



MHHS
PROGRAMME

Programme Steering Group #34

03 July 2024

Version 1.0

MHHS-DEL2771

Document Classification: Public

Agenda

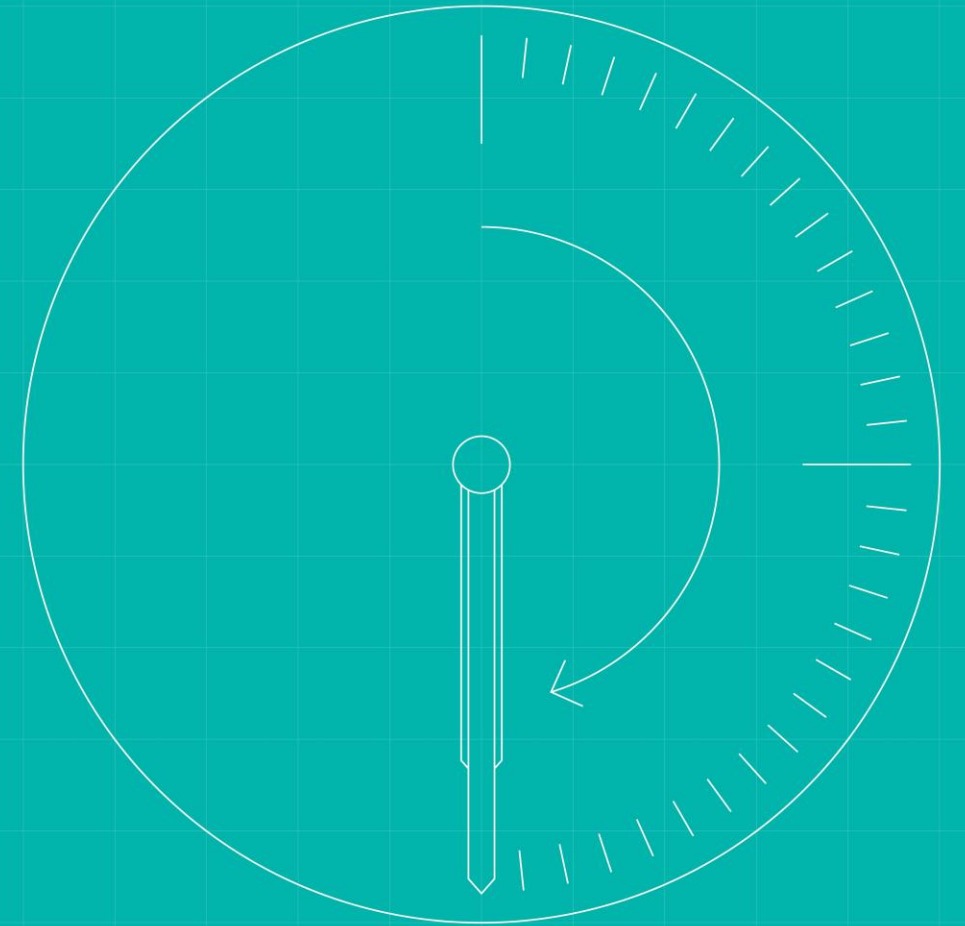
#	Item	Objective	Type	Lead(s)	Time	Page
1	Welcome		-	Chair	10:00-10:05 5 mins	1
2	Headline Report and Actions	Approve headline report of previous meeting and actions review	Decision	Chair & Secretariat	10:05-10:15 10 mins	3
3	Programme Reporting	Updates from the Programme on System Integration Testing (SIT)	Information	Programme (Keith Clark)	10:15-10:25 20 mins	
4	Elexon Settlement Analysis Updates	Updates from Elexon on settlement analysis actions	Information	Elexon (John Abbott)	10:25-10:35 10 mins	
5	Programme Change Requests	Decision on CR045 implementation following escalation from DAG, and verbal update from Ofgem on CR050	Decision / Information	Programme (PMO)	10:35-10:45 10 mins	
6	IPA Plan on a Page	Outline of IPA assurance plan to December 2025 (action PSG21-05)	Information	IPA (Renata Yussupova)	10:45-10:55 10 mins	
7	Delivery Dashboards	Questions from PSG members on delivery dashboard content	Information	Chair	10:55-11:15 20 mins	
8	Summary and Next Steps	Summarise actions and decisions, and look ahead to next meeting	Information	Chair & Secretariat	11:15-11:20 5 mins	

Headline Report and Actions

DECISION: Approve minutes and review actions

Chair & Secretariat

10 mins



Headline Report and Actions (1/2)

1. Approval of [PSG 05 June 2024 Headline Report](#)
2. Review of actions:

Ref	Action	Owner	Due	Latest Update
PSG21-05	Programme to discuss with IPA the potential inclusion of IPA test assurance activities alongside programme plan information, to assist participants' view of effort requirements	Programme and IPA	03/07/24	RECOMMEND CLOSED: IPA to outline detailed Assurance Plan out to December 2025 at PSG meeting 03 July 2024.
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 Abbot)	05/06/2024	<p>ONGOING: The Paper on Settlement analysis was shared with the PSG attendees following the May PSG. We have since met with Gareth Evans, Graham Wood, Jason Brogden to discuss further the preferred next steps. Elexon have identified the scenario 11.1.1 from the CR0013 output paper as the key scenario to focus on for potential progress with the GCF risk being noted as the one to follow up on rather than the Trading Charge risk.</p> <p>Elexon are following up on a potential approach to build out a Spreadsheet model to test out the scenario and Gareth Evans and Graham Wood are liaising to look to gather a block of real world MPAN data to feed into it. When both activities are concluded, Elexon will liaise to confirm feasibility of conducting a test. This does not yet constitute a commitment to produce a model by Elexon as Elexon needs to be certain of the feasibility, boundaries and level of effort so as not to place undue risk on our wider Helix delivery and MHHS Business Readiness activities. However, Elexon anticipates being able to confirm the specific actions that can be taken at the July PSG. See agenda item 4.</p>
PSG32-05	Programme to determine mechanism for assessing implementability of CR044 and CR045 with participants ahead of M10	Programme (PMO)	05/06/2024	RECOMMEND CLOSED: CR044 rejected for implementation before M10. PPIR issued to measure Programme Participants' ability to implement CR045 ahead of M10, decision to be made at July 2024 PSG.
PSG32-07	Programme to hold Design Resolution Group (DRG), to develop detailed solution for CR045	Programme (Paul Pettit)	05/06/2024	RECOMMEND CLOSED: Detailed solution issued for PPIR. Decision on approval rejection to be taken at July 2024 PSG.
PSG32-08	IPA to consider governance of DBT2 assurance and any participant impact assessment required	IPA (Richard Shilton)	05/06/2024	ONGOING: Consequential change assurance approach currently agreed with the Programme prior to sharing with industry, targeting 25 July MCAG.
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.

