functionality within MPRS identifies an issue that cannot be resolved in time for SIT and non-SIT LDSO Non-Functional Testing. Risk is that LDSOs cannot meet migration thresholds. LDSOs need to carry out performance testing with their service providers i.e. SCS	I=20 → C=13 → T=10 (Medium)	Score remains at 12	1. Relaxation of the 60-minute SLA for LDSOs to process all migration messages during the migration period was approved 20-Nov-23 TMAG with the approval of the Migration Thresholds Document. 2. SCS advised Performance Testing was completed on 16-Feb and currently awaiting feedback. 3. SCS confirmed their performance testing achieved the Thresholds as per the Thresholds document, this was confirmed on 01-Mar-24. 4. Assessing SIT and QT testing criteria for performance testing
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes	C=16 ← I=14 → T=9 (Medium)	Score remains at 18	1. Mitigations to be agreed as part of Consultation 2 of the Migration Framework. Exploring regulatory mechanisms that deal with scenarios where participants breach agreed system thresholds.

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Document Classification: Restricted   44

Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Readiness and Prep for Technical Go-Live	This theme explores the risks to Central Systems being ready to operate within the new MHHS arrangements at M10. It looks at the activities that need to be completed for Participants to successfully operate within the new arrangements.	• Elexon have published their high-level service design. • Data Cleanse Plan has been developed and circulated, ongoing support and assurance provided by the Programme to ensure progress is being made by participants. • M10/M11 Cutover Plan has been signed off, ensuring Central Parties are clear of expectations on them at go-live.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		Critical (30-25) · High (24-17) · Medium (16-9) · Low (8-1)		
R839	There is a risk that Core Capability Providers will not all be ready to Go-Live by M10	C = 25, I = 21, T = 8 (arrow from I to C and from I to T)	Score remains at 25	1. Programme assurance of Central Services Readiness activities, key deliverables and requirements identified in the cutover plan. This is dependent on Central Services completing SIT. 2. Acceptance Criteria for M10 have been defined in the Cutover Plan and these will be used to monitor, track and assure CCP readiness for M10. 3. Participant Cutover Plan expectations to be discussed and risk-based assurance to be carried out on readiness. 4. Risk-based Assurance of Readiness is being undertaken with focus on dependencies for SIT Op, M10 and Early Life Support.
R427	There is a risk that new MHHS data won't be populated prior to M10. Failure to populate the data for each MPAN will impact migration	C = 10, I = 10, T = 6 (arrow to T)	Score remains at 10	1. Individual participants fulfilling their objectives in the Data Cleanse Plan. 2. Programme to monitor and assure progress by participants vs the Data Cleanse Plan through the DCWG.
R916	There is a risk that one or some of the Cutover activities that are due to take place over the weekend between 07/03/25 and 10/03/25 do not take place successfully	C = 11, T = 6 (arrow to T)	Score remains at 11	1. Programme to develop participant declaration requirements through TORWG.
R917	There is a risk that some of the declaration requirements from participants are not received in time for the relevant governance meetings.	C = 10, T = 6 (arrow to T)	Score remains at 10	1. Programme to develop participant declaration requirements through TORWG.

Key
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Theme	Summary	Mitigation Approach Overview
Readiness and Prep for Technical Go-Live	This theme explores the risks to Central Systems being ready to operate within the new MHHS arrangements at M10. It looks at the activities that need to be completed for Participants to successfully operate within the new arrangements.	• Service Management Strategy has been signed off, enabling Elexon to progress with the detailed Service Design • Data Cleanse Plan has been developed and circulated, ongoing support and assurance provided by the Programme to ensure progress is being made by participants. • M10/M11 Cutover Plan has been signed off, ensuring Central Parties are clear of expectations on them at go-live.

Key Risks

Risk ID	Risk Description	Risk Score Assessment	Current score movement since last PSG	Mitigation Plan
		Critical / High / Medium / Low (30–1)		
R900	There is a risk that there is insufficient time for Service Activation for LDSOs between the completion of LDSO Qualification and M10	I →(17) C →(14) T →(4)	Score reduced from 18 to 14	1. Including LDSO Qualification activities in the Programme Plan has highlighted this risk. Service Activation process is currently being reviewed to identify any potential issues and agree actions to mitigate. 2. Latest iteration of Service Activation process has this now completing c. 4WDs therefore the risk is reduced. Still dependent on CR53 approval to reduce SVG timescales.

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Key
I	Initial Score
C	Current Score
T	Target Score

Theme	Summary	Mitigation Approach Overview
Early Life Risks	This theme explores risks during the period immediately following the go-live of the MHHS arrangements(M10) and during the early stages of the MHHS Migration period (post M11/M12).	• Early Life Support Model is being developed. This will set out the ramp up criteria that will need to be met for the number of migrations to be increased. • Programme to monitor and assure progress by participants vs the Data Cleanse Plan through the DCWG

Key Risks

Risk ID	Risk Description	Risk Score Assessment (30–1)	Current score movement since last PSG	Mitigation Plan
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes	C at 18, I at 15, T at 7	Score remains at 18	1. Mitigations to be agreed as part of Consultation 2 of the Migration Framework. Exploring regulatory mechanisms that deal with scenarios where participants breach agreed system thresholds.
R745	There is a risk that Post M11, migration is ramped up too quickly before performance has indicated the number of migrations can be ramped up.	C at 11, T at 6	Score remains at 17	1. Early Life Support Model is being developed. This will set out the ramp up criteria that will be needed to be met for the number of migrations to be increased.
R439	There is a risk that legacy Agents and Suppliers operating MPANs do not make required changes to their existing business processes and Services to support Migration (within the legacy arrangements)	C at 22, I at 10, T at 4	Score remains at 22	1. Code Bodies have asked PPs for plans within their PQS and ask for Management Assertion confirming the changes have been implemented. Elexon to send out Assurance Information Request in Nov-24 regarding the plans and how far PP's have got. 2. Comms to be produced by the PPC Team to outline the Assurance being conducted by Code Bodies. 3. Risk scoring has been re reviewed and increased due to the consumer impact of this risk

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Document Classification: Restricted

Key

I	Initial Score
C	Current Score
T	Target Score

Look Ahead – Key Milestones Status at 31Jul 24 (1)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-DB-0151	SITAG	SIT Non-Functional PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 10/05/24	Fri 10/05/24	PP	RED	BLUE	GREY	
T3-TE-0026	SITAG	SIT Non-Functional Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test	RED	BLUE	GREY	
T3-DB-0153	SITAG	SIT Non-Functional PIT RTTM submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP	RED	RED	RED	32/34 RTTMs have been submitted to the Programme. Because of the delay to all RTTMs being submitted there is an increased risk to completion of SIT Non-Functional PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs
T3-DB-0155	SITAG	SIT Non-Functional PIT test scenarios submitted to Programme for assurance	Thu 30/05/24	Thu 30/05/24	PP	RED	RED	RED	28/34 test scenarios have been submitted to the Programme. Because of the delay to all test scenarios being submitted there is an increased risk to completion of SIT Non-Functional PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs
T3-DB-0159	SITAG	SIT Operational PIT Test Approach & Plan (PIT) submitted to Programme for assurance	Fri 14/06/24	Fri 14/06/24	PP	RED	RED	RED	27/34 test approach and plans have been submitted to the Programme. Because of the delay to all Test Approach and plans being submitted there is an increased risk to completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 1	Wed 19/06/24	Wed 19/06/24	SI Test	RED	BLUE	GREY	
T3-DB-0152	SITAG	SIT Non-Functional Test approach and plan MHHS Review Completed	Thu 04/07/24	Thu 04/07/24	SI Test	RED	RED	RED	Late because the completion of the review is dependant on the delivery of all of the SIT Non-Functional Test Approach and Plans from the PPs. This increases the risk to SIT Non-Functional PIT completion
T3-DB-0161	SITAG	SIT Operational PIT RTTM submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	RED	RED	RED	17/34 SIT Operational PIT RTTMs have been submitted to the Programme. Because of the delay to all RTTMs being submitted there is an increased risk to completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs

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Milestone RAG definitions			
Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 31Jul 24 (2)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-DB-0163	SITAG	SIT Operational PIT test scenarios submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	Red	Red	Red	14/34 SIT Operational PIT test scenarios have been submitted to the Programme. Because of the delay to all SIT Operational PIT test scenarios being submitted there is increased risk to the completion of SIT Operational PIT. Re-forecasting the completion date isn't possible as delivery is dependent on the PPs
T3-DB-0154	SITAG	SIT Non-Functional RTTM MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Red	Red	Red	Date missed because the completion of the review is dependent on the delivery of all of the SIT Non-Functional RTTMs from the PPs. This increases the risk to SIT Non-Functional PIT completion
T3-DB-0156	SITAG	SIT Non-Functional Test scenarios MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Red	Red	Red	Date missed because the completion of the review is dependent on the delivery of all of the SIT Non-Functional Test Scenarios from the PPs. This increases the risk to SIT Non-Functional PIT completion
T3-MI-0037	MCAG (Migration)	Consultation 2 - Control - MCAG Approval of Interim Artefacts	Thu 25/07/24	Thu 25/07/24	PP	Grey	Blue	Grey	
T3-QU-0114	QAG (Non-SIT LDSO)	Test Plan Submission to MHHS Programme For Review	Fri 26/07/24	Fri 26/07/24	LDSO	Green	Red	Red	9 of the expected 12 Interim Test Readiness Reports and are following up with those who are outstanding. These are not a direct requirement of onboarding but a gap analysis ahead of test start
T3-QU-0116	QAG (Non-SIT LDSO)	Interim Test Readiness Report Submission to MHHS Programme for Review	Fri 26/07/24	Fri 26/07/24	LDSO	Green	Red	Red	9 of the expected 12 Interim Test Readiness Reports and are following up with those who are outstanding. These are not a direct requirement of onboarding but a gap analysis ahead of test start
T3-MI-0033	MCAG (Transition)	MCAG Approval of Early Life Support Model	Tue 30/07/24	Tue 30/07/24	SI Transition	Red	Red	Red	Date will be missed because of input required from Code-Bodies. Because of this drafting and publication of the document have been delayed. Impact will be further defined once timelines are understood. Update will be given when further discussions have been held with the Code Bodies at the end of August

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Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 31Jul 24 (3)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-DB-0157	SITAG	SIT Non-Functional PIT Completion Report submitted to Programme for assurance	Fri 02/08/24	Fri 02/08/24	PP	Green	Amber	Blue	Date at risk because of lower engagement than expected. This may impact NFT SIT start date. Continue engagement with PPs
T3-QU-0009	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs Participants' environments) Ready to start DIP onboarding (incl. certificates and security compliance)	Mon 05/08/24	Mon 05/08/24	Non-SIT LDSO	Green	Amber	Blue	At risk because of DIP env availability for the test harness. (Issue no: I186)
T3-DB-0160	SITAG	SIT Operational Test approach and plan MHHS Review Completed	Thu 08/08/24	Thu 08/08/24	SI Test	Amber	Amber	Amber	At risk because the completion of the review is dependant on the delivery of all of the SIT Operational Test Approach and Plans from the PPs. This increases the risk to SIT Operational PIT completion
T3-DB-0162	SITAG	SIT Operational RTTM MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test	Amber	Amber	Amber	At risk because the completion of the review is dependent on the delivery of all of the SIT Operational RTTMs from the PPs. This increases the risk to SIT Operational PIT completion
T3-DB-0164	SITAG	SIT Operational Test scenarios MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test	Amber	Amber	Amber	At risk because the completion of the review is dependent on the delivery of all of the SIT Operational Test Scenarios from the PPs. This increases the risk to SIT Operational PIT completion
T3-DB-0158	SITAG	SIT Non-Functional PIT Completion Report MHHS Review Completed	Fri 16/08/24	Fri 16/08/24	SI Test	Green	Amber	Amber	Date at risk because of potential delay to submissions for SIT Non-Functional PIT completion reports. Impact may be a delay to the start of SIT Non Functional Testing. Continue engagement with PPs
T3-MI-0024	MCAG (Transition)	DCC to extract ESME ID and share with LDSO	Fri 16/08/24	Fri 16/08/24	DCC/SI	Green	Green	Green	
T3-TE-0081	SITAG	Cycle 3 - PP's confirmation that test data is ready for SIT Functional	Mon 19/08/24	Mon 19/08/24	SI Test Data	Green	Green	Green	