Headline Report and Actions (2/2)

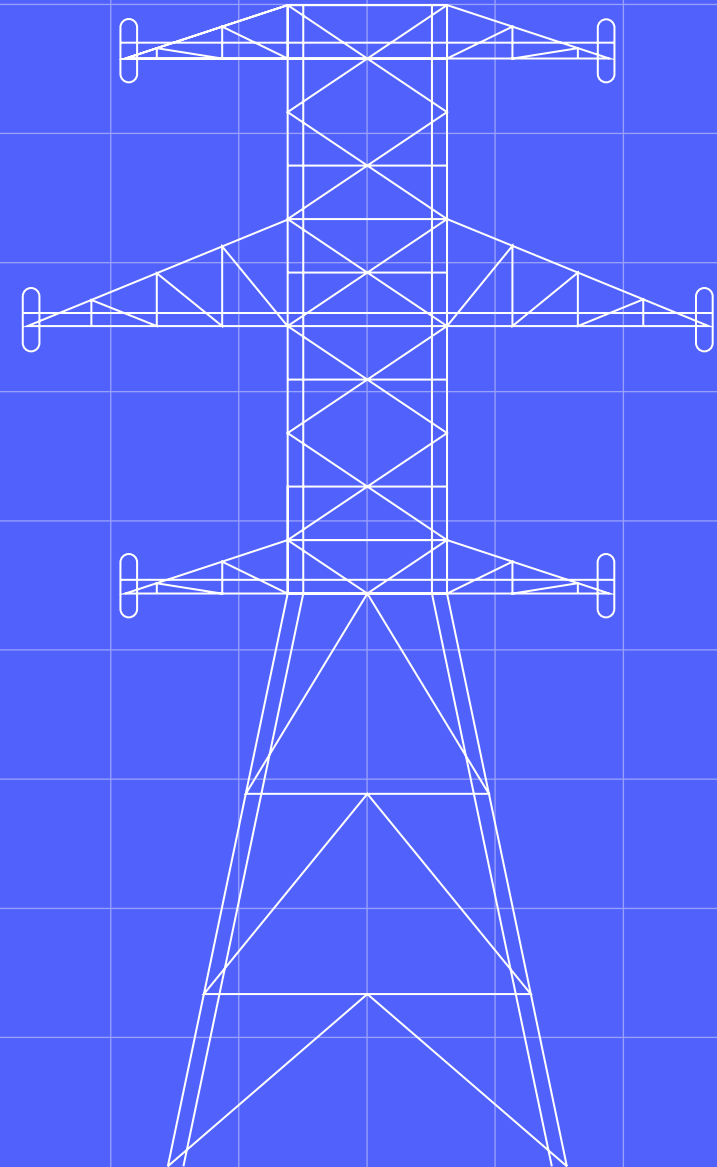
Ref	Action	Owner	Due	Latest Update
PSG33-02	Programme to provide further clarity on progress to define how changes required to MHHS arrangements via BAU code governance will be managed, and how the Authority will be engaged to ensure the timely progression of code modifications/change proposals which may require direction via SCR powers	Programme (Claire Silk)	07/08/2024	ONGOING: Action owner changed to Programme. Update to be provided at August 2024 PSG.
PSG33-03	Programme/Elexon to arrange for update to be issued to participants on Pre-Qualification Submissions (PQS) via The Clock	Programme (Nic Farley) & Elexon (Laura Kennedy)	03/07/2024	RECOMMEND CLOSED: Updated issued as part of The Clock published on 12 June 2024.
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 Abbot)	05/06/2024	ONGOING: Update to be provided at July 2024 PSG.

Programme Reporting

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

Programme

20 mins



Tracking of timetable to address and clarify points of concern

Sprints	Weeks	Dates	
Sprint 1	Week 1	17 to 21 June	<ul style="list-style-type: none"> MHHSP to start cohort-by-cohort meetings, to (a) understand each cohort's own view of their fastest realistic model to complete their remaining Functional testing, and (b) their view on the conditions to move into the IR8.x maintenance window (Functional and Migration Testing) Meetings started 24-Jun and scheduled through the week Set out (to FTIG) the proposed conditions to move into the IR8.x maintenance window (Functional and Migration Testing) Presented to FTIG 21-Jun, see 'Update on development of test stage firm targets' below
	Week 2	24 to 28 June	<ul style="list-style-type: none"> MHHSP to continue and conclude cohort-by-cohort meetings, to (a) understand the cohort's own view of the fastest realistic model to complete their remaining Functional testing, and (b) their view on the conditions to move into the IR8.x maintenance window (Functional and Migration Testing) Cohort conversations may continue, and conclude in Sprint 2 if necessary Conclude and set out (with FTIG) (a) the expected execution model and (b) the conditions to move into the IR8.x maintenance window (Functional and Migration Testing) Updates to be provided to FTIG on 28-Jun and PSG 03-Jul
Sprint 2	Week 1	01 to 05 July	<ul style="list-style-type: none"> MHHSP to start to consider candidates for MVC
	Week 2	08 to 12 July	<ul style="list-style-type: none"> MHHSP to report (to FTIG) the assessment of risk to test stage end dates and mitigating actions (such assessment to include the potential for programme milestone date changes) Will be discussed at FTIG on 12-Jul MHHSP to propose (to FTIG and subsequently to SITAG) the intended MVC going into Sprint 3 and onwards Will be discussed at FTIG on 12-Jul

Minimum Viable Cohorts (MVC) Concept and Expected Operation (1)

Why did we establish the concept of the MVC?

- As part of the critical path to reach Go-Live (M10), the end-to-end MHHS design must be proven via Systems Integration Testing (SIT)
 - scope and completion of SIT must also provide the basis for parties to subsequently qualify and start migration
- Based on the Programme's delivery philosophy and the need to reliably achieve the M10 date, the programme will:
 - allow and support the fastest organisations to proceed at the pace they can sustain, and
 - support other organisations to complete SIT whilst environments are still available, to ensure their qualification and subsequent migration
- The programme plan provides for the MVC to complete SIT at least 11 weeks before the last (non-MVC) SIT party:
 - MVC completes SIT by or before 07-Feb-25; other (non-MVC) parties must complete SIT by or before 25-Apr-25 whilst the SIT environments are available
- All SIT Participants will be able to qualify when they have completed SIT (providing SIT Test Completion Reports into the QAD)
 - MVC parties will be able to be the first to qualify, and to be ready to start migration at M11

Minimum Viable Cohorts (MVC) Concept and Expected Operation (2)

What are the principles for setting, reviewing and operating within the MVC concept?

- The minimum number of roles in the MVC (to prove the end-to-end design) was set out at the time of the programme re-plan in 2022 and has continued to be reported thereafter (i.e., 2 Suppliers, 1 MPRS, 1 LDSO/Network Ops, 1 UMSO, 2 ADS, 2 SDS, etc.)
- Since cohorts were constructed and agreed with SIT parties ahead of SIT commencement, we also look at the MVC from that perspective
- The programme has outlined an intention to propose the constitution of the MVC at the end of Sprint 2 – and we expect that this will be primarily based on cohorts' progress through SIT Functional Cycle 1, and the first 2 sprints of SIT Functional Cycle 2 and SIT Migration (comparing cohorts' progress using the 'common currency' of test points, which considers test steps progressed / passed)
- By 12-Jul, we intend to identify and to propose 2 tiers of cohorts to FTIG:
 - 'Tier 1' (the Candidate MVC), which will be the 4 foremost cohorts at that point (we need a minimum of 2 cohorts, plus 2 as contingency)
 - 'Tier 2', the remaining (non-Candidate MVC) cohorts
- It is possible that new cohort pairings will be proposed as part of the Candidate MVC proposal
 - set-up of new pairings is technically straightforward as data preparation is unaffected, and should not be considered a constraint for cohorts to be in the MVC
- Candidate MVC will get priority support mainly in terms of active management of throughput of test execution and defect resolution, especially those involving Central Parties. Intention is two-thirds vs. one-third support levels (Candidate MVC vs. non-Candidate MVC), such levels reviewed each sprint
- Candidate MVC will be reviewed and may be changed, at the next maintenance window (i.e. before Cycle 3)
 - again, based on review of cohorts' progress through test sprints (test points accrued)
 - cohorts may as a result move up or down tiers

Update on development of test stage firm targets, based on shared cohort execution models

We have set out the intended criteria that we believe should be used in constituting firm targets to reach the IR8.x maintenance window.