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Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 31Jul 24 (4)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-TE-0117	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 1	Wed 21/08/24	Wed 21/08/24	SI Test	🟥	🟩	🟩	
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 3	Wed 21/08/24	Wed 21/08/24	SI Test	🟥	🟩	🟩	
T3-QU-0110	QAG (Non-SIT LDSO)	QAG Approval for Operational, Non-Functional & Migration Annexes of Approach & Plan	Thu 22/08/24	Thu 22/08/24	Code Bodies	🟩	🟩	🟩	
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Complete	Thu 22/08/24	Thu 22/08/24	Non-SIT LDSO	🟩	🟩	🟩	
T3-QU-0071	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Non-Functional - Approved at QAG	Thu 22/08/24	Thu 22/08/24	Non-SIT LDSO	🟩	🟩	🟩	
T3-QU-0073	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Operational - Approved at QAG	Thu 22/08/24	Thu 22/08/24	Non-SIT LDSO	🟩	🟩	🟩	
T3-QU-0077	QAG (Non-SIT LDSO)	PP Test Scope Presented at QAG	Thu 22/08/24	Thu 22/08/24	Non-SIT LDSO	🟩	🟩	🟩	
T3-QU-0081	QAG	QAG Approval of Qualification Approach and Plan v3	Thu 22/08/24	Thu 22/08/24	Code Bodies	🟩	🟩	🟩	
T3-QU-0083	QAG	QAG Endorsement of Qualification Assessment Document v2	Thu 22/08/24	Thu 22/08/24	Code Bodies	🟩	🟩	🟩	
T3-TE-0035	QAG	Non-SIT LDSO Test Harness Released	Fri 23/08/24	Fri 23/08/24	SI DevOps	🟧	🟧	🟧	Risk to delivery if message functionality in IR7.3 UIT environment not released on 1st August as originally planned. SRO discussing with Avanade and awaiting confirmation
T3-TE-0044	QAG	Central Parties' UIT environments ready to start connectivity proving (incl. certificates and security compliance)	Fri 23/08/24	Fri 23/08/24	SI Test	🟩	🟩	🟩	
T3-RE-0550	CCAG	CCAG recommend final code to PSG for baselining	Fri 23/08/24	Wed 21/08/24	PP	🟩	🟩	🟩	
T1-RE-1000	PSG	Code changes baselined (M6)	Fri 23/08/24	Fri 23/08/24	CPT	🟩	🟩	🟩	
T2-TE-0700	SITAG	SIT Non-Functional Testing Preparation Complete	Mon 26/08/24	Mon 26/08/24	SI Test	🟩	🟩	🟩	
T3-QU-0080	QAG	Assessment Criteria (Functional, Non-Functional, Migration, Operational) Approved by REC PAB and BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies	🟩	🟩	🟩	
T3-QU-0065	QAG	Non-Functional Testing elements of Qualification Approach and Plan v3 approved by REC PAB and BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies	🟩	🟩	🟩	

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Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

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Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-QU-0067	QAG	Qualification Assessment Document v2 approved by REC PAB and BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies	🟩	🟩	🟩	
T3-TE-0040	SITAG	SIT Non-Functional Testing Start	Mon 02/09/24	Mon 02/09/24	SI Test	🟩	🟩	🟩	
T3-QU-0113	QAG (Non-SIT LDSO)	Test Data Signed Off	Tue 03/09/24	Tue 03/09/24	Non-SIT LDSO	🟧	🟧	🟧	To complete testing in accordance with test scenarios, LDSOs are required to fill gaps in their test data, potentially with synthetic data. Some LDSOs stated that they won't be able to incorporate synthetic data into their test data (Risk no: TBC). LDSOs will not be able to meet the standards of M10 and achieve Qualification. Through QWG and the LQTSG we have proposed and are discussing solutions with the LDSOs, with a view to achieving full test coverage for all
T3-DB-0165	SITAG	SIT Operational PIT Completion Report submitted to Programme for assurance	Fri 06/09/24	Fri 06/09/24	PP	🟩	🟩	🟩	
T3-QU-0084	QAG	Update to Qualification Assessment Document Portal post QAD V2 Complete	Thu 12/09/24	Thu 12/09/24	QAD Portal Dev Team	🟩	🟩	🟩	
T3-MI-0027	MCAG (Transition)	Automated Population of Connection Type for Measurement Classes 'B', 'D', 'F' & 'G'	Fri 13/09/24	Fri 13/09/24	LDSO	🟩	🟩	🟩	
T3-MI-0028	MCAG (Transition)	BAU Population of Connection Type for Site Specific LLFCs within Measurement Classes 'C' & 'E'	Fri 13/09/24	Fri 13/09/24	LDSO	🟩	🟩	🟩	
T3-MI-0029	MCAG (Transition)	Automated Population of Connection Type for Smart Meters within Measurement Class 'A'	Fri 13/09/24	Fri 13/09/24	LDSO	🟩	🟩	🟩	
T3-MI-0030	MCAG (Transition)	Automated Population of Null Connection Type	Fri 13/09/24	Fri 13/09/24	LDSO	🟩	🟩	🟩	
T3-QU-0078	QAG (Non-SIT LDSO)	LDSO Test Environments Connection Confirmed to UIT Environment	Wed 18/09/24	Wed 18/09/24	Non-SIT LDSO	🟩	🟧	🟧	At risk because of DIP env availability for the test harness. (Issue no: I186)
T3-TE-0114	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 3	Wed 21/08/24	Wed 18/09/24	SI Test	🟥	🟩	🟩	
T3-QU-0124	QAG	E2E Sandbox Test Data Approach and Plan Approved	Thu 19/09/24	Thu 19/09/24	Sandbox (Qualification Governance)	🟩	🟩	🟩	
T3-QU-0120	QAG	QAG Approval of QT Non-Functional Test Scenarios and Test Cases Batch 2	Thu 19/09/24	Thu 19/09/24	Non-SIT S&A QT Test Team	🟩	🟧	🟧	Delay in SIT Non-Functional/Operational Test Scenario Approval dates. QT Test Scenarios which reuse SIT Scenarios are unable to be approved until SIT Scenarios are approved. Review scope of SIT NF/Operational to understand whether all themes impact QT, work with SIT team to increase parallelisation of activities where possible.

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Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Look Ahead – Key Milestones Status at 31Jul 24 (6)

To align to weekly reporting, the previous, current and forecast RAGs reflect milestone status from last week, this week and next week, respectively.

Milestone ID	Forum	Milestone Title	Baseline Date	Forecast Date	Responsible	Previous RAG 24/07/24	Current RAG 31/07/24	Forecast RAG 07/08/24	Commentary
T3-QU-0121	QAG	QAG Approval of QT Operational Test Scenarios and Test Cases Batch 1	Thu 19/09/24	Thu 19/09/24	Non-SIT S&A QT Test Team	Green	Amber	Amber	Delay in SIT Non-Functional/Operational Test Scenario Approval dates. QT Test Scenarios which reuse SIT Scenarios are unable to be approved until SIT Scenarios are approved. Review scope of SIT NF/Operational to understand whether all themes impact QT, work with SIT team to increase parallelisation of activities where possible.
T3-QU-0122	QAG	QAG Approval of QT Operational Test Scenarios and Test Cases Batch 2	Thu 19/09/24	Thu 19/09/24	Non-SIT S&A QT Test Team	Green	Green	Green	
T3-DB-0166	SITAG	SIT Operational PIT Completion Report MHHS Review Completed	Fri 20/09/24	Fri 20/09/24	SI Test	Green	Green	Green	
T2-TE-0750	SITAG	SIT Operational Testing Preparation Complete	Wed 25/09/24	Wed 25/09/24	SI Test	Green	Green	Green	
T3-MI-0025	MCAG (Transition)	LDSO 'full refresh' between their Registration Service and the EES (ESME ID)	Fri 27/09/24	Fri 27/09/24	LDSO/EES	Green	Green	Green	
T3-MI-0026	MCAG (Transition)	LDSO 'full refresh' between their Registration Service and the EES (Meter Location and Number of Displayed Register Digits)	Fri 27/09/24	Fri 27/09/24	LDSO /EES	Green	Green	Green	
T3-QU-0076	QAG (Non-SIT LDSO)	Non-SIT LDSO Participants have submitted PIT Test Completion Report & evidence for QT Entry	Mon 30/09/24	Mon 30/09/24	Non-SIT LDSO	Green	Green	Green	
T3-QU-0007	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Programme Test Readiness confirmed	Mon 30/09/24	Mon 30/09/24	Non-SIT LDSO	Green	Green	Green	
T2-QU-0550	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Readiness Confirmed (Final Test Readiness Review for LDSO)	Mon 30/09/24	Mon 30/09/24	LDSO	Green	Green	Green	

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Milestone RAG definitions

Complete	On track	Likely to be met if issues / risks are resolved / mitigated	Date missed or unlikely to be met without escalation

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action *If approved*	Implementation date/milestone	Change Owner(s) *If approved*
CR050	Amendments to the MHHS Change Control Approach and Form	Immy Syms, MHHS Programme	Full Impact Assessment	SRO approval supported by Ofgem	**Approved**	Implemented			
CR051	Deferral of MHSSP-037	Tom Paterson, Elexon	Full Impact Assessment	Recommended for approval by Change Board	**Open**	Awaiting PSG approval			
CR052	Amending the 'M7 SCR powers enabled' Milestone	Andy MacFaul, Ofgem	Full Impact Assessment	Recommended for approval by Change Board	**Open**	Awaiting PSG approval			
CR053	ISD Publication Frequency Change	Ian Smith, MHHS Programme	Full Impact Assessment	Recommended for approval by Change Board	**Open**	Awaiting PSG approval			
CR054	Change to Non-Functional Requirements for LDSOs	David Yeoman, UKPN	Full Impact Assessment	Validated by Change Board for Impact Assessment	**Open**	Impact Assessment			

This slide captures Change Requests raised in the last three months. A full record of all MHHS Change Requests can be found on the Change Control page of the Collaboration Base

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SIT – MVC Status (as of 26-Jun-24)

			Ready	Expected to be ready	Expected to be ready if risk mitigation is successful	Unlikely to be ready

SIT Participants Constituency	Number of PPs confirmed for SIT (FTIG attendees)	Market Roles	Number of Market Roles required for SIT MVC	Number of Market Roles confirmed for SIT	Names of Participants (RAG – Green = confirmed, Black = TBC)
Supplier / Independent Agent	17	Advanced Data Services	2	9	Callisto, Energy Assets ,IMServ, Itron, Kraken Data Services, npower Business Solutions, SMS, Stark, TMA
		Smart Data Services	2	6	Callisto, IMServ, Kraken Data Services, SMS, Stark, TMA
		Metering Services Advanced	2	11	British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, npower Business Solutions, Octopus Energy Services, SMS, Stark, Utilita
		Metering Services Smart	2	11	British Gas, Callisto, EdF, Energy Assets, E.ON UK Energy Solutions, IMServ, Octopus Energy Services, OVO, SMS, Stark, Utilita
		UMSDS	2	2	Power Data Associates, Tym Huckin Ltd
		HHDC	1	1	Callisto
		HHMOp	1	2	Callisto, npower Business Solutions
		NHHDC	1	1	Callisto
		NHHMOp	1	2	Callisto, E.ON UK Energy Solutions
Large, Medium, Small, I&C Supplier	8	Suppliers	2	8	British Gas, E, Edgware, E.ON Next, Octopus, Rebel Energy, Unify Energy, Utilita
DNO, iDNO, LDSO	2	Network Operations	1	2	BUUK, SSEN
		UMSO	1	2	BUUK, SSEN
Managed Service Providers	8		n/a	n/a	C&C, ENSEK, ESG, Kraken, SeaGlass, Utiliteam, Wheatley
National Grid (ESO)	1		1	1	National Grid (ESO)

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SIT Stage Statuses (30-Jul-24)

Test Stage	RAG	Comment
CIT	🟦	SITAG approved the CIT completion report 11-Mar-24
Functional	🟧	Sprint 3 throughput is proceeding on a linear basis, rather than seeing a planned uptick (the 'hockey stick') Reprioritised Sprint 4 and are focusing on high-priority tests Bilaterals scheduled this week
Migration	🟧	SIT Migration is in progress across all cohorts (including known late entry for Cohort C) Throughput is significantly lower than modeled, pass rate is in line with forecast Bi-laterals identified that Participants had underestimated the MPAN requirements for the 'Settling Normally' test case – these have been clarified for Participants and more clearly sign-posted in a new version of the Test Case
Non-Functional	🟧	Needs urgent attention from participants to close down outstanding PIT activities Test execution commences: 02-Sep-24 Test Approach and Data (plus associated Test Data): Test Data Approach and Plan Approved May SITAG, Test Approach and Plan, removed from May SITAG Agenda. Document approved at ESITAG 26th July. Test Scenarios & Test Cases: Theme 1 – Approved at ESITAG 25-Jul Theme 2 – Approved July SITAG 17-Jul Theme 3 – Deferred to August SITAG
Operational	🟩	Test execution commences: 07-Oct-24 Test Approach and Data (plus associated Test Data): Approved at 15-May SITAG Test Scenarios & Test Cases: Delivery plans approved at April SITAG, first workshop held Theme 1 – Deferred to August SITAG Theme 2 – Approved July SITAG 17-Jul Theme 3 – Deferred to September SITAG

SIT Stage Readiness Key – Outlook to reach and progress through each Stage

On track per programme plan	Expected to meet programme plan if risk mitigation is successful	Unlikely to comply with programme plan

MHHS PROGRAMME
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MHHS - Monthly Delivery Report (Helix)