Test stage	Proposed criteria for firm targets, based on 'minimum viability' to proceed into IR8.x maintenance window
SIT Functional Testing Cycle 2	<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> ○ % 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): <ul style="list-style-type: none"> ○ 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)	<ul style="list-style-type: none"> • 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)	<ul style="list-style-type: none"> • 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

**To be updated with latest information
ahead of PSG 03 July 2024**

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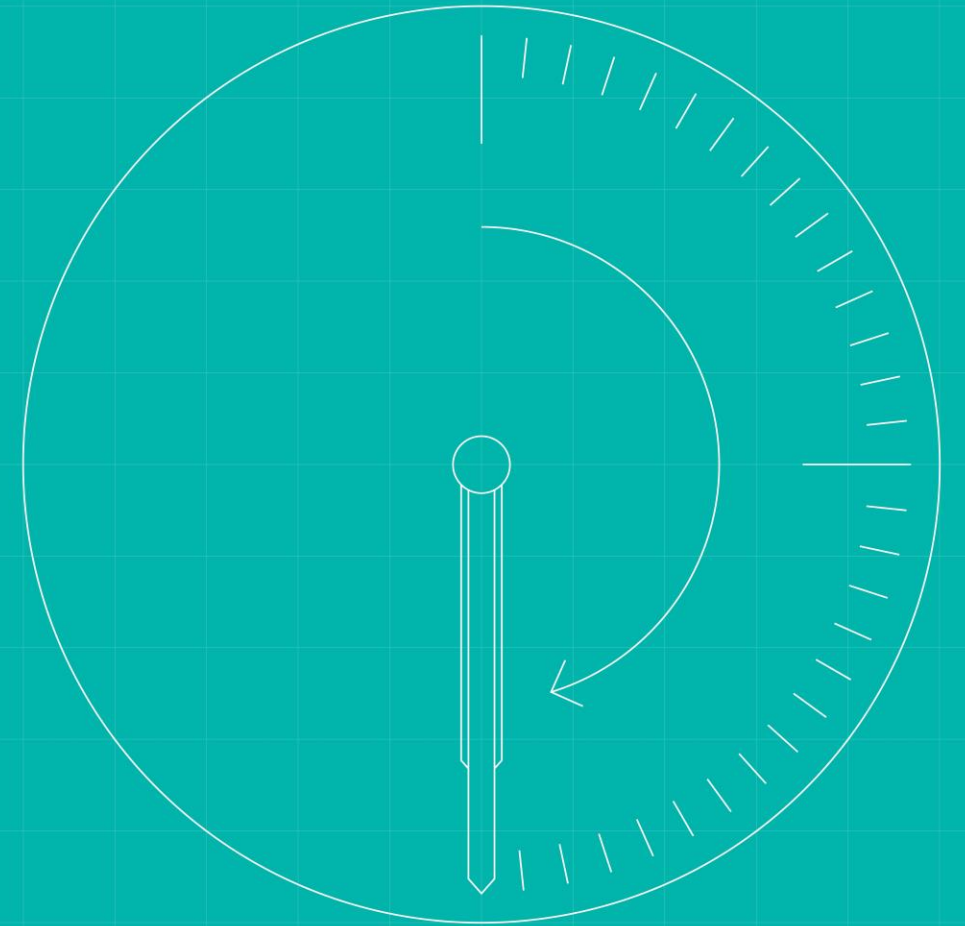
**To be updated with latest information
ahead of PSG 03 July 2024**

Settlement Analysis

INFORMATION: Updates from Elexon on settlement analysis actions

Elexon (John Abbot)

10 mins



Elexon have held further discussions MHHS Supplier Representatives and MHHS SMEs to determine practical steps to provide insight into the key areas of concern highlighted within CR013 discussions. These have boiled down to specific concern about the impacts of migration of MPans to MHHS rules on Group Correction Factors. The view from Industry Representatives was that only real data modelling, rather than theoretical modelling, was of any practical use in allaying concerns.

In light of this Elexon have commissioned the development of a modelling tool that can utilize real data to provide outturn calculations that would be expected as a result of migration to MHHS rules. We intend to develop this tool over the course of the month of July. Gareth Evans and Graham Wood proposed to look into sourcing of the required MPan Data from around 50k MPans to feed into the model with a view to an analysis of the effects of transition on Group Correction Factors which could then be made available to interested parties to review and interpret.

Elexon have made clear that they, like other participants in MHHS, are working to very tight and demanding milestones and hence have limited bandwidth to support open ended investigation into the issue and expect and intend that this modelling work will be the only step that is requested or that can be completed prior to M10. In discussion with Supplier Representatives this has been agreed as a sensible practical approach and sufficient response.

Requirements

Develop a visualization tool to display new load shapes for the NHH sector alongside existing load profiles. This tool should allow industry participants to compare daily, yearly, and Load Shape Category data

- Data to complete all load shape categories (LSC) as defined as per LSC Method statement:
- LSC MS: Appendix 1 for LSC.
- LSC MS: Section 9 Calculating The LSC associated with each LSC.
- LSC MS: Section 10 Calculating the Load Shape Total for each LSC
- Map existing metered data to relevant LSCs to ensure that the required number of sites are in each category.
- LSC output to be generate per calendar day.
- LSC to be shaped per year.

Outputs

At the end of the analysis, the following will be delivered to Elexon:

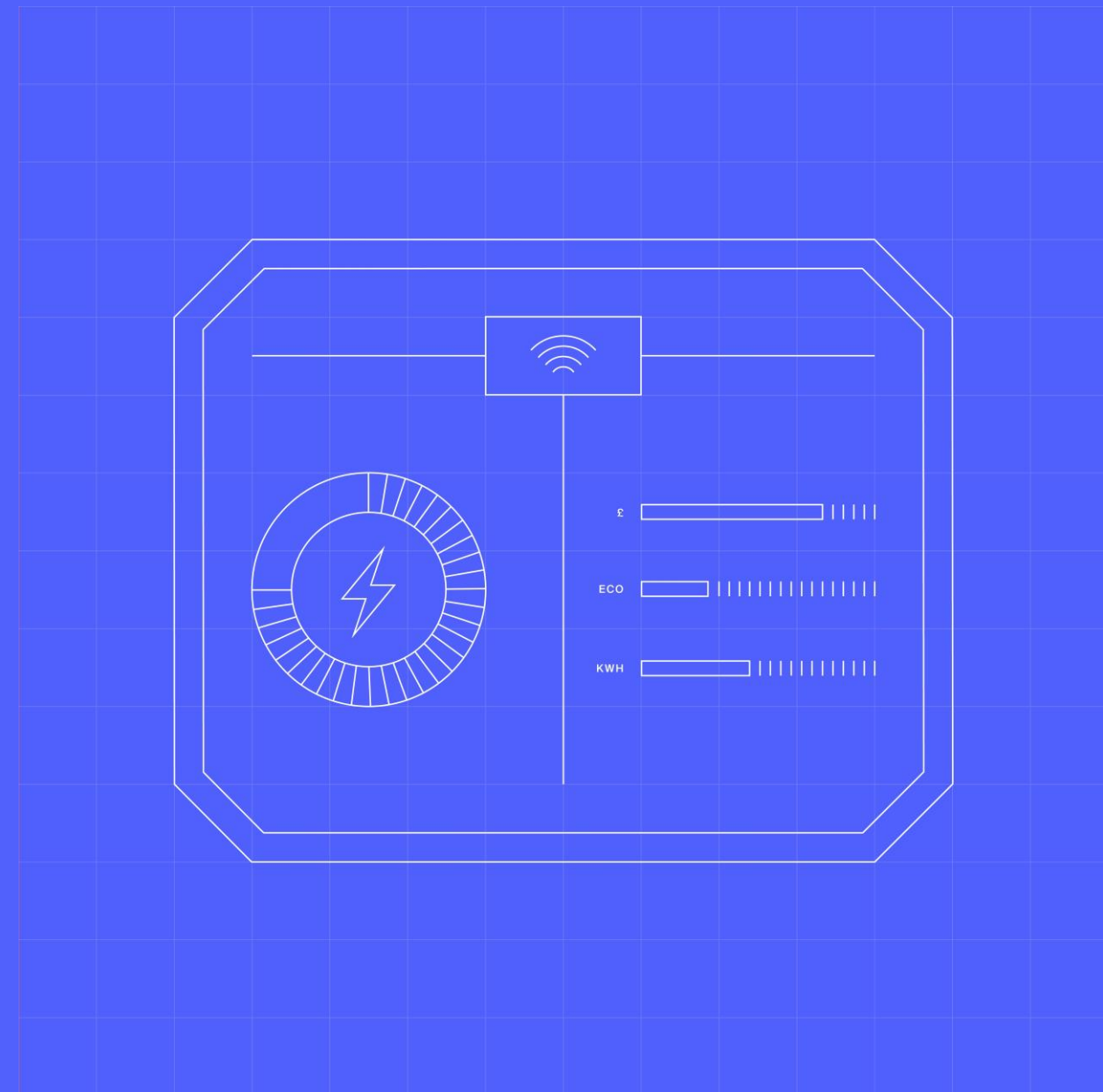
- A document summarising the results and conclusions;
- Any spreadsheets or databases containing the calculated LSC values;
- Any input data;
- Any code or spreadsheets used to manipulate the data, and instructions on how to run the calculation;
- Any code or spreadsheets used to generate the LSCs.