Report Date: 26-7-24

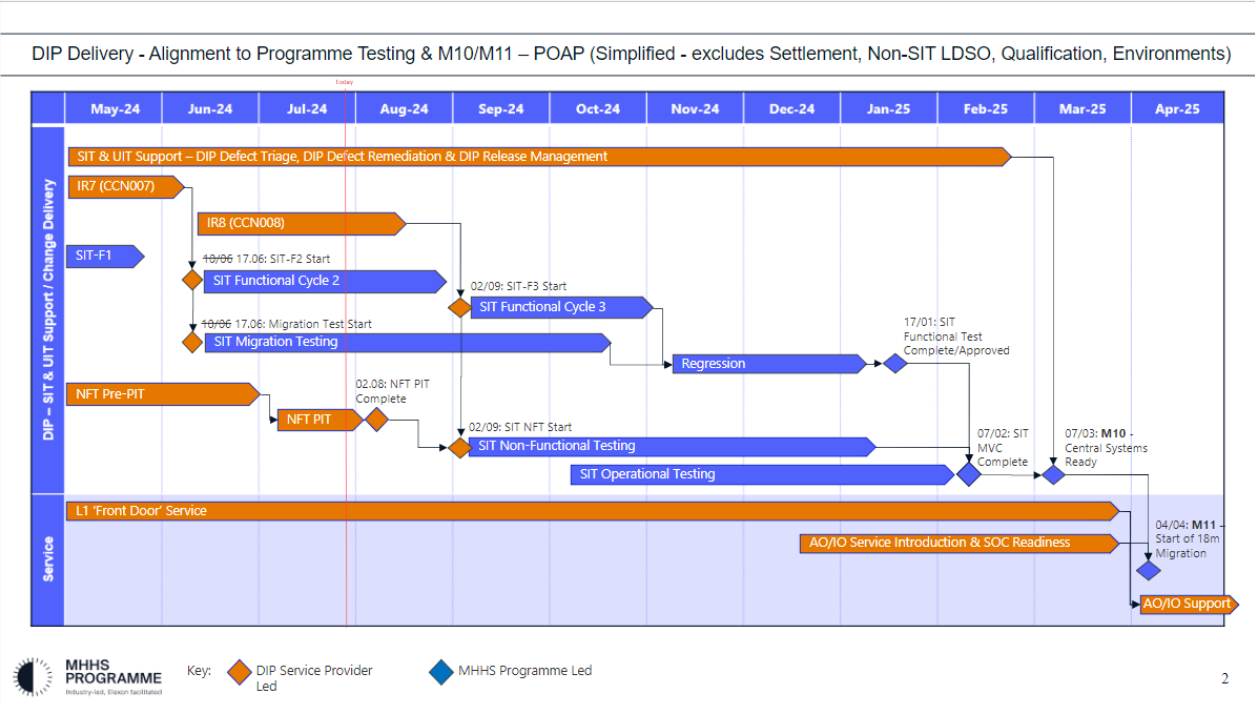| RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

Helix Solution
- Supported MHHS Programme with Helix defect resolution through SIT Cycle 2.
- Completed IR8 build related capability.

Business Readiness
- Finalised the business operating model and organisation chart for M10.
- Updated planning across all elements of Service Design and Transition.
- Developed and shared the Operating Model and Delivery plan for Service Transition and Service Activation for SIT Operational.
- Completed first drafts of Low-Level Service Designs and published the Service Design document.

Assurance and Qualification
- Advised participants of Qualification Wave allocation.
- Non-functional and operational updates to Qualification Approach and Plan and Qualification Assessment Document issued for Industry consultation.

Progress expected in the coming month:

Helix Solution
- Continue to support SIT Cycle 2 including SIT Settlement.
- Progress PI11 (final build increment of Helix systems).

Business Readiness
- Provide proposed service test list for SIT Operational phase.
- Execute PIT for SIT Operational phase.
- Respond to and accommodate comments on Low-Level Service Designs.
- Provide proposed outline shape for Elexon Early Life Support and Migration Operating model.

Assurance and Qualification
- Approval of the Qualification Approach and Plan and Qualification Assessment Document.
- Review of placing reliance implications on participant Qualification testing scope.

Party Milestones & Deliverables	Plan Date	RAG
Confirmation of participant Qualification Wave allocation	28/06/24	Complete
Resolution of SVG concerns for Service Activation	30/06/24	Complete
IR8 Build development complete	16/07/24	Complete
Publish Service Definition document	18/07/24	Complete
Agree Source Data changes with MHHS for SIT Cycle 3	26/07/24	Complete
LLSDs first draft complete	29/07/24	Complete
Start execution of PIT for SIT Operational	25/08/24	
PAB Approval of Qualification Approach and Plan	29/08/24	
PAB Approval of Qualification Assessment Document	29/08/24	
Definition of Shared Early Life Support and Migration workstream	31/08/24	
Initial review of Low-Level Service Designs	31/08/24	

RAID and RAG	Type	Mitigating or resolving action required	Next Update
If further changes impact on the scope of Helix, they may impact on SIT progress and will drive further cost into the programme.	Risk	Helix has a materially complete code base with due consideration given to avoidance of refactoring of this code base within future change requests. Reduced the severity of this risk due to the change freeze being introduced by MHHSP.	Ongoing
If participants do not understand the low-level tests within SIT Operational, and their interaction with the DIP, the SIT Operational phase will not process as desired.	Risk	Elexon proposed to draft its view of all the tests required and to augment existing Avenade resource to provide greater bandwidth to DIP Service Design.	31/08/24
Re-phasing of SIT to place Theme 8 settlement later in the plan increases the risk of overall date slippage by increasing the strain of later phases.	Risk	Helix will have to perform additional development to absorb additional costs. Any slippage to SIT dates would impact on the Assurance and Qualification workstream. Helix will work closely with MHHS to monitor SIT settlement progress and understand any proposed impacts as it progresses.	31/08/24
There is a risk that DIP onboarding, Qualification, and Migration do not proceed to plan without additional management support to drive the queuing and progress of all Non-SIT participants.	Risk	Helix and MHHSP team are working together to develop shared plans to manage this phase of work. The Helix team are currently onboarding additional resource to support DIP Onboarding and Migration planning. Helix have also hired operational reporting resources.	31/08/24

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Helix - POAP

HELIX **MHHSP**

	2024				2025				2026
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1

Solution Build

MHHSP Interim Design Releases
- IR7
- IR8

Helix Services Development PIs
- PI9
- PI10
- PI11

MHHS Programme Test Phases
- SIT Functional 1
- Functional 2
- Function 3
- Regression Test
- Migration Test

Existing System Changes & Operator Portal
- Design
- Build
- Test

Business Readiness

Service Model Transition
- Design
- Implement
- Non-Functional Test
- SIT Operational Testing

End to End Testing
- Strategy & Planning
- Helix End to End Test Execution
- M10 Go-Live

Operational (Business) Transition
- As-Is Scoping
- To-Be Definition
- Plan
- Train and Implement
- Hypercare / Migration Support
- MHHSP Migration Phase

Assurance & Qual-

PAF Techniques
- Code Drafting
- Audit Paper Update 1
- Audit Paper Update 2
- Enhanced Audit

Qualification Assurance
- Qualification Assurance Prep
- SIT Qualification Assurance
- Non-SIT LDSO Qualification Assurance
- Non-SIT LDSO QT
- Qualification Waves Assurance

Qualification Testing
- Qualification Testing Prep
- Qualification Testing Waves 1-4

MHHSP Milestones

MHHSP Level 1 Milestones

| M6 Code Change & detailed design recommendations | M7 Smart Meters Act enabled | M10 Central Systems ready to Migrate MPANs | M11 / M12 Start of 18-month migration | M14 Suppliers must accept MPANs under new TOM |

- M8 Code Changes Delivered
- M13 Load Shaping Service switched on

MHHS
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MHHS - Monthly Delivery Report (DIP)

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- Continued Defect triage, remediation and query support for SIT Functional Test Cycle 2, Migration Testing and settlement testing
- Infrastructure deployment is complete and preparations for UIT environment delivery is progressing

- SIT Support & Change Backlog
  - Releases into SIT to fix issues identified in Smoke Testing/ SIT Cycle 2
  - Attended DIP-DAG meetings to review change backlog
  - Completed work on the split of IF Service into three services - (Linked to the outcome of Performance Testing)
  - Implementation of IF-specific code-based schema validation (Linked to the outcome of Performance Testing)
  - API/Services versioning - Multi Version Support
  - Extend Cache service to use IsUpdateChannel and Publication Id Property
  - Completed Test Preparation for MPAN1.3, M16/45; refining smoke test pack for Portal

Progress expected in the coming month:

- Complete deployment of IR8.1 code into SIT environment to align with Programme's Functional SIT Cycle 3 timeline
- Continue to work on bug triage and fixing for SIT support, as needed
- Hand-over of UIT environment and onboarding support

- SIT Support & Change Backlog
  - Releases into SIT (weekly/per need) to address open defects from SIT
  - Complete development of any pending scope items related to IR8.1
  - Perform Non-Functional Test against baselined Performance metrics and environment
  - Commence PIT Cycles of testing against IR8.1 code base and wrap up all planned execution by 23.08
  - Prepare DIP-D37 PIT Test Completion Report and DIP-D39 PIT Defect Work Off plan for IR8.1
  - Analyze the change backlog to identify programme dependent items for finalizing next steps

Party Milestones & Deliverables	Original Date	Forecast date & RAG
DIP 4d (IR8.1) – Final build	23/08/24	23/08/24
Functional SIT - Cycle 3	*02/09/24*	*02/09/24*
DIP 5 – Migration / Transition	20/09/24	21/02/25
DIP 6 – Hypercare	20/09/24	21/03/25

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

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Functional SIT Progress – Extent of Testing (slower than expected), Identification of Defects (later test cycles), Expectations on Triage and Remediation (more frequent or 'urgent' releases)	SIT Functional acceptance criteria have been published by the programme. Formal review expected end of SITF Cycle 2 Sprint 2 (12.07) Update from FTIG 19.07 is that more data is needed on progress to assess plan changes. Mitigation remains approval for additional capacity for SIT & UIT Support.	02/08/2024	Smitha Pichrikat (Paul Daniels)
Non-Functional Testing - Invalid or Unstated Assumptions & Dependencies	Further workshop held with LDP 10.07. Discussions continuing to finalize the approach for NFT LDP has provided further documentation for review	09/08/2024	Smitha Pichrikat (Paul Daniels)
DIP – Solution Complexity & Change in 'Run' – Additional Effort/Cost to support solution	Review original assessment of Support effort (based on Development Effort) Discussed in risk review with client on 1st May	23/08/2024	Smitha Pichrikat (Paul Daniels)

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
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DIP Delivery - Alignment to Programme Testing & M10/M11 – POAP (Simplified - excludes Settlement, Non-SIT LDSO, Qualification, Environments)

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress this Month:

- Continued UAT testing of sprints 5, 6, 7 and 8 MPRS code
- Completed Migration PIT for CoS and submitted Migration PIT Completion report
- Completed preparation for Reverse Migration PIT
- Started test execution for Reverse Migration PIT
- Completed SIT Functional execution of Cycle 2 Sprints 1 & 2
- Started SIT Functional Cycle 2 – Sprint 3
- Continued executing Migration SIT
- Continued support for the Settlements SIT environment
- Preparation for Cycle 3 PIT started
- Released code for 2 data cleanse activities post testing.

Progress expected in the coming month:

- Support and complete Functional SIT execution Cycle 2
- Support and complete Migration SIT execution Cycle 2
- Support Settlements SIT
- Continue UAT testing of sprints 5, 6, 7 and 8 MPRS code
- Complete Migration PIT test execution for Reverse Migration
- Start test preparation for PIT for SIT Cycle 3
- Continue testing of Data Cleansing PIRs
- Complete support of the Settlement testing environment (16/08)

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
MPRS ready for Migration SIT – CoS	08-07-24	08-07-24
MPRS ready for Migration SIT – Reverse	29-07-24	29-07-24
SIT Cycle 2 Completed SIT F and Migration	16-08-24	16-08-24
SIT Cycle 3 Completed SIT F and Migration	18-10-24	18-10-24

| Risk or Issue & RAG	Mitigating or resolving action required	Target Date	Action owner
STCI11 – ISSUE - Overrun of Programme activities (i.e CIT interval 2 testing and data aug loads) impacting subsequent test phases	The augmented data loads took longer than planned requiring significant resource commitment. Risk STCR63 materialised and the start of SIT cycles were delayed by a week, the end dates for both have remained unchanged, placing further pressure on subsequent test phases. The programme has not addressed the time lost, 'borrowed' from future test phases (UAT/CIT interval 6/functional SIT/migration SIT). Whilst Parties are looking at how they can accommodate such increasing Programme demands, the Programme must consider the parties having to commit significantly more time than planned and its impact on future programme milestones. DNOs have funded an increase in the size of the MPRS test team, quadrupling the size of the test team since the plan was baselined (CR022).	Q3 2024	Programme
STCI13 – ISSUE – The new Test approach of splitting the remaining tests for Cycle 2 & 3 for both SIT F and Migration into a Sprint approach has resulted in unclear reporting. It is not easy to identify the current testing status.	NEW - The latest MHHSP Planned Execution Model from the programme gives the total number of test cases as 285 for SIT Functional. These 285 tests have been broken down and allocated numbers of points, depending on difficulty. The total number of points for the 285 tests is 11180. St Clements have asked the Programme for a way to report on where we are with the total numbers and have asked the programme to help us compile a report showing numbers passed, failed, executed, not started, in progress or blocked. We have asked for a weekly report showing numbers for either points or test cases. The current Programme daily report or the ADO system does not currently provide this.	30/07/2024	Programme
STCR45 – RISK – There is a risk that the SIT Functional testing requirements from the programme on St Clements are greater than anticipated.	NEW - This could lead to insufficient resource availability to support SIT Functional testing.	31/07/2024	Programme
STCR64 – RISK - Capacity to support volume of carried over tests from SIT cycle 1 in cycles 2 and 3 may surpass capacity available	Update – Sprint 1 completed, but the remaining tests were rolled over to Sprint 2. Sprint 2 did the same, so currently the volume of each sprint is increasing significantly. It is not possible to gauge where we are with SIT overall currently due to the issue (STCI13) highlighted above. We need to consider ongoing resource capacity requirements to support these carried over tests. Further time has been lost due to the augmented data loads being given insufficient time to complete (Risk STCR63 above). This has impacted the start of the next SIT Cycles by 6 working days, with the end date remaining the same. Programme has identified improvements. The first weeks of the next SIT cycles will show how effective these improvements are. The MPRS team has made several suggestions to reduce testing effort improving throughput that would provide the headroom to allow for an increase in volume of testing. Additionally, support is needed from the programme to reduce enquiries from PPs directed at St Clements, providing further headroom.	31/07/2024	Programme
STCR14 – RISK - BAU issues divert resource from MHHS programme (such as FS changes)	Faster Switching issues diverting resource from MHHS activities to resolving BAU issues. Forced to tolerate and manage. The Programme to recognise that BAU may be higher priority than MHHS	Ongoing	St Clements
Assumptions			
MPRS high level plan broadly remains the same following detailed IA	Detailed IAs for later sprints (including migration) to be completed	To last sprint	SCS
Scope of MPRS development does not extend	Scope change (eg data cut/data cleanse/CRs) to impact milestones. Consider delaying when functionality is required for testing	Ongoing	Programme
Governance/assurance does not impact MPRS delivery activities	Light touch and targeted approach	Ongoing	Programme

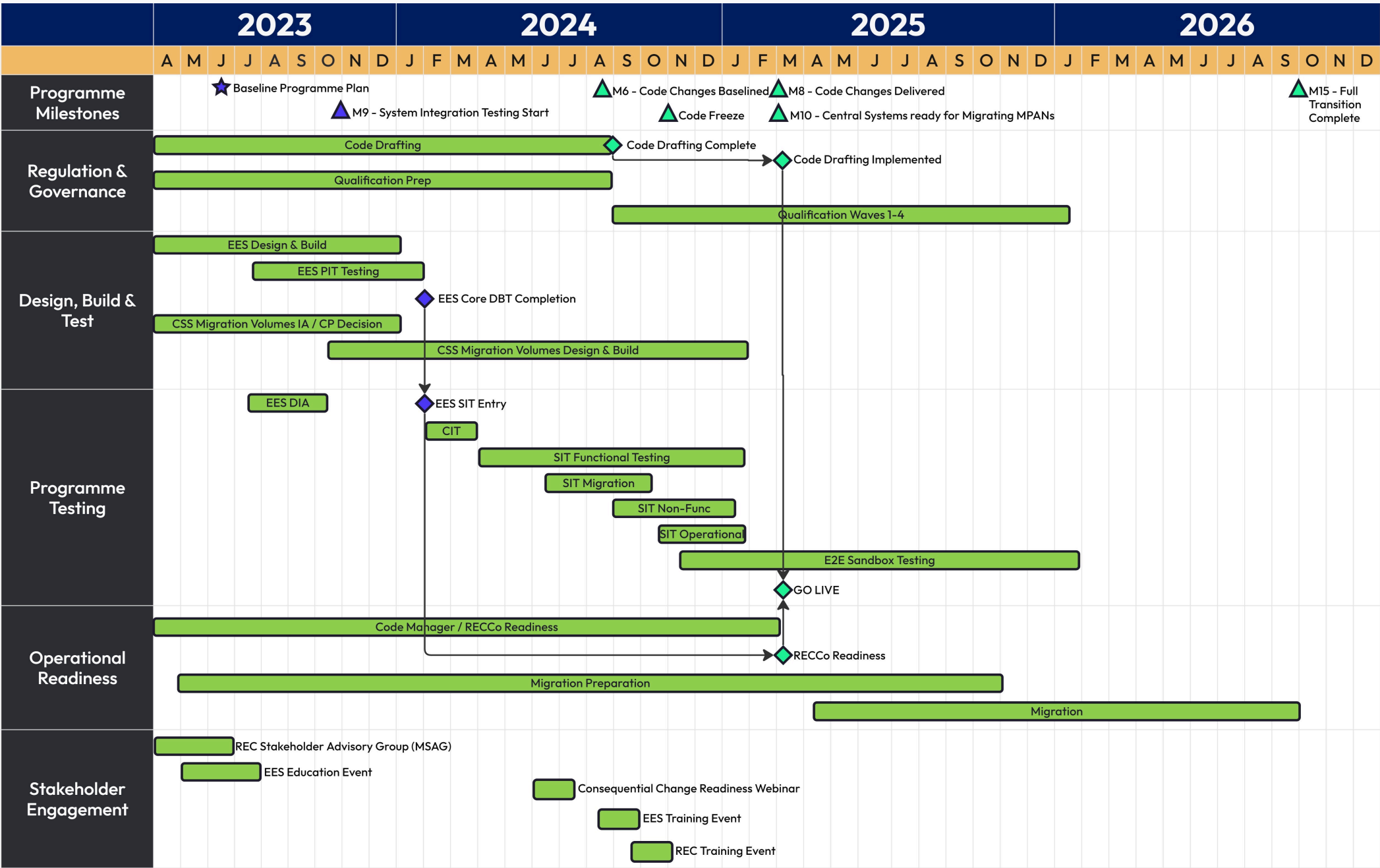# MHHS - Monthly Delivery Report (RECCo)

Report Date: 21-06-24

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

- EES functionality being tested through SIT Functional Cycle 2, SIT Migration and SIT Settlement .
- M6 Code Drafting consultation closed 12 July and responses triaged. Escalation of Programme Risk R0920 covering issue with alignment between Swagger and DES138 leading to differences between programme design and code drafting.
- Non-SIT Supplier and Agent Wave allocations notified to parties on 24 June.
- REC Qualification Assessment Criteria updated to cover Operational requirements and approved by REC PAB.
- QA&P v2.1 and QAD v1.2 issued for consultation, with responses due 19 July.

Progress expected in the coming month:

- EES to continue to progress through SIT Functional Cycle 2, SIT Migration and SIT Functional Settlement Testing.
- Update REC Code Drafting for M6 CCAG approval in Aug. Engage with Programme, IPA and Ofgem on escalation of risk between DES138 (used for Code Drafting) and Swagger and dependency for M6.
- Fortnightly planning sessions continue with Ofgem and Programme to agree SCR approach for M7 and M8.
- Update QA&P and QAD post consultation for Aug approval.
- Continue to follow up with non-SIT Suppliers and Agents that have not submitted a PQS.

Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
Qualification Approach & Plan v3 approved and published	30/08/2024	30/08/2024
MEM/Supplier/DNO Assessment Criteria Updated	28/06/2024	28/06/2024
Code Drafting Complete	23/08/2024	23/08/2024
Qualification Assessment Document v2 approved and published	30/08/2024	30/08/2024

Decisions required	From whom?	By when?
None		

Risk or Issue & RAG	Mitigating or resolving action required	Date for action to be resolved	Action owner
Key operational processes required for MHHS will not be sufficiently developed, documented and tested ahead of MHHS go-live. Including roles and interactions between BSC/DIP, REC and Switching service desks, incident management, error resolution, trade sales, SoLR, etc.	Requirement for clear design documentation and milestones to be tracked under programme governance (e.g. TORWG). Operational testing to include sufficient scope to test key processes and interactions. Consideration of war game/run through separate to SIT to ensure operational readiness.	21/08/2024 (SIT Operational Test Scenarios approved)	Jonny Moore
R0920 - Swagger may not be aligned to approved design artefact (DES138) which is used for Code drafting. Lack of alignment means M6 criteria not met and could also lead to qualification delays and live operational issues.	Programme has proposed taking no action to address this risk/issue. Active escalation with the programme and IPA to address. RED as risk not mitigated ahead of M6 (approve Code Drafting).	12/06/24 (linked to IR8.1 release)	Andrew Wallace

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Programme SIT Artefacts for provision of equivalent Qualification documents and confirming if Code Bodies need to undertake any additional qualification activity for SIT parties.	SIT Non-Functional Approach and Plan approval delayed and potential delay to SIT NF Test Scenarios/Cases. As a consequence, RECCo and Elexon have re-baselined QA&Pv3 plan.	Ongoing	Andrew Wallace
RECCo need to develop tie-ins with enduring BSC service management as part of operational readiness, including roles, responsibilities and hand-offs for incident management, error resolution and operational processes (trade sales / SoLR / etc.)	Agreement required on service management design deliverables and agreed scope of testing / operational readiness run-through. Service design has now delayed the production of the Operational Test Cases.	21/08/2024 (SIT Operational Test Scenarios approved)	Jonny Moore
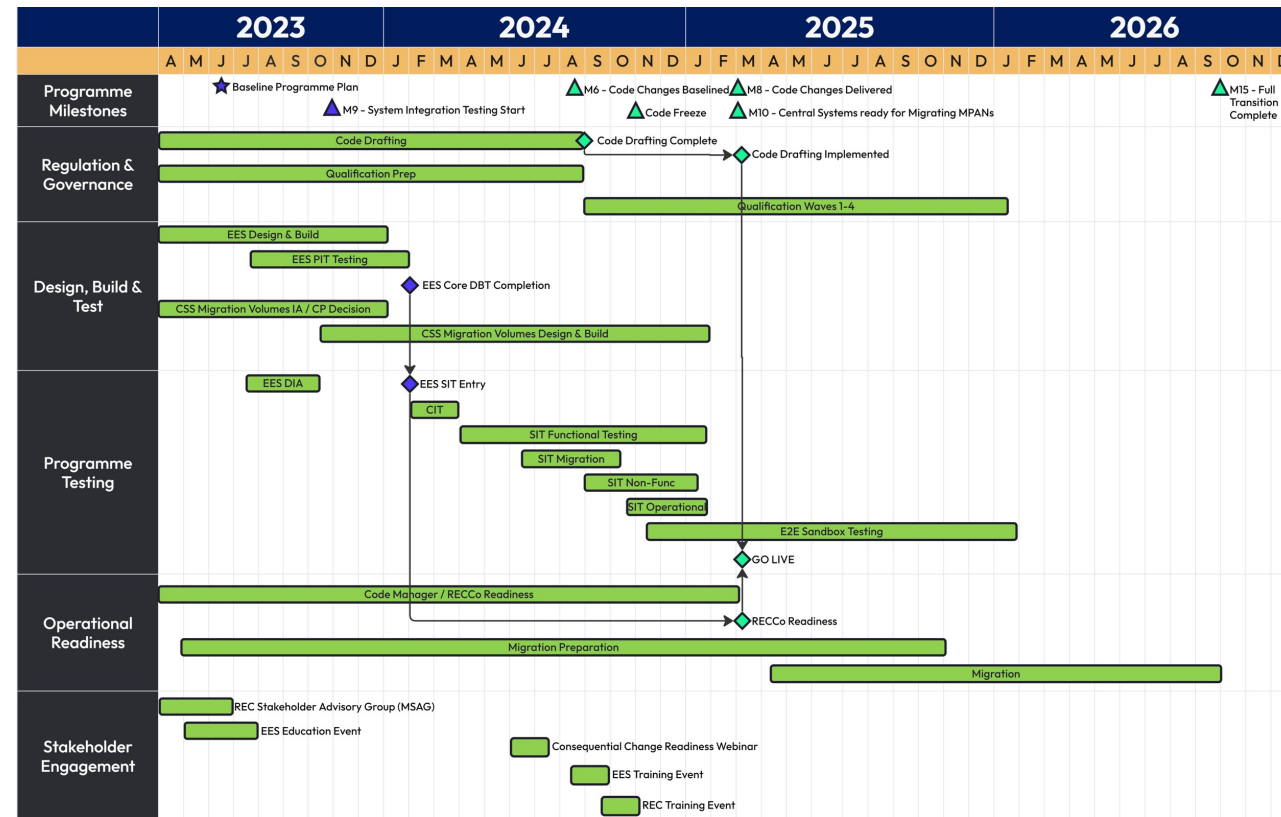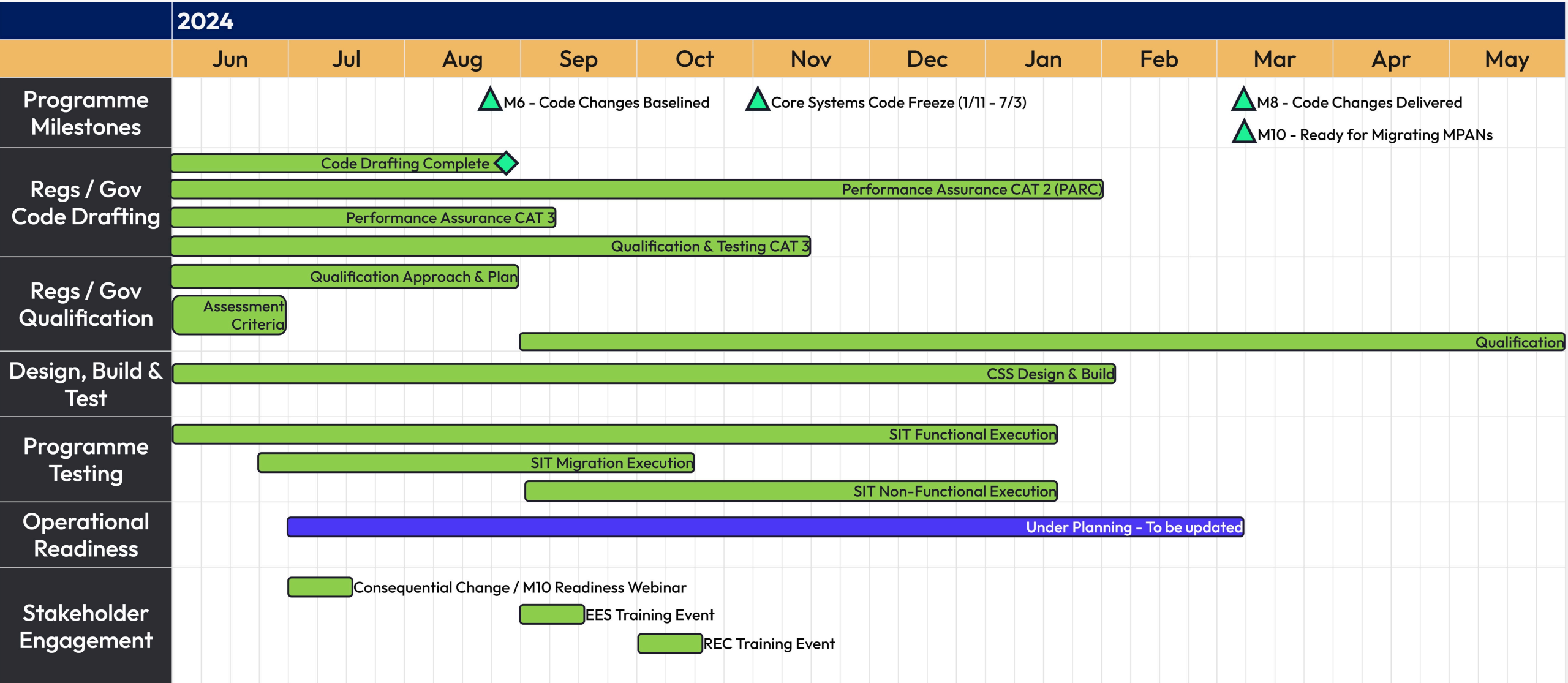
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RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status & Outlook