Programme Change Requests

DECISION/INFORMATION: Decision on implementation following escalation from DAG: CR045, and updates on CR050.

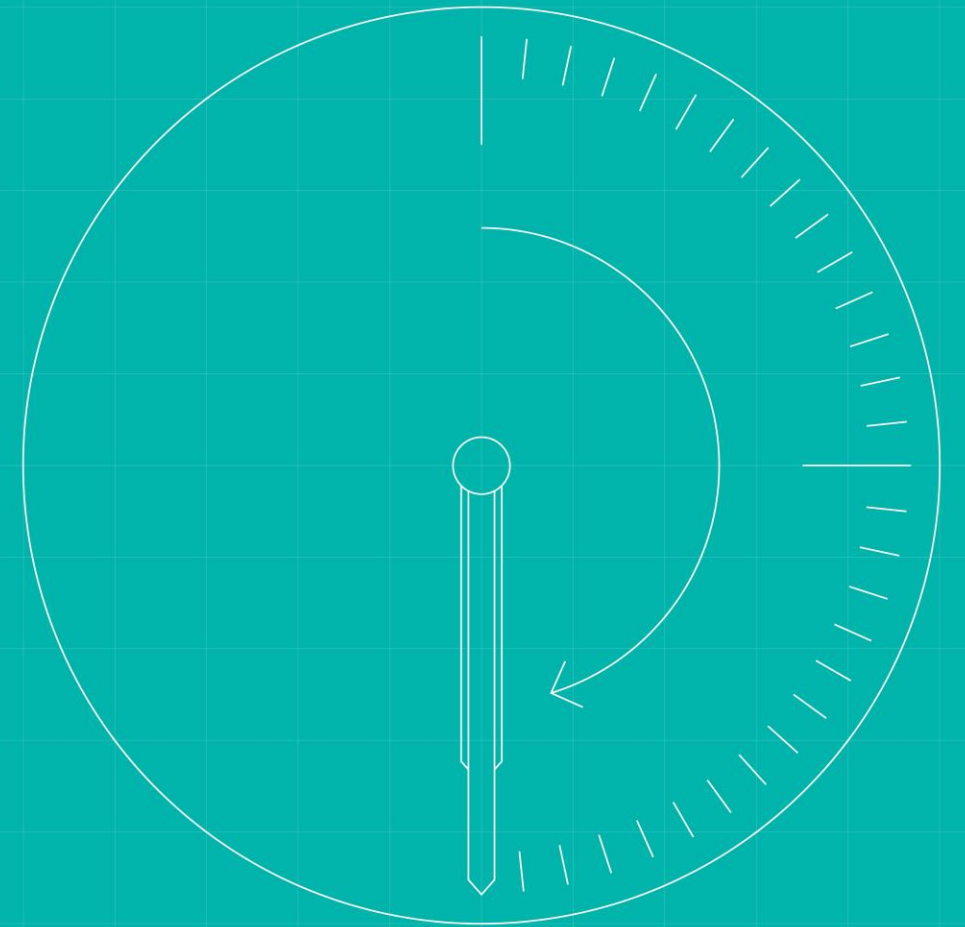
Programme (PMO) and Jenny Boothe (Ofgem)

10 mins



CR045 Programme Participant Information Request (PIIR) Report & Recommendations

DECISION: CR045: *'Supply Start Date (SSD) Correction Tool'* Review the outputs of PIIR and decision on next steps



Overview and objective:

The Programme issued a PPIR to understand Programme Participants' ability to implement CR045 before M10, following an update from St Clements Services that they would be able to complete their implementation in January 2025, and the finalisation of the solution design through the Design Resolution Group.

The Programme Steering Group will review the outputs of the issued CR045 PPIR and advise SRO on their decision to approve or reject the Change Request for a pre-M10 implementation.

Headlines:

- Overall: **10 respondents supported implementing the change before M10, and 34 respondents stated that they cannot implement the change before M10.**
- **Those who supported the implementation of the Change Request before M10 did so on the following basis:**
 - Kraken Technologies are willing to commit extra resource to implement the changes before M10. Therefore, parties reliant on Kraken as a platform provider are able to absorb the changes in turn.
 - Respondents impacted minimally by the changes were supportive of its imminent implementation
- **Respondents who are unable to implement the Change Request before M10 gave the following reasons:**
 - As the supportive work required by LDSOs following the development of the solution (assurance, testing, etc.) has not yet been defined, deliverability is challenging to fully assess. Risk of any slippage in existing SIT or Qualification phases would have an impact and require consideration.
 - A number of I&C Suppliers are unable to implement the changes as their service providers have stated they cannot implement pre-M10.
 - Respondents are already working to challenging timescales to deliver the baseline solution, and implementing this change would add significant time and effort.
 - Implementing the change before M10 would put additional pressure/risk on meeting M10 on time.
- **Further comments:**
 - **Respondents remain supportive of the solution.** Many respondents who are unable to implement before M10 support a post-M10 implementation.
- **Programme recommendation**
 - Based on the responses to the PPIR, the Programme recommends that CR045 is handed over to the Code Bodies, to be implemented in a post-M10 release.