Progress last month:

REC

- R0044 R0044 Production deployment complete.
- R0093 (Legal text now deployed) – Capacity uplift/Performance requirements being finalized.
- REC CSS Capacity further costs shared with RECCo
- SEC - MP162 Production deployment complete

Capacity

- MHHS Capacity uplift commercial negotiations are in progress to ensure value for money capability is provided.

New Requirements

- DCC SIT Functional Testing Support aligned & supporting Cycle 2 Sprint & Evidence Approach
- Assessment & support for additional MHHSP Test Data request
- Agreement of scope & timing of follow-up PPIR on MDR usage & Capacity requirements (September)
- Approach towards mitigation of the Migration Thresholds breach risk remains under review with Migration Delivery team. DCC Legal and Regulatory teams providing information in the current SEC & REC which can be leveraged to mitigate. DCC plans to run performance testing to understand if there is a risk associated with CSS and the max 300K MPANs to be migrated.

Progress expected in the coming month:

- Capacity – Commercials concluded and delivery timeline confirmed.
- REC CSS Capacity costs has been validated with RECCo.
- Held Bilateral meeting with Elexon on Service Design.
- Continued SIT Functional Testing Support.
- Confirm date of when provision of additional test data is required.

Party Milestones & Deliverables	Original or ~~Baseline~~ Date	Forecast date & RAG
Ofgem approval	25-10-22	28-11-22
MHHS SIT Start	11-03-24	11-03-24
MP162 Go-LIVE	27-06-24	27-06-24
R0044	27-06-24	27-06-24
Capacity Uplift	June 24 / Apr 25	June 24 / Apr 25
R0093	2025	April 2025

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

Top Risks and or Issues (See detail on page 2)

Migration Threshold Breach Risk – As a result of there being no system controls to limit volumes, there is a risk that more than the agreed 300k MPAN's are sent across for migration on any day, resulting in service degradation on CSS.

Mitigation: DCC will work with Elexon Migration Delivery on the means to mitigate the likelihood of this occurring, and the actions to be taken in the event of an occurrence.

Assumption & RAG	Action required to remove assumption	Date for action to be resolved	Action Owner
No New Assumptions			

Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
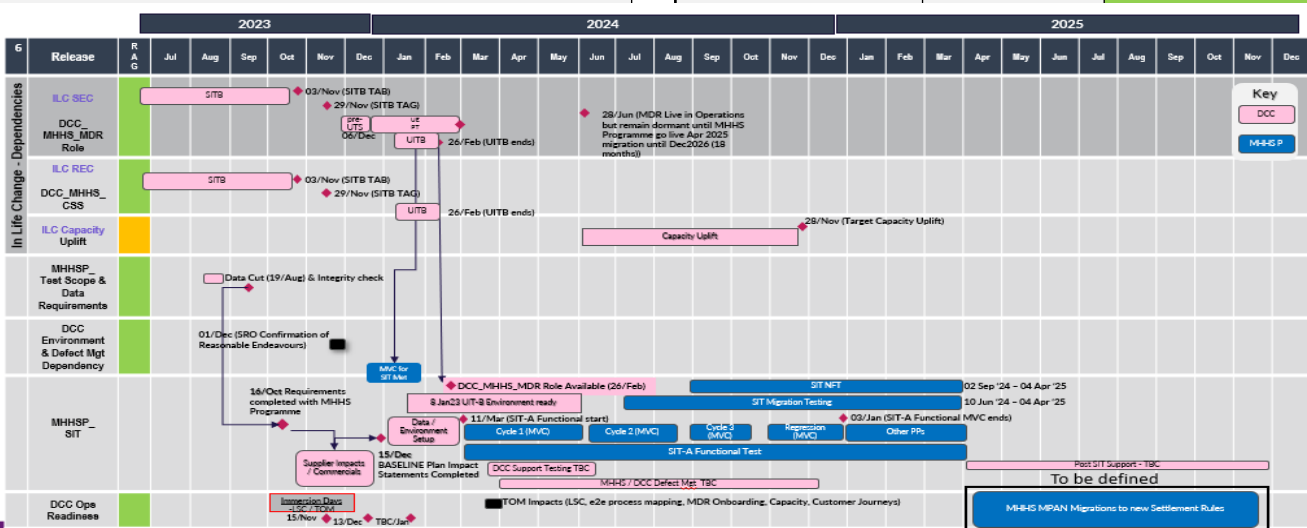
RAID & RAG

Ref.	Risk	Calculated Risk	Mitigation / Update	Owner	Area
1	Risk to CSS performance if daily migration volumes exceed the 300k peak-of-peaks, for which there is no system-based control to prevent	High	DCC working with Elexon Migration Delivery to identify the means to mitigate the likelihood of this occurring, and the actions to be taken in the event of an occurrence. DCC Legal & Regulations feeding into review of available controls under existing regulations.	DCC/MHHS Programme	Migrations / Capacity
2	The current peak-of-peak migration thresholds defined in the Migration Thresholds document assume a peak-of-peak of 300K CoAs per day above "business as usual" (BAU) volumes. BAU volumes today may not reflect BAU volumes between April 2025 and October 2026 as we can anticipate MHHS to stimulate higher levels of switching as Suppliers offer new MHHS products and services.	Medium	CSS and DSP should be sized for a peak-of-peak CoA volume of 300K plus 291K (the original CSS peak-of-peak volume) to allow for growth in switching rates. Costs for CSS Uplift identified & CR submitted to RECCo for review. DSP confirmed volumes can be met with current build	DCC	Migrations / Capacity
3	The changes required in CSS and/or DSP to achieve a peak-of-peak CoA volume of 591K may not be cost effective and/or technically feasible.	Medium	Include performance testing within the PRs raised with CGI and Landmark & Netcompany to confirm compliance with these volumes and make DCC commitment to associated SLAs contingent on successful completion of this testing.	DCC	Migrations / Capacity
4	Any changes which materially impact the Capacity Assumptions that form the basis of DCC's MHHS Capacity increases may not be able to be met, due to the time required to deliver capacity increases	Medium	A formal letter has been sent to Ofgem on June 18th detailing the assumptions on which DCC has built the capacity which will be available at MHHS implementation. Planning for September follow-up PPIR & communication to Ofgem of results.	DCC/MHHS Programme	Capacity

MHHS PROGRAMME
Industry-led, Elexon facilitated

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

Status Update	**ElectraLink updates for June PSG:** • Supporting MHHS participants in setting up test routes and DTN gateways using the DTS to support their SIT A and SIT B testing. • Continued collaboration with MHHS Programme and teams engaged via participating in working groups such as SITWG, FITG, S&T, DAG, DWG and fortnightly sessions with the programme and Webinars.	**Milestones and Deliverables:** • None

Decisions required	From whom?	By when?

RAID	Mitigating or resolving action required	Date for action to be resolved	Action owner

Dependencies	Managing action required	Date for action to be resolved	Action Owner
Updated DTC Catalogue 4-6 weeks in advance of release date to ensure we can update it prior to MHHS requirement	Communication with MHHS & REC ongoing, CCN process to ensure release is managed effectively and on time	-	**MHHS/ElectraLink/REC**

MHHS PROGRAMME
Industry-led, Elexon facilitated

Document Classification: Public

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers

DNOs Status & Outlook

Progress since last month

SIT Participant
- Commenced SIT Functional Cycle 2 (Sprint 3), SIT Migration and Settlements testing in SITA & SITB environments.
- Obtained some further clarification re PIT & SIT Non-Functional requirements, including tooling.
- Continued Measurement class C and E connection type data cleanse.

Non-SIT
- Detailed design, build and test (DBT) of DNO systems.
- Undertaking Qualification Testing activities (based on CR047).
- Continuing MPRS and Oracle 19c upgrade activities (required for MPRS Release 9).
- Continue data cleanse and back population
- NFR working group session on 19 June for SIT and Qualification ahead of submission of Pre-Integration Testing (PIT) Approach & Plan non-functional and operational requirements. New CR drafted on behalf of all LDSOs.
- Responded to CR045: Supply Start Date (SSD) Correction Tool, PPIRs: Elexon DTN File, Program Costs, Validation of Service Provider (COS) and the BSC Consultation re DIP Governance (P474).

Expected key activities next month

SIT Participant
- Complete FSIT Cycle 2, SIT Settlements & SIT Migration testing ahead of planned maintenance window between 16/08/24 & 02/09/24.
- Complete Measurement Class C&E connection type cleanse.
- Complete ESME ID & Meter Location data cleanse activities.
- Deploy DURABILL 6x Phase 2 release to SITA to support completion of REP-900 testing.
- Provision & load of augmented MPRS test data to support SIT NFT (10k MPAN's expected).

Non-SIT
- Continuing detailed DBT of impacted DNO systems.
- PIT Environment readiness activities.
- Continuing Qualification Testing activities (based on CR047).
- Continuing MPRS and Oracle 19c upgrade activities (required for MPRS Release 9).
- Continue data cleanse and back population activities.
- Working with Programme to agree CR for LDSO NFRs.
- Respond to Self-Declaration on Data Cleanse Population.
- Respond to Ofgem PPIR: Validation of Service Provider CoS Appointment' prior to formal Change Request.
- Respond to QAD related consultations.
- Respond to Non-SIT LDSO Test Cases & Scenarios.
- Awaiting feedback/ actions from Code Bodies re DIP Governance consultation (P474) re ISO27001 clarity.
- Service Management reviews
- Review impact of current SIT progress on overall Programme delivery and potential impact on DNO planned activities.