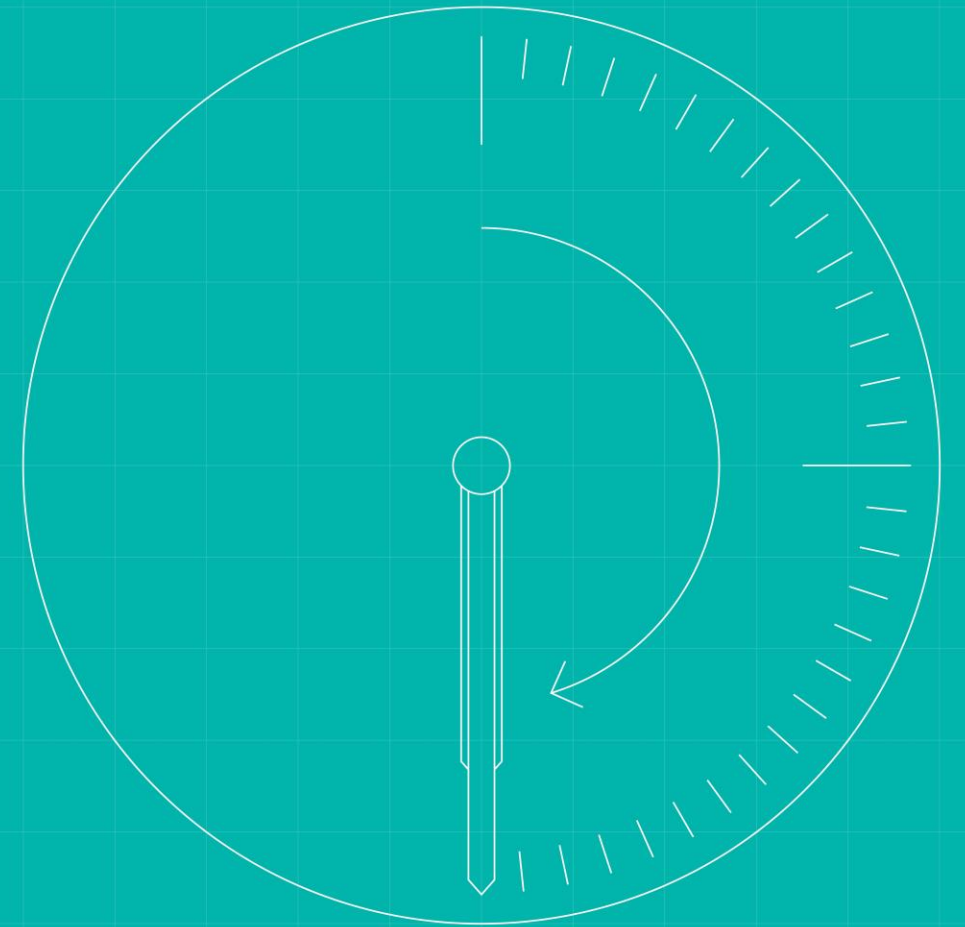
CR045 – Submitted PPIR Responses

Programme Parties	CR045 PPIR Responses		
	Yes	No	No Reply
Large Suppliers	2	3	-
Medium Suppliers	2	1	4
Small Suppliers	-	6	27
I&C	1	12	28
DNOs	-	6	-
iDNOs	-	5	8
Ind. Agents	2	-	45
Supplier Agents	-	-	7
S/W Providers	2	-	23
REC Code Manager	1	-	-
National Grid ESO	-	-	1
Consumer	-	-	1
Elexon (Helix)	-	1	-
DCC	-	-	1
SRO / IM & LDP	-	-	1
IPA	-	-	1
Avanade	-	-	1
Totals	10	34	148

Document Classification: Public

CR050 Update (*verbal*)

INFORMATION: Verbal updates from Ofgem on CR050
'Amendments to the MHHS Change Control Approach and Form'

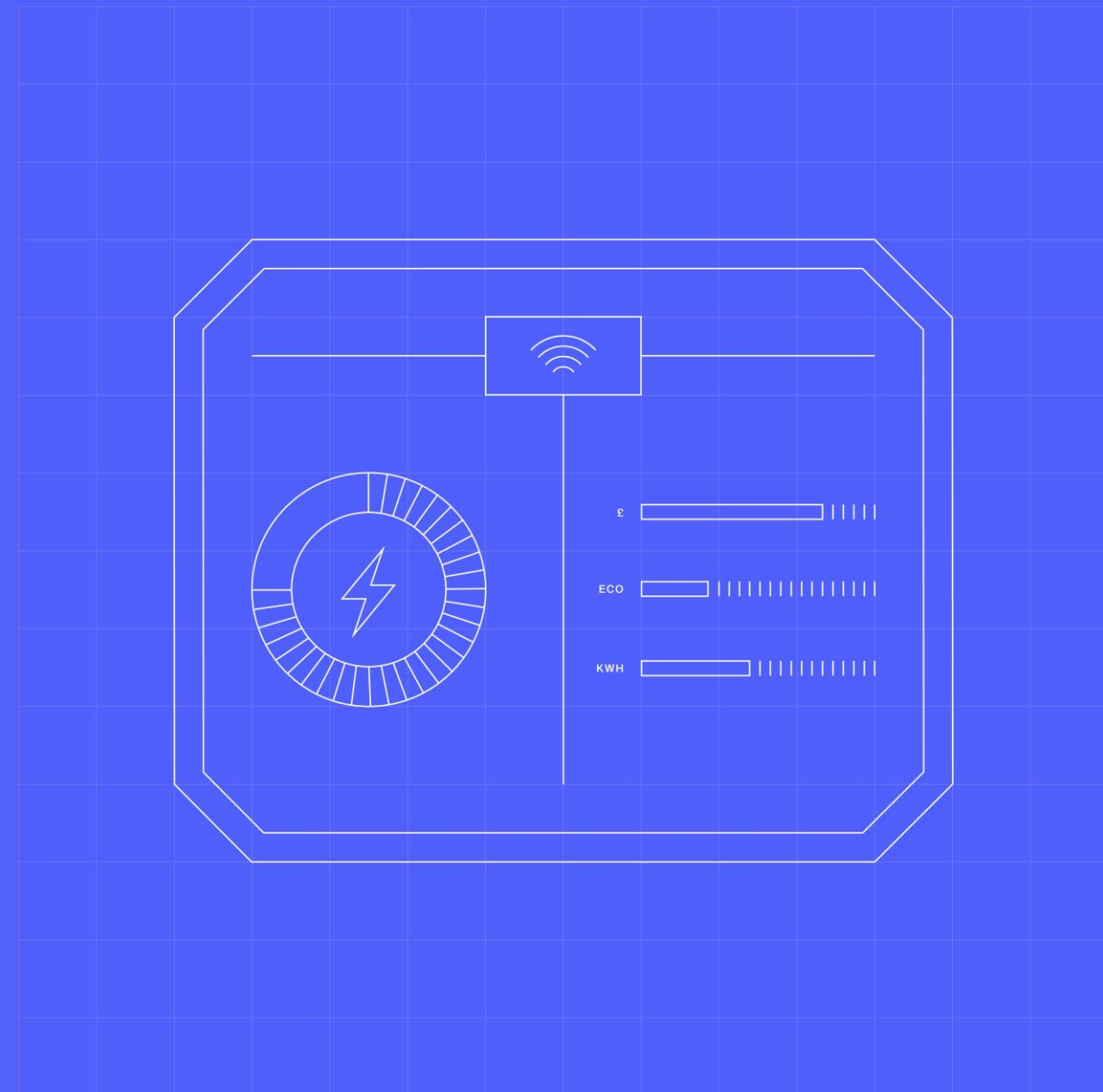


IPA Plan on a Page (POAP) to Dec 2025

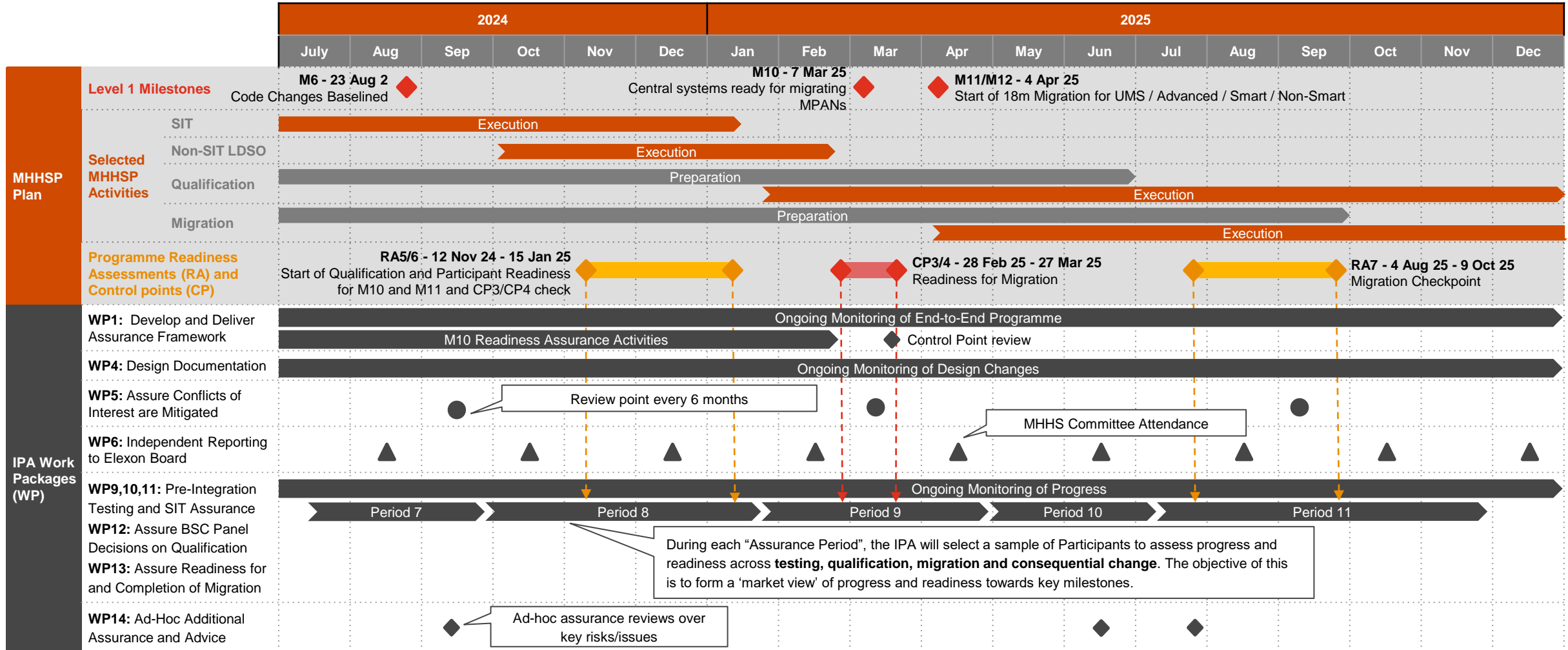
INFORMATION: Outline of IPA assurance plan out to December 2025 (Action PSG21-05)