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
DNO System Integration Testing (SIT) Participants			
PIT for SIT Non Functional	Requirements provision has been poor. SSEN has advised Programme that it will aim to complete PIT for SIT NFT by 20/12/2024.	20/12/2024	M10
SIT FSIT Cycle 2 & SIT Migration	Sprint 3 underway. Overall progress on SIT testing has been slow, due to data issues, participant readiness, etc.	16/08/2024	M10
SIT Settlements Testing	Problems persist with quality of ISD data which has blocked testing of REP-002a, REP-002b, & REP-901. Defects raised and updated ISD expected from Elexon on 29/07/24.	29/07/2024	M10
Non-SIT LDSO Qualification Testing			
PIT Completion (excluding MPRS) Environment readiness	Data cuts taken 8 June (back ups to be taken) Some outstanding configuration activities re environments to be completed butt currently on track.	30/8/24	PIT completion (Excl. MPRS)
PIT Completion – MPRS	Data cuts completed 8/6. Back-ups on track.	30/9/24	PIT completion (MPRS)
Submission of Final Functional and Migration PIT test completion report – Programme Milestone submission	In Progress	30/08	T3-QU-0076
Submission of Final Non-Functional and Operational PIT test completion report – Programme Milestone submission	In Progress	30/09	T3-QU-0076

Escalations

Escalations / Priority Actions	To Whom	Required Resolution Date	Owner
- PIT for SIT Non-Functional. SSEN aims to complete by 20/12/2024, not ahead of start of SIT NFT. - SSEN will be executing SIT NFT test data load for MPRS, in conjunction with Programme Data Team. This has previously proven problematic for St Clements & proposed test data volume is higher than in previous load attempts. Programme is aiming to complete MPRS load ahead of advising other parties to load data for SIT NFT. - BSC PPIR – ISO27000 – guidance and rules – require clarity from Elexon & program - Qualification – NFT – Change Requests urgent approval required to remove UMSO & Network Ops from scope & descope gas industry figures (Programme Action May QWG) - Ofgem – Lack of published Reporting requirements - Data Cleanse – Assurance on MEM & ESME ID files based on inaccuracy and lessons learnt to meet program timelines - Qualification – Timely feedback from program on PIT Test & RTTM Plans & QT Test Approach, RTTM & Placing Reliance	MHHS Programme SI Qualification – Jason Brogden Settlements – PSG	ASAP	MHHS Programme

Risks, Issues & Dependencies

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)	Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
Development of volume data load injection tool for PIT for NFT.	**Mitigation:** Escalated concerns to Jason Brogden & Simon Berry. Awaiting response from Cesar Lopez re re-use of Programme FSIT data tooling. Richard & Cesar have been supportive & provided copies of scripts etc. **Impact:** SSEN proposing to complete PIT for SIT NFT by 20/12/2024..	**Programme SI**	Non-SIT LDSO Qualification Testing Exit	ASSUMPTION: FSIT Cycle 2 will complete on time with an acceptable pass rate & commence FSIT Cycle 3.	All Cohorts & Central Parties	Summary:P1 fixes being given as the focus to be executed & passed. Testing will complete within reduced window for Cycle 2. Key actions: Cohorts to prioritize P1 defects/test cases.	Programme SI	
Load of SIT NFT data to MPRS (10k MPANs)	**Mitigation:** Working with Data Team to provide missing MPAN data attributes. Will engage with SCS re advice/guidance on data loading to ensure best practice. **Impact:** SSEN in danger of being put on critical path to start SIT NFT, due to dependency being placed on load of data to MPRS before other parties will be advised to load the same data.	**Programme SI**	Start PIT for NFT	Delivering Oracle 19C upgrade for MPRS Rel. 9	Internal DNO IT partner	Currently running to plan ready for start of PIT and Qualification	Internal to UKPN	Start of PIT

	Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)		Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
Risks, Issues & Dependencies	Scope of NFR Testing is unclear	Unable to prove impacted systems can meet the required NFRs. Risk will be mitigated by the approval of the CR.	**MHHS Programme**	M10		Dependency	Qualification & Code Bodies	Deliver feedback on PIT Plan & Approach NFT & Operational timely within 10-day SLA		M10
	Issues identified during SIT result in delays to Programme milestones.	Ability to place reliance on SIT.	**MHHS Programme**	Qualification/ M10		Dependency	DIP	DIP being able to pass volume messages to DIP Adaptor to allow NFT for Non-SIT LDSO's		M10
	The Reverse Migration Solution is too complex to enable Core Capability Providers to Achieve Testing & M10.	Migration phase is delayed.	**MHHS Programme**	M10		Dependency	Migration	Program reducing the complexity in reverse migration process to enable timelines to be met		M10
	Clarity of scope for Non-SIT LDSO and timelines and data requirements for Qualification testing.	Can not complete testing preparation	**MHHS Programme**	Qualification/ M10		Assumptions	Qualification NFT	Qualification & Code Bodies will provide the detail to Non- SIT LDSO's in relation to testing and placing reliance to enable plans to be built timely		M10
	Data Cleanse activities may take longer than expected timelines. (Moving from Risk to Issue due to evidence of high levels of poor quality Supplier/ MOP data).	Failed migration and/ or extended timelines and/ or poor quality data	**Programme Participants**	M10		Assumptions	Qualification NFT	Change requests for descoping gas volumes & UMSO & Network operations from testing are approved timely		M10
	Availability of core software products MPRS,UMSO etc to support NON-SIT LDSO PIT & Qualification is unclear	Unable to meet PIT/Qualification timelines in mitigation working with suppliers to escalate any issues with program and obtain resolution (as above)	**Programme Participants**	M10						
	Potential impact on DNO budgets dependant on environment, testing requirements and timescales & new change requests	Potential under-recording of DNO cost impacts in the Programme benefits. DNOs will require approval of additional Programme funding	**MHHS Programme/ Participants**	N/A						
	Non-SIT LDSO NFT PIT – Solution to pass messages via DIP to test volume/capacity	Untried solution, could result in missed PIT program timelines for Non-SIT LDSO's as no other solution available within timelines	**MHHS Programme/ Participants**	M10						
	Central systems (data services/load shaping) do not provide 100% coverage of consumption data to LDSO's. DNO's unable to fully recover DUoS charges.	Programme to clarify scope/approach for testing DUoS data in SIT.	**Programme SI**							

RAGs	Overall	Approach	Plan	Resources	Budget	Risk

DNOs Status & Outlook

Progress since last month

SIT Participant
- Reconciled ESME ID Data Extracts.
- Completed LLF ID mapping in order for it to be included in testing.
- Progressed SIT Functional, Migration and Settlement testing.
- Submitted response to Ofgem PPIR on Programme Participant MHHSP implementation and ongoing costs.

Non-SIT Participants.
- SFTP submission.
- Completed Population of ESME ID self-declaration
- Completed Population of Meter Location and Number Displayed Registered Digits self-declaration.
- Non-SIT LDSP PIT Approach & Plan for NFT and Operational testing submitted.
- QT Test Plan & QT RTTM submitted
- RTTM NFT & Operational submissions
- QT Test data cut & Assessment of test data matrix.
- Test readiness report submitted.
- Validation and augmentation of QT data.

Expected key activities next month

SIT Participant
- Progress preparation for user testing activities
- Elicit requirements regarding Annual Consumption Data.
- Complete ESME ID data work.
- Progress Meter Location and Number of Displayed Register Digits data activity.
- Finalise understanding of Non-Functional Testing requirements.
- Preliminary QAD preparation.

Non-SIT Participants
- Conclude activities for population of readiness templates.
- Registration role submission.
- Further review of QAD
- Preparation for further progression of the Data Cleanse Plan.
- Confirm with Programme that test ESME ID and Meter Location files have loaded ok.

DNO Key Deliverables & Activities	Latest Status	Due Date & RAG	Relevant Programme Milestone(s)
IDNO System Integration Testing (SIT) Participants			
SIT Functional	Progressing well, although overall Programme progress slow	01.11.24	M10
SIT Migration	Progressing well, although overall Programme progress slow	18.10.24	M10
Settlement Testing	Progressing well, although overall Programme progress slow		M10
Preparation for SIT Non-Functional	Ontrack but full requirements unclear at this time	02.09.24	M10
Preparation for SIT Operational	On track	07.10.24	M10
Non-SIT LDSO Qualification Testing			
ESME ID update	On track	16.08.24	
LDSO Qualification testing RTTM	On track	02.09.24	
QT Readiness	On track	01.10.24	

Escalations

None

Risks, Issues & Dependencies

Key Risks & Issues	Mitigation, Impacts & Latest Actions	Owner	Relevant Programme Milestone(s)	Key Dependencies & Assumptions	Dependency On	Summary & Key Actions	Stakeholders	Relevant Programme Milestone(s)
SIT NFT requirements unclear	Liaising with Programme	Programme/LDSOs	Non-Functional/Qualification Testing					

Central Party Finances – 24/25

Overarching Costs for MHHS Central Parties FY 24/25

Financial Measure	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Totals (£m)*
	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	£m	
MHHS Budget	2.09	1.88	1.71	1.68	1.66	1.68	1.76	1.61	1.55	1.58	1.55	4.81	**23.58**
MHHS Actual/Forecast	1.84	1.93	1.70	1.79	1.69	1.76	1.72	1.52	1.57	1.66	1.62	4.76	**23.58**
DCC Budget		1.01			4.45			3.35			2.52		**11.33**
DCC Act/Forecast***	0.35	0.25	0.19	1.01	1.64	1.88	1.27	1.35	0.81	1.22	0.96	0.41	**11.34**
Helix Budget	3.40	3.40	3.40	3.40	3.40	3.40	1.80	1.80	1.80	1.80	1.80	1.80	**31.20**
Helix Act/Forecast	2.90	3.20	3.10	3.30	3.00	3.50	2.60	1.80	1.70	1.70	1.60	1.60	**30.0**
RECCo Budget****	0.36	0.38	0.29	0.28	0.31	0.45	0.37	0.18	0.23	0.27	0.28	0.32	**3.74**
RECCo Act/Forecast	0.33	0.34	0.25	0.25	0.28	0.42	0.33	0.14	0.20	0.24	0.25	0.29	**3.32**
Total Budget	6.19	6	5.74	6.84	6.85	7.01	5.05	4.71	4.7	4.49	4.47	7.77	**69.85**
Total Act/Forecast	5.42	5.72	4.99	6.35	6.33	7.56	5.92	4.67	4.28	4.82	4.18	6.77	**68.24**

Please note:
- **Totals – totals are as provided by central parties. Rounding of individual months may result in the sum of individual months differing from the total provided by central parties*
- ***MHHS – includes contingency*
- ****Note from DCC – figures amended from previous month to only reference costs incurred in this financial year*
- *****RECCo – includes only 3rd party costs (does not include internal resources)*
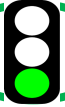
Central Party Finances – Colour Key

Actuals data

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Workstream	Progress	Next steps		
		What	**Owner**	**By When**
Design	Design queries • The volume of outstanding calls continues to increase reflecting engagement from Non-SIT participants • Average response times in for the previous period for closed tickets remains at approx.' 1wd with resolution times at approx.' 1.5wd • IR8.1 successfully published 12-Jun-24 • Support for design ard testing defect triaging remains a focus within the team.	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries	MHHS	Ongoing
Testing	Placing Reliance • SIT Functional – Placing Reliance Proposals, review completed • SIT Migration – Placing Reliance Proposals, review completed (no change, no actions)			
Testing	Testing documentation in progress/published in last month: • SIT Migration Theme 2 & 3 Work Off, achieved 15-May SITAG Approval • SIT Operational Test Approach and Plan, achieved 15-May SITAG Approval • SIT Non-Functional Test Approach and Plan – deferred from May SITAG whilst test tooling assumptions are validated and the approach reviewed	SITAG approval	MHHS	Jun-24
Testing	Test Data • Cycle 2 – Data loaded by all PP's and central parties – bar one PP	Data loaded	MHHS	17-June-24
Sims & Ems	• Completed IR8 and IR8.1 DIP Simulator uplifts as a combined release • Progressed 'MVP' phase of LDSO Test Harness development	Complete 'MVP' phase of LDSO Test Harness development Progress 'Refinement' phase of LDSO Test Harness development	MHHS MHHS	Jul-24 Aug-24
Transition	M10/M11 Cutover Plan has been approved by MCAG	N/A	MHHS	Complete
Transition	Early Life Support Model Development is ongoing – the consultation has been delayed based on the need for further input from the Code Bodies.	Further Discussions to be held with Code Bodies and then updated timelines to be shared.	MHHS	Ongoing
Transition	Monitoring of progress on the Data Cleanse Plan	This activity is ongoing. Some of the population activities are due to take place in August and these processes are being tested throughout July.	MHHS and SIT Participants	Various (see DC plan)

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FTIG meetings

- Recent focus of sessions has been tracking progress on SIT Migration (SIT M) and SIT Functional (SIT F) Cycle 2 including Settlement Testing, and improvement actions
- Recent key topics:
  - o Test progress (vs. agreed targets) and blockers
  - o Agreement to MVC and its implementation for Sprint 4
  - o Improvement actions from Sprint 2 and Data retrospectives
- Continued good engagement from CCPs and PPs
- Open & transparent discussion on the above topics both in FTIG and in associated bilaterals
- Running weekly as requested by participants

MHHS Programme	Octopus
IPA	Octopus Energy Services (metering services)
Avanade (DIP)	OVO (metering services)
British Gas / Centrica	Power Data Associates
BUUK Infrastructure	Rebel Energy
Callisto	RECCo
Data Communications Company (DCC)	SeaGlass
E (Gas and Electricity) Ltd	SMS
EdF (metering services)	SSEN
E.ON Next Energy Limited	St Clements Services
E.ON UK Energy Solutions (metering services)	Stark
Edgware Energy	TMA Data Management
ElectraLink	Tym Huckin Ltd
Elexon Central Systems (Helix)	Unify Energy
Energy Assets Ltd	Utilita
Ensek	Utiliteam
ESG	Wheatley Solutions
IMServ	
Itron Metering Solutions (UK)	
Kraken Data Services	
National Grid Electricity Distribution	
National Grid ESO	
Npower Business Solutions	