IPA

10 mins



The purpose of this document is to **provide industry visibility of planned IPA assurance activities to Dec 2025**. These activities are aligned to the overall MHHSP Plan and are based on the agreed IPA Work Packages. Further detail of each IPA Work Package is provided on the subsequent pages.



	Work Packages	Activities	Outputs/Outcomes	Status
Theme Based	WP1: Develop and Deliver Assurance Framework	<ul style="list-style-type: none"> Ongoing involvement in the governance meetings and processes of the Programme Regular review of PPC bilateral reports and progress Regular review of Programme RAID and status reporting Monitoring of Programme plan progress Impact assessment of the change requests Tracking of agreed assurance actions 	<ul style="list-style-type: none"> Bi-Monthly reporting of emerging risks and issues to discuss with the Programme Action Tracker to confirm closure of agreed actions from IPA recommendations Key themes to be reported to PSG on a quarterly basis PSG monthly IPA Dashboard 	Ongoing
	WP3: MHHS Programme Plan	Complete - ongoing monitoring of plan progress through WP1		
	WP4: Design Documentation	<ul style="list-style-type: none"> Ongoing monitoring of design updates/change requests through attendance at DAG, DRG, DWG and DCWG, and review of supporting documentation 	<ul style="list-style-type: none"> Bi-Monthly reporting of emerging risks and issues to discuss with the Programme 	Ongoing
	WP5: Assure Conflicts of Interest are Mitigated, and key areas of focus are respected	<ul style="list-style-type: none"> 6 monthly checkpoints to review the operating effectiveness of controls implemented by MHHS to prevent any potential conflicts of interest with Elexon 	<ul style="list-style-type: none"> IPA report highlighting any observation and recommendations 	Ongoing
	WP6: Independent Reporting to Elexon Board	<ul style="list-style-type: none"> Attendance at the Elexon MHHS Committee every other month to share key findings from recent assurance activities and our view on forward activities 	<ul style="list-style-type: none"> Short paper summarising key messages from recent IPA assurance activities and forward priorities. 	Ongoing
WP14: Ad-Hoc Additional Assurance and Advice	<ul style="list-style-type: none"> Additional ad hoc risk assessments in response to emergent issues as required by the Programme and Ofgem as Programme Sponsor 	<ul style="list-style-type: none"> IPA report highlighting any observation and recommendations 	Ongoing	

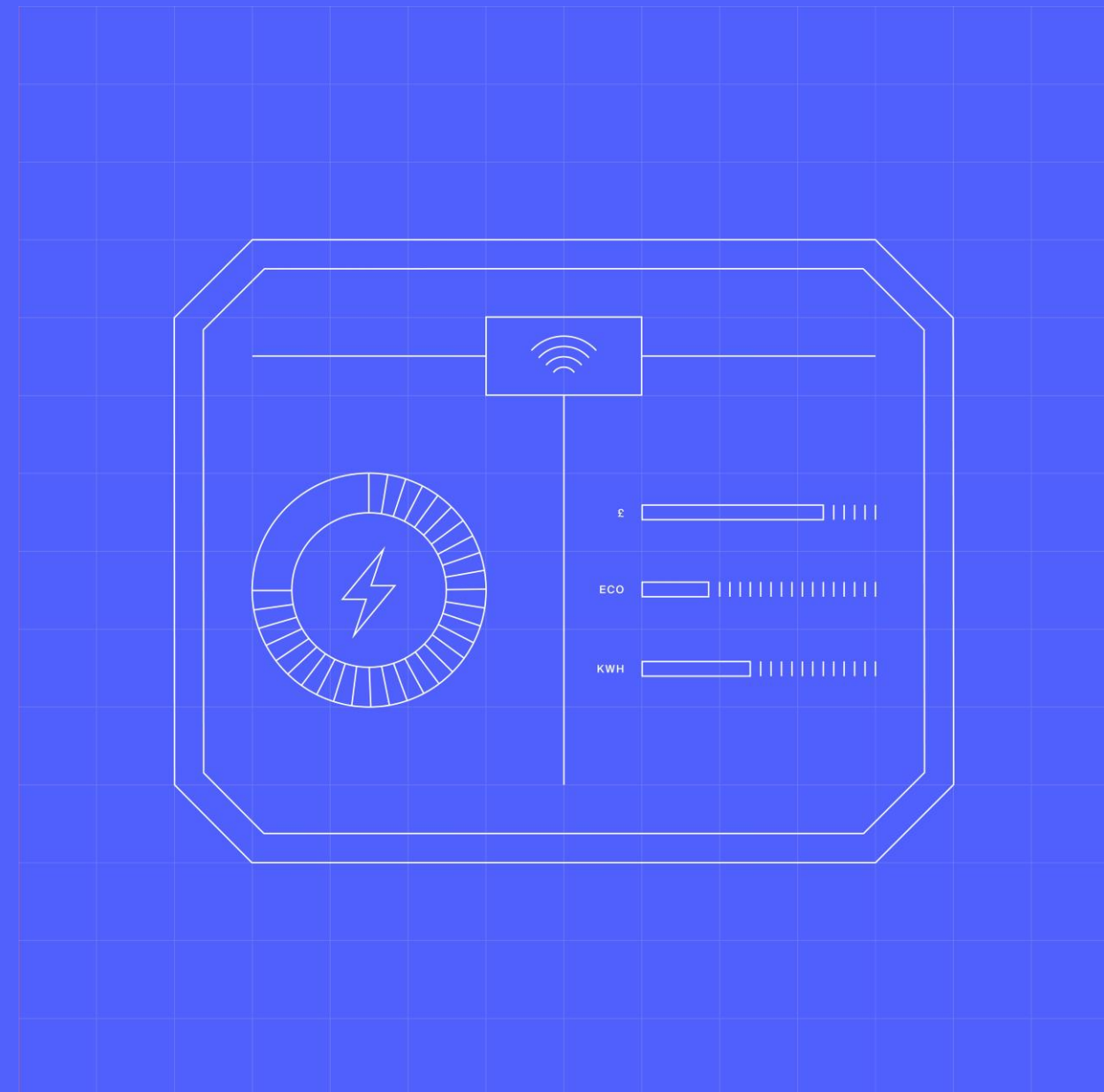
	Work Packages	Activities	Outputs/Outcomes	Status
Stage Based	WP2: Mobilisation Assurance		Complete	
	WP7: Assurance 'Central Programme Functions' readiness to enter Design and Build		Complete	
	WP8: Other Programme Parties readiness to enter Design and Build		Complete	
	WP9,10,11: Pre-Integration Testing and SIT Assurance	Ongoing Monitoring <ul style="list-style-type: none"> Attending testing relevant Advisory and Working groups Reviewing Programme reporting over progress Attending relevant Programme meetings Ongoing review of management and coordination of activities by the Programme Sample Based Assurance - We will be selecting a risk-based sample of Participants for each 'Assurance Period' across constituencies to assess readiness and progress for the following areas, as applicable at the time of review: <ul style="list-style-type: none"> Testing Qualification Migration Participant consequential change 	<ul style="list-style-type: none"> Summary reports at the end of each 'Period' shared with the Programme and Ofgem that include a summary of key thematic risks. To support a weekly status update, meet with the Programme to produce a weekly test assurance report. This report will include key observations and recommendation that are provided in real-time to the Programme. Monthly status updates to SITAG, providing updates on agreed actions along with completed and upcoming assurance activities. Input into SITAG, FTIG, MCAG and QAG where applicable to support decision making choreography. 	In Progress
	WP12: Assure BSC Panel Decisions on Qualification			
	WP13: Assure Readiness for and Completion of Migration			
	WP15: Post Assurance Learnings		To be mobilised in 2027	

Delivery Dashboards

INFORMATION: Questions from PSG members on delivery dashboard content

Chair

15 mins



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
	SI Workstream Update	Update on activity and progress in the Design Management, Testing and Transition workstreams
MHHSP Workstream Activity	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	<ul style="list-style-type: none"> 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

		Key Risks																				Current score movement since last PSG	Mitigation Plan										
Risk ID	Risk Description	Risk Score Assessment																															
		Critical					High					Medium					Low																
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
R803	There is a risk that triage / defect management is not effective in equitably addressing priorities and ensuring optimum execution progress																															Score remains at 16	<ol style="list-style-type: none"> Encourage ownership of testing success within each cohort, to supplement and enhance the programme team's overall co-ordination of testing activities Manage the balance of MVC progress (prove the E2E design) vs. cohort progress (risks to migration) Implement improvements for SITF Cycle 2 based on Cycle 1 lessons learned
R804	There is a risk that there could be different interpretations of the Design																															Score remains at 20	<ol style="list-style-type: none"> 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																															Score increased to 19	<ol style="list-style-type: none"> 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 Specifically monitor blockers through FTIG and PPC bilateral meetings SIT cohorts (was pairings) identify the key PPs (i.e. MVC) for SIT and migration. Progress reported weekly at FTIG. Bilaterals requested by some PPs to discuss

Key	
I	Initial Score
C	Current Score
T	Target Score

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	<ul style="list-style-type: none"> 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

		Key Risks																				Current score movement since last PSG	Mitigation Plan										
Risk ID	Risk Description	Risk Score Assessment																															
		Critical					High					Medium					Low																
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
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.																															Score increased to 25	<ol style="list-style-type: none"> Programme to discuss bilaterally with cohorts to identify viable execution models Participants to raise directly with Programme if stresses blocking issues Programme has reviewed progress and is continuing to have discussions with IPA Retrospective with industry on 29-May identified improvements that will help support testing pace

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 2: SIT Migration Readiness

RAID (3 of 10)
Updated to 03/07/2024

Theme	Summary	Mitigation Approach Overview
SIT Migration Readiness	The theme explores the factors that could impact the Programme being ready to start SIT Migration	<ul style="list-style-type: none"> PP Bilaterals enable ongoing monitoring and will allow the Programme to identify early if there are any PP's that are at risk of being unable to start SIT Migration Discussions with DCC to ensure clarity regarding CSS support for reverse migration activities.

Key Risks																																
Risk ID	Risk Description	Risk Score Assessment																												Current score movement since last PSG	Mitigation Plan	
		Critical						High						Medium						Low												
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3			2
R830	There is a risk that PPs will not be ready to start SIT Migration																														Score remains at 16	1. This has been discussed with specific PPs in their bilaterals and will continue to be monitored closely. SIT Team will look at contingency planning to see if we can accommodate some later entry.
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																														Score increased to 20	<ol style="list-style-type: none"> 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. Programme to monitor, report progress on incomplete Cycle 1 tests until they have been completed – with adjusting actions being taken collaboratively with Participants. 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.

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 3: Risks to SIT Non-Functional and SIT Operational

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	<ul style="list-style-type: none"> 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.

Key Risks																															
Risk ID	Risk Description	Risk Score Assessment																												Current score movement since last PSG	Mitigation Plan
		Critical							High							Medium							Low								
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3		
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																													Score increased to 20	<ol style="list-style-type: none"> Close out and validate the tooling assumptions needing to enable the reposition of document with SITAG
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.																													Score increased to 25	<ol style="list-style-type: none"> Governance route for industry approval of detailed Service Design needs to be agreed between MHHSP and Elexon 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). Software provider selected for ServiceNow implementation- awaiting detailed plan from Elexon to confirm whether timescales for Operational Testing can be achieved.

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

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.	<ul style="list-style-type: none"> 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								
		Critical					High					Medium					Low														
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11			10	9	8	7	6	5	4	3
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																													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.
R332	Suppliers may require maximum amount of time to complete their DBT, resulting in backlog in final waves of Qualification																													Score remains at 15	1. Code Bodies now have view of the participants wave allocation choice from PQS. 2. Initial assessment of Qualification Wave preferences undertaken by PPC. 3. 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.
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																													Score remains at 15	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

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.	<ul style="list-style-type: none"> 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
		Critical						High						Medium						Low											
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3		
R532	There is a risk that SIT participants will need to execute additional Qualification Testing to qualify	Red						Yellow						Green						Light Green						Score increased from 17 to 18 for proximity	<ol style="list-style-type: none"> Code Bodies have sent Batch 2 of test cases. SI Test team have activities agreed to review. Code Bodies have sent set of potential requirement coverage gaps to SI Test team. This will be reviewed once ADO enhanced with traceability automation. 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. 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)	Red						Yellow						Green						Light Green						Score remains at 15	<ol style="list-style-type: none"> 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 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. Code Bodies reporting progress on Qualification activities to MHHSP Programme (inc PSG, QAG and Programme Project Board). Detailed plan being developed by Code Bodies and shared with MHHSP Programme for review. 				
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.	Red						Yellow						Green						Light Green						New item	<ol style="list-style-type: none"> Collaboration between Code Bodies and MHHSP to understand the progress of SIT and any issues which may impact Qualification Waves commencing. 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 				

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk Theme 5: Commencing and completing Migration successfully

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	<ul style="list-style-type: none"> 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																		Current score movement since last PSG	Mitigation Plan												
Risk ID	Risk Description	Risk Score Assessment																															
		Critical			High			Medium			Low																						
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1		
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			C		T													Score remains at 14	<ol style="list-style-type: none"> Large Agents have invested in infrastructure (e.g. IT hardware and operating systems) capable of supporting NFR volumes. Large Agents have operational plans and resources in place to manage migration volumes. Suppliers have commercial contingencies in place to manage performance issues of Large Agents. 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	I													Score remains at 13	<ol style="list-style-type: none"> Licence consultation closed on 13-Mar-24. Await findings to ascertain way forward The Programme's recommendation to Ofgem is that Bulk creation of Export MPANs is not undertaken until MHHS Migration is completed Ofgem have indicated that they agree with the recommendation and are waiting for Ofgem to publish their position
R700	There is a risk that Suppliers and Agents do not complete Qualification in line with their delivery plans or the Qualification approach does not enable effective and efficient qualification. This places pressure on the volumes that needs to be delivered over the remainder of the migration period																															Score has increased to 22	<ol style="list-style-type: none"> 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. Increased flexibility from Code Bodies in wave qualification. Close liaison and reporting required from Qualification team to the Migration Control Centre. Scoring has increased because the current Qualification approach does not obligate PPs to complete qualification within their waves
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																															Score remains at 12	<ol style="list-style-type: none"> SCS advised Performance Testing was completed on 16-Feb and currently awaiting feedback. SCS confirmed their performance testing achieved the Thresholds as per the Thresholds document, this was confirmed on 01-Mar-24. Assessing SIT and QT testing criteria for performance testing Relevant PPs to undertake Performance Testing as part of their PIT
R905	There is a risk that there is insufficient time for Service Activation for SIT MVC PPs between the completion of SIT MVC Qualification and M11																															New item	<ol style="list-style-type: none"> Service Activation workshops are currently underway