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Document Classification: Public

MHHS Programme – M6 Code Workstream Summary

Overall Status

- The Code Drafting Workstream is on track for M6 delivery in August 2024 and the consistency check activity is on track to make any final updates
- M7 Ofgem PCR to amend milestone date and milestone description raised
- M8 is on track

July Summary

- Publish consistency check artefacts sent for 24 June Consistency Check consultation
- Consultation comments are being actioned

August Deliverables

- Complete Code Artefacts for Finalisation stage and approval
- Support M7 delivery activities
- Support M8 BSC/REC implementation activities

Mstn Ref	Drafting Milestones	Baseline date	Forecast date	Status
T2-RE-0100	Data Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0150	Metering Services approved at CCAG	24/05/23	24/05/23	Complete
T2-RE-0250	Registration approved at CCAG	23/08/23	23/08/23	Complete
T2-RE-0200	BSC Central Services approved at CCAG	27/09/23	27/09/23	Complete
T3-RE-0300	Governance, Migration and Qualification approved at CCAG	22/11//23	22/11/23	Complete
T3-RE-0350	Transition Text and Interfaces approved at CCAG	24/01/24	24/01/24	Complete
T3-RE-0500	Topic Area Mop Up approved at CCAG	22/05/24	22/05/24	Complete
T3-RE-0500	Consequential Change approved at CCAG	22/05/24	22/05/24	Complete
T3-RE-0550	Finalise and consistency check approved at CCAG	23/08/24	23/08/24	Green
T3-RE-0550	Code changes baselined (M6)	23/08/24	23/08/24	Green
T2-RE-0600	Smart Meters Act powers enabled (M7)	11/11/24	11/12/24	Amber
T2-RE-0650	Code changes delivered (M8)	07/03/25	07/03/25	Green

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PSG - Qualification Update

Overall Status / Progress

Overall Qualification:
- Exemption Mod P476 raised by BSC Panel and out for industry consultation.
- Qualification Approach and Plan v3 (Non-Functional and Operational) being updated post consultation, alongside Qualification Assessment Document v2. Both targeting August QAG and BSC/REC PAB sign off.
- Self Qualification Assessment Document (SQAD) for new market entrants sent out for industry consultation.

Non-SIT Supplier & Agent Qualification:
- Migration Test Scenarios and Test Data Approach approved at July QAG.
- Shared Steps and Replicated Test Cases required for QT publish for Participants to reference.
- Annex 2 being updated post consultation to go for approval alongside QA&P v3.

Non-SIT LDSO Qualification:
- Annex 1 has been updated post consultation and is scheduled for approval via programme governance in August.
- Non-Functional and Operational test cases being shared with LDSO s and approval via programme governance is scheduled for August. Functional and migration test cases have been uplifted to align to IR8.1
- Preparation underway for DIP Onboarding

Key upcoming milestones

Milestone name	Date	RAG
Non-SIT S&A QT Test Data Approach Approved by QAG	18/07/24	C
Non-SIT S&A QT Migration Test Scenarios Approved by QAG	18/07/24	C
Qualification Approach and Plan v3 (Non-Functional & Operational)	29/08/24	G
Qualification Testing for Non-SIT LDSOs Participants' environments) Ready to start DIP onboarding (incl. certificates and security compliance)	05/08/24	G
Non-SIT LDSO Annex 1 Updated with Non-Functional, Migration and Operational plans	22/8/24	G

Qualification Cohort	Key Concern or Risk	Mitigation or Resolution	RAG
Non-SIT LDSO	Additional test data preparation needed to support alignment to test harness and data cleanse activities	Engagement with LDSO to agree way forward and timelines for activities.	A
Non-SIT LDSO	Progress or test coverage in SIT Cycle 2 &/or SIT Migration not sufficient to start LDSO QT	Working closely with SIT teams to understand progress and agree prioritised test coverage and exit criteria.	A
SIT MVC & Non-SIT LDSO	Timelines very tight for finalising QAD and confirming Qualification with REC Code Manager and BSC PAB ahead of M10/11 deadlines.	Working closely with SIT and Non-SIT LDSO teams to understand testing timelines and where Qualification activities can complete ahead of test sign off. Engagement with BSC PAB ongoing to ensure expectations are set around SIT MVC and Non-SIT LDSO Qualification.	A
Non-SIT Supplier & Agent	Key dependency on SIT NFT and Operational Test artefacts which may cause impact delivery of QT artefacts if delayed further.	Working collaboratively with the SIT teams to understand the delivery timelines and to get sight of the artefacts as early as possible to inform QT artefacts.	A

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- **Migration Framework Consultation 2 approved by MCAG**
    - MCAG approved the Consultation 2 outputs on 25 July 2024

- **Migration Framework Consultation 3 is scheduled with MWG**
    - Consultation 3 is scheduled to be issued on 28 Aug 2024, and approved by MCAG on 22 Oct 2024
    - Consultation 3 will include:
        - Updates to MCC processes and Industry Reporting Requirements
        - Migration Capacity Calculation Parameters
        - Governance and Escalation Framework – Tolerances, Severity definitions and remediation
        - Specification for Go-Live Governance Process

- **Migration schedule**
    - Capacity envelopes and the Schedule Submission template is on track to be issued on 31 July 2024
    - All suppliers have until to 2 Oct 2024 to submit their Migration Schedules (at a weekly granularity)
    - Primary Migration contact details not provided by approx. 30 Suppliers (accounting for 1% of industry MPANs). A targeted campaign is underway to obtain these details so that the associated templates can be issued
    - Webinars and weekly drop-in sessions have been booked to support Suppliers with the population of their schedules
    - The Migration Schedule is scheduled to be baselined by MCAG on 22 Oct 2024 (noting it will be based on a range of assumptions)
    - From Nov 2024 the Migration Sprint planning cycles will commence and the Migration schedule will be revised every 2 months (taking SIT progress, Qualification progress and Migration outturn into account)

- **Migration incentives**
    - Current position set out by Ofgem in MWG as the baselined position. There is consideration underway of further industry incentives which will have to be subject to the appropriate change management mechanism.

Level 3 Advisory Groups Updates

Governance group updates

Programme Steering Group (PSG)

PSG 03 July 2024

CR045: Decision made on rejection of CR045, to be handed over to Code Bodies for implementation post M-10. PPs supportive of change but do not have ability to implement before M-10.

CR050 Update: Ofgem update on clarifications to the Change Management process for Change Board – published on Collaboration Base.

Programme Reporting: Progress report on Sprint 1 and reminder on the Minimum Viable Cohort (MVC) concept and expected operation.

Settlement Analysis: Helix is developing a modelling tool to utilise real world data for outturn calculations expected as result of Migration to MHHS rules.

IPA Plan on a Page: Update on IPA plans out to December 2025.

PSG papers available here.

System Integration Testing Advisory Group (SITAG)*

SITAG 17 July 2024

SIT Non-Functional Test Scenarios & Test Cases: SRO approved SIT Non-Functional Test Scenarios & Test Cases Theme 2 (v0.2)

SIT Operational Test Scenarios and Test Cases: SRO approved SIT Operational Test Scenarios and Test Cases Theme 2 (v0.2)

Release Management & Configuration Management Approach: SRO approved the Release Management & Configuration Management Approach (v1.4)

Programme Milestones related to SITAG: SRO approved date change for T3-TE-0043 from 04 October 2024 to 03 January 2025

SITAG papers available here.

Design Advisory Group (DAG)

DAG 10 July 2024

Meeting held by correspondence only owing to diminishing content.

Design Updates: IR 8.1 published on 12 June 2024. Published artefacts can be found on design area of CB.

CR045: Rejected at July PSG and to be handed over to Code Bodies for Implementation post-M10.

CR050: Ofgem supported SRO's decision to approve CR050, with a recommendation that decision rationales be more clearly denoted within the decisions tables in Headline Reports. Updates to documentation can be found on CB.

DAG papers available here.

Qualification Advisory Group (QAG)*

QAG 18 July 2024

Non-SIT S&A QT Migration Test Scenarios: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

Non-SIT S&A QT Migration Test Data Approach: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

E2E Sandbox Guidance: The Chair, acting with delegated authority of the MHHS Senior Responsible Owner (SRO), approved the document following endorsement from QWG.

IPA Assurance Period 07: IPA provided an update on Assurance Period 07.

Cross Code Advisory Group (CCAG)

CCAG 24 July 2024

In the meeting, the CCAG provided updates on:

DIP Governance Update: The Programme confirmed 5 known inconsistencies will be added to DIP rules under the new DIP Governance in October and implemented before M10 via DIP industry consultation.

Horizon Scanning Log: BSC provided updates on P476 and CP1597. REC provided updates on R0144 and R0181. National Grid ESO provided CUSC updates on CMP430 and CMP431.

M6 Reporting: M6 Programme status, risks and milestone updates.

M7 Delivery: Ofgem M7 delivery.

BSC Guidance Notes Update: Update from Elexon on Guidance Notes and Simple Guides.

And, decided to cancel August CDWG2 meeting.

CCAG papers available here.

Migration & Cutover Advisory Group (MCAG)*

MCAG 25 July 2024

Migration Framework Consultation 2: The Chair, acting with delegated authority of the SRO, approved the Migration Framework Consultation 2 Outputs.

Programme Milestones related to MCAG: The Chair, acting with delegated authority of the SRO, approved Milestone T3-MI-0017, Migration Processes & Procedures, to move from 2 August 2024 to 22 October 2024.

Migration Framework Update: The Programme provided an update on the development of the Migration Framework.

IPA Update: The IPA provided an update on the Consequential Change assurance approach

MCAG papers available here.

Wider Programme Updates

Participant Checklist:

There are a few updates this week, so this week's Participant Checklist includes the following items for Programme participant review, feedback and awareness:

1. REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Non-Functional Test Scenarios and Test Cases Consultation – the deadline is **Friday 2 August 2024**
2. NEW! Code Consistency Check Assurance Review – the deadline is **Friday 2 August 2024**
3. REMINDER: Non-SIT LDSO Qualification Testing Readiness Report and Requirements to Test Traceability Matrix Templates – the deadline is **Monday 2 September 2024**
4. Qualification Contact Points and Key Governance Meetings
5. Non-SIT Supplier & Agent Functional Test Cases and ID filename mapping
6. Digital Programme Management Office (dPMO) update

You can view the **Participant Checklist** on the respective **Planning pages** of the Collaboration Base and the MHHS website. In the Participant Checklist you can view upcoming consultations and key deliverables, as well as the latest status of Change Requests in the Master Change Request Dashboard tab.

We've created the **Interim Release and Swagger version alignment document** for Systems Integration Testing (SIT) participants. You can view this document on the respective **SIT pages** of the Collaboration Base and MHHS website.

Upcoming Governance Meetings:

- **Thursday 1 August 2024:** Data Working Group (DWG)
- **Thursday 1 August 2024:** Systems Integration Testing Working Group (SITWG)
- **Wednesday 7 August 2024:** Programme Steering Group (PSG)

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*SITAG, MCAG, QAG replaced the Testing and Migration Advisory Group (TMAG) in Q1 2024.

Testing

- The PPC has been supporting the Testing team with SIT Functional Cycle 2, SIT Settlement and SIT Migration, including disseminating reactive defect comms to participants.

- The PPC has been collating and sharing weekly insights from SIT participants on test execution progress to drive continuous improvement.

- The PPC continues to support with the coordination and facilitation of the SIT Operational Test Scenarios industry review windows.

- The PPC has supporting the Testing team by scheduling FTIG bilaterals with all SIT Suppliers and Agents (with their Software Providers) w/c 29 July to understand any barriers to testing, testing resource allocation and estimated SIT F completion dates.

- **Next Steps:** PPC to support with the collation of insights from the FTIG bilaterals and prepare for the SIT Cycle 2 retrospective planning in August.

Qualification

- The PPC supported the Qualification Assessment Document (QAD), SQAD, Qualification Approach & Plan (QA&P), Annex 1 and Annex 2 consultations which closed on 19 July. They will support the Code Bodies and Programme with any follow up with participants following submission of their comments.

- The PPC have seen an uptick in queries regarding Qualification Execution and specifically Qualification PIT which they are engaging closely with the Code Bodies to support engagement and further information out to participants.

- The PPC supported the Non-SIT LDSO DIP Onboarding webinar which provided the constituency with the key guidance needed to complete their DIP Onboarding.

- **Next Steps:** Facilitate and support updates to participant queries regarding Qualification Execution and publish artefacts once they have been approved through the Qualification Advisory Group (QAG).
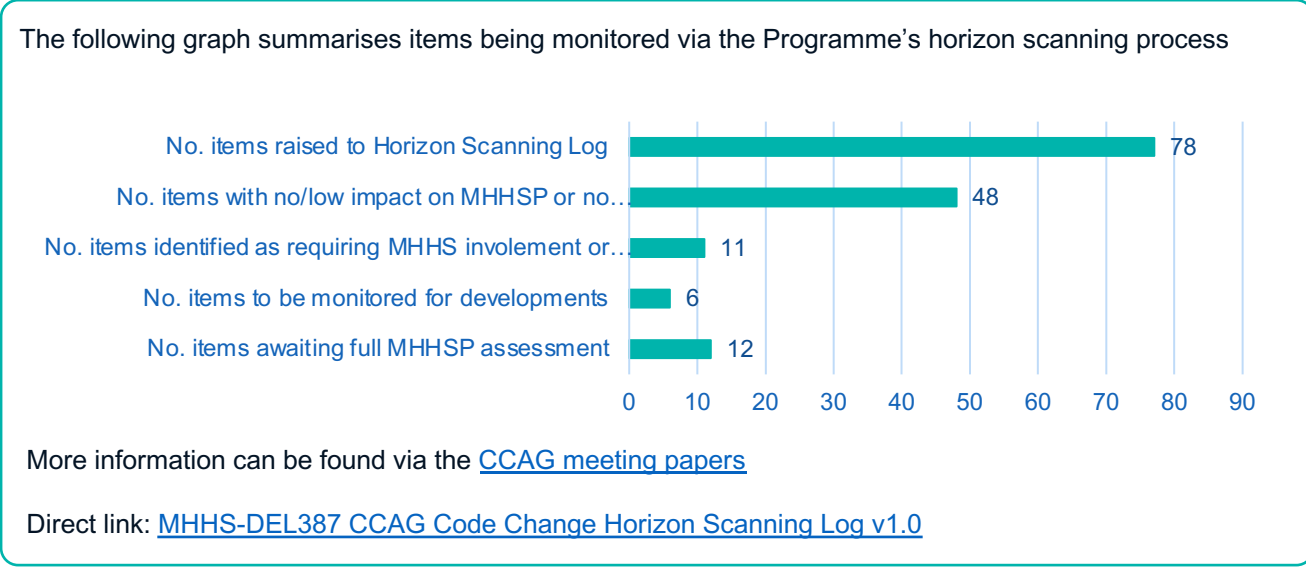
Targeted and Tailored Communications

- The PPC coordinated and facilitated the Non-SIT LDSO Non-Functional Test Scenarios and Test Cases for Consultation and completed the batch uplift of test cases and scenarios for SIT Functional Testing Cycle 2 bug fixes.

- The PPC supported participants with guidance on the correct usage of the DIP Simulator in line with Programme expectations and consolidated PPIR pages into one section on the comms channels to support participant navigation and experience.

- The PPC have assessed the mailing lists on the CRM and undertaken a clean-up exercise.

- **Next steps:** Continue the Phase 3 improvements on the Communication Channels, through socialisation of 'Ways of Working', continued clean-up of the CRM and review of all Collaboration Base and Website pages

Document Classification: Public

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

Horizon scanning metrics

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

Item	Value
No. items raised to Horizon Scanning Log	78
No. items with no/low impact on MHHSP or no…	48
No. items identified as requiring MHHS involement or…	11
No. items to be monitored for developments	6
No. items awaiting full MHHSP assessment	12

More information can be found via the CCAG meeting papers

Direct link: MHHS-DEL387 CCAG Code Change Horizon Scanning Log v1.0

Industry code changes: 77 – REC: 41, BSC: 17, DCUSA: 12, SEC: 5, CUSC: 3
Wider industry changes: 5 – HH opt-out, DUoS SCR, code review, microbusiness definition, licence change
Criticality of horizon scanning items – High: **11**, Medium to High: **3**, Medium: **3**, Low/No impact: **48**
Top RAID linked items:
- **SEC MP162** (R0011, R0083, R0113, R0115, R0116, R051, R0182, R0191, D0076, D0077)
- **REC R0032** (D0068, D0069)   • **REC R0044** (D0055)

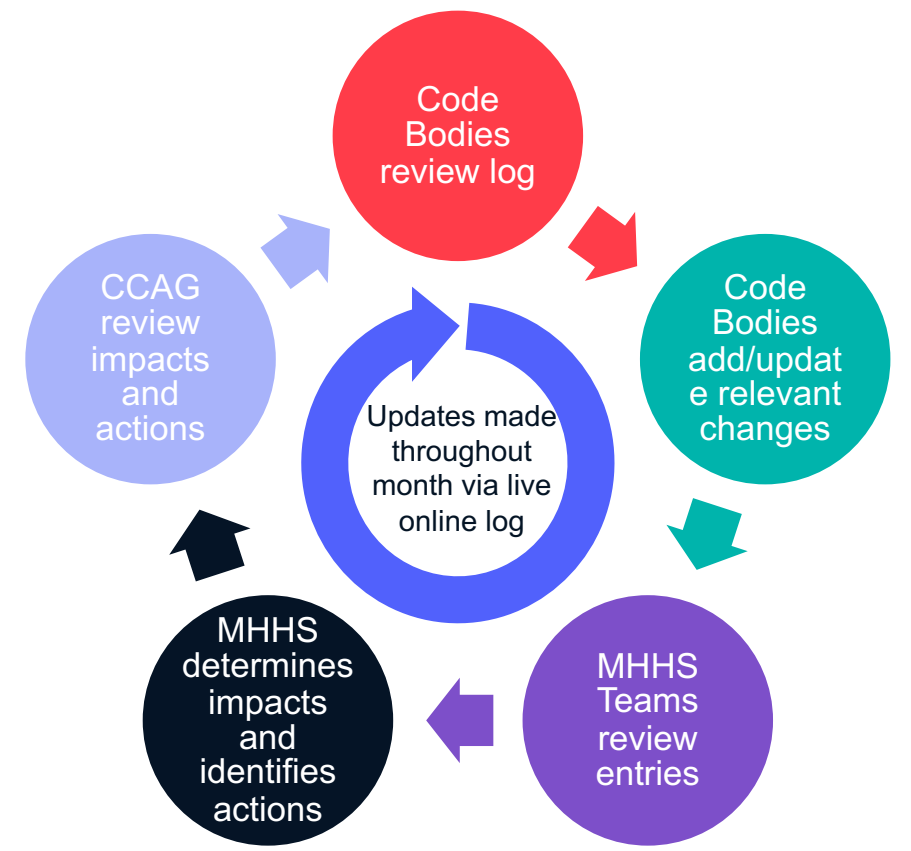### Horizon Scanning Process

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.

Code Bodies review log

Code Bodies add/update relevant changes

MHHS Teams review entries

MHHS determines impacts and identifies actions

CCAG review impacts and actions

Updates made throughout month via live online log

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Dashboard Objective: To provide PSG with a progress update on in-flight and future planned assurance activities.

Assurance Activities in Progress / Completed during month

Theme-Based Assurance

- **Ongoing Embedded Assurance Activities (WP1)** - **In Progress** - Monthly cadence of regular interactions with MHHSP, review of the bilateral reports and RAID log and actions monitoring.

- **Design Documentation (WP4)** - **In Progress** - Continued monitoring of design updates/change requests through attendance at DAG and DRG, and review of supporting documentation.

- **Ad-hoc Assurance and Advice (WP14) - In Progress -** Consequential Change Assurance Approach finalised and presented at MCAG on 25 July 2024.

Stage-Based Assurance

Assurance Period 7 - 1 July 2024 to 7 October 2024 - In Progress - Assurance activities include ongoing monitoring and meetings with a sample of Participant, which are due to commence 29 July 24, across the following scope areas:
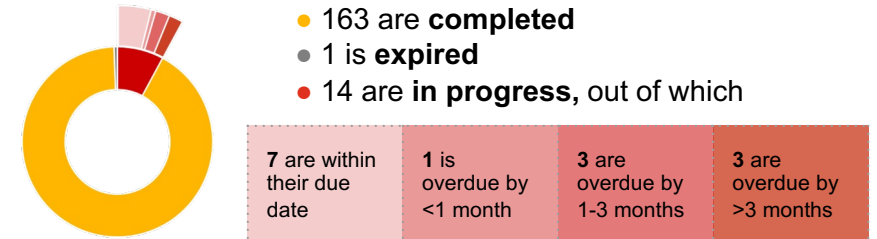
- **Test Assurance (WP9-11)** - SIT F and SIT M progress as well as readiness for SIT NFT and SIT Operational.

- **Qualification (WP12)** - Continued monitoring over preparation activities for Non-SIT LDSO Qualification Testing.

- **Migration (WP13) -** Continued monitoring over migration preparation and readiness activities.

- **Consequential Change (WP14)** - Understand Participant impact assessments and delivery plans for consequential change

Upcoming Assurance Activities

- **Assurance Period 8** - includes Testing, Qualification, Migration and Consequential Change assurance. P8 runs from October 24 to January 24.

Assurance Action Status

Overall,178 actions are agreed with the Programme team or Participants to date.

- 163 are **completed**
- 1 is **expired**
- 14 are **in progress,** out of which

7 are within their due date	1 is overdue by <1 month	3 are overdue by 1-3 months	3 are overdue by >3 months

Below are the actions opened and completed within the last period.
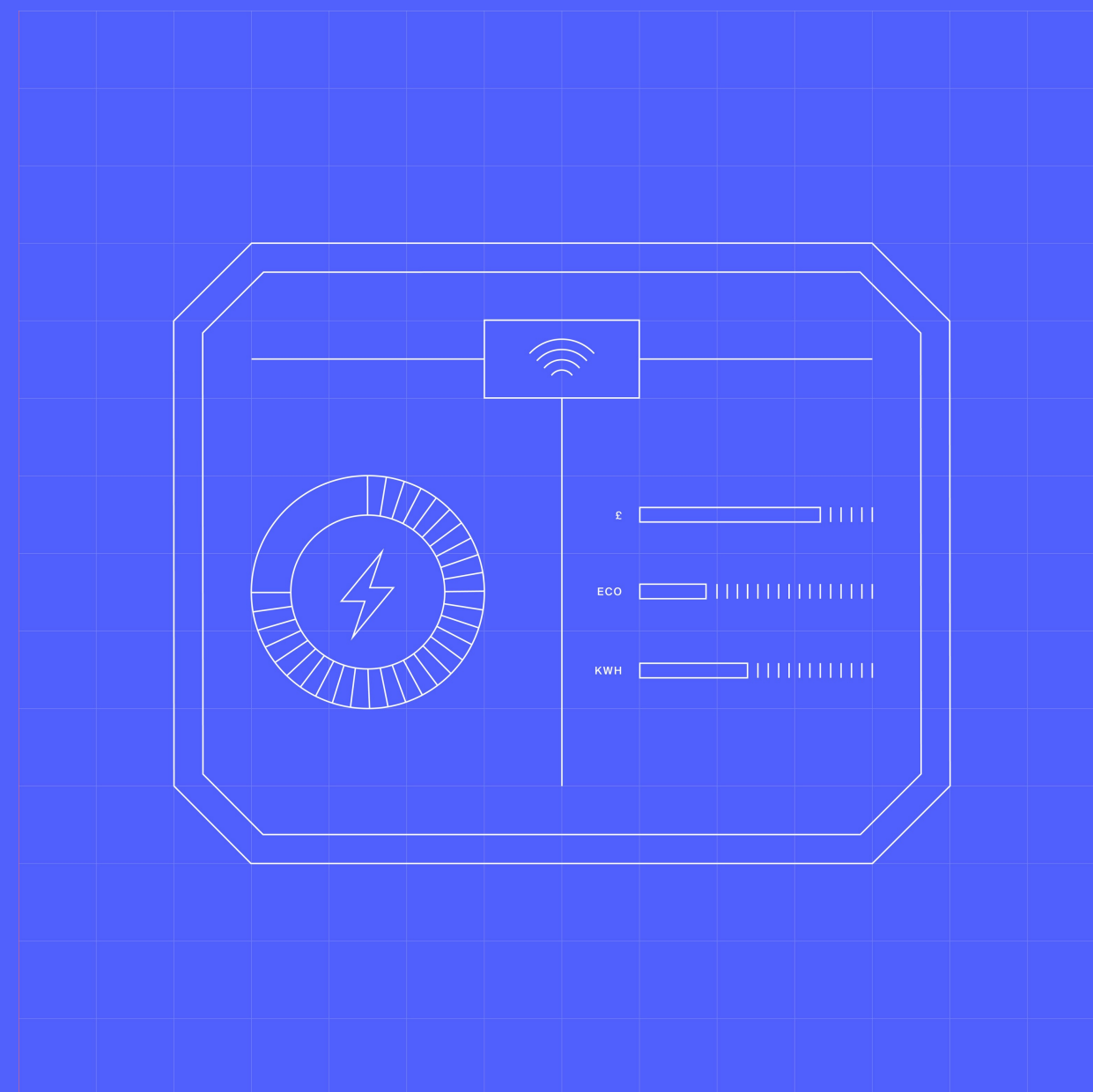
New actions opened	1
Actions completed	5

Summary and Next Steps

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

Chair and Secretariat

5 mins

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Summary and Next Steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **04 September 2024 10:00 – 12:30** (**face to face**)

04 September 2024 agenda items	Standing items
• Programme Change Requests • Change/Design Management post m-10 • M6 Update	• Minutes and Actions • Programme Reporting • Delivery Dashboards • Summary and Next Steps

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

Thank you