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.	<ul style="list-style-type: none"> 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	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12			11	10	9	8	7	6	5	4	3	2
R839	There is a risk that Core Capability Providers will not all be ready to Go-Live by M10																														Score increased to 25	<ol style="list-style-type: none"> Programme assurance of Central Services Readiness activities, key deliverables and requirements identified in the cutover plan. This is dependent on Central Services completing SIT. 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. Participant Cutover Plan expectations to be discussed and risk-based assurance to be carried out on readiness.
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																														Score remains at 10	<ol style="list-style-type: none"> Individual participants fulfilling their objectives in the Data Cleanse Plan. 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																														Score remains at 11	<ol style="list-style-type: none"> 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.																														Score remains at 10	<ol style="list-style-type: none"> Programme to develop participant declaration requirements through TORWG.

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.	<ul style="list-style-type: none"> 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	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13			12	11	10	9	8	7	6	5	4	3	2
R900	There is a risk that there is insufficient time for Service Activation for LDSOs between the completion of LDSO Qualification and M10																														Score remains at 18	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.
R930	There is a risk that SIT will not be completed for the MVC in line with the Programme Plan																														New item	1. LDP implementing SIT Cycle 1 retrospective actions and IPA recommendations. 2. Updated SIT execution planning and bilaterals with SIT participants to challenge and update model 3. Planning to propose MVC at end of SIT Cycle 2 Sprint 2.

Key	
I	Initial Score
C	Current Score
T	Target Score

Risk theme 7: Early Life Risks

RAID (10 of 10)
Updated to 03/07/2024

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).	<ul style="list-style-type: none"> • 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. • 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																												Current score movement since last PSG	Mitigation Plan	
		Critical							High							Medium							Low									
		30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3			2
R828	There is a risk that Suppliers initiate more migrations than planned, or exceed the Threshold volumes																														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, that migration is ramped up too quickly before performance has indicated the number of migrations can be ramped up.																														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)																														Score has increased from 17 to 22	<ol style="list-style-type: none"> 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. Comms to be produced by the PPC Team to outline the Assurance being conducted by Code Bodies. Risk scoring has been re reviewed and increased due to the consumer impact of this risk

Look Ahead – Key Milestones Status at 19-June-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 12/06/24	Current RAG 19/06/24	Forecast RAG 26/06/24	Commentary
T3-TE-0067	QAG	E2E Sandbox Guidance approved	Fri 04/08/23	Fri 18/07/24	SI Test	Red	Red	Green	Draft approach and plan view on Sandbox Guidance was presented and discussed at QWG on the 14th May and was also presented and discussed at QAG on 20 th June and approved. Proposed E2E Sandbox Guidance sign off 18th July QAG
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	Red	Red	30/34 received
T3-TE-0026	SITAG	SIT Non-Functional Testing Test Approach & Plan approved	Wed 15/05/24	Wed 15/05/24	SI Test	Red	Red	Red	Deferred from May SITAG Approval. Phase 1 tooling under investigation
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	27/34 received
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 received
T3-TE-0080	SITAG	Cycle 2 - PP's confirmation that test data is ready for SIT Functional	Fri 31/05/24	Fri 14/06/24	SI Test Data	Red	Blue	Grey	
T3-TE-0038	SITAG	SIT Migration Testing Start	Mon 10/06/24	Mon 17/06/24	SI Test	Red	Blue	Grey	
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	Green	Red	Red	17/34 received
T3-QU-0110	QAG (Non-SIT LDSO)	QAG Approval for Operational, Non-Functional & Migration Annexes of Approach & Plan	Fri 14/06/24	Thu 18/07/24	Code Bodies	Red	Red	Green	Date missed because needed to align to S and A QA and P. To go to June 20 th QAG for baseline date change
T3-QU-0075	QAG (Non-SIT LDSO)	PIT Test Approach & Plan Deadline for Submission for Non-SIT LDSO QT	Fri 14/06/24	Mon 01/07/24	Non-SIT LDSO	Red	Red	Red	Missed date because additional time requested by PPs
T3-QU-0112	QAG (Non-SIT LDSO)	Test Data Cut Complete	Mon 17/06/24	Mon 17/06/24	PP, Non-SIT LDSO	Green	Blue	Grey	
T3-TE-0092	SITAG	Environment Approach and Plan - SIT Non Functional	Wed 19/06/24	Wed 19/06/24	SI Test	Green	Blue	Grey	Approved at SITAG on 19/6/24

Look Ahead – Key Milestones Status at 19-June-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 12/06/24	Current RAG 19/06/24	Forecast RAG 26/06/24	Commentary
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 1	Wed 19/06/24	Wed 19/06/24	SI Test	Yellow	Red	Red	Date missed as deferred whilst NF SIT Phase 1 Assumptions are validated
T3-QU-0077	QAG (Non-SIT LDSO)	PP Test Scope Approved at QAG	Thu 20/06/24	Thu 18/07/24	Non-SIT LDSO	Red	Red	Green	To go to 20/6 QAG for date change and name change to PP Test Scope presented at QAG. Date missed because update to S and A QA and P
T3-DB-0183	SITAG	DIP Simulator uplifted to align with Interim Release 8	Fri 21/06/24	Fri 21/06/24	SI DevOps	Green	Green	Blue	
T3-QU-0012	QAG	Confirmation of participant Qualification Wave allocation	Fri 28/06/24	Fri 28/06/24	Code Bodies	Green	Green	Green	
T3-DB-0152	SITAG	SIT Non-Functional Test approach and plan MHHS Review Completed	Thu 04/07/24	Thu 04/07/24	SI Test	Yellow	Yellow	Yellow	At risk because not all test approach and plans received on time
T3-DB-0161	SITAG	SIT Operational PIT RTTM submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	Green	Green	Green	
T3-DB-0163	SITAG	SIT Operational PIT test scenarios submitted to Programme for assurance	Thu 04/07/24	Thu 04/07/24	PP	Green	Green	Green	
T3-DB-0154	SITAG	SIT Non-Functional RTTM MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Yellow	Yellow	Yellow	At risk due to late delivery of RTTMs
T3-DB-0156	SITAG	SIT Non-Functional Test scenarios MHHS Review Completed	Thu 11/07/24	Thu 11/07/24	SI Test	Yellow	Yellow	Yellow	At risk due to late delivery of PIT Test Scenarios
T3-TE-0120	SITAG	Environment Approach and Plan - S and A Testing	Wed 17/07/24	Wed 17/07/24	SI Test	Green	Blue	Grey	Approved at SITAG on 19/6/24
T3-TE-0115	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 2	Wed 17/07/24	Wed 17/07/24	SI Test	Yellow	Yellow	Yellow	At risk because deferment of NF test approach and plan
T3-TE-0114	SITAG	SIT NFT Scenarios & Test Cases Approved - Theme 3	Wed 17/07/24	Wed 17/07/24	SI Test	Yellow	Yellow	Yellow	At risk because deferment of NF test approach and plan

Look Ahead – Key Milestones Status at 19-June-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 12/06/24	Current RAG 19/06/24	Forecast RAG 26/06/24	Commentary
T3-TE-0117	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 1	Wed 17/07/24	Wed 17/07/24	SI Test				
T3-TE-0118	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 2	Wed 17/07/24	Wed 17/07/24	SI Test				
T3-QU-0111	QAG (Non-SIT LDSO)	Agree Test Execution Timetable Format at QAG, Including Anonymisation Requirements	Thu 18/07/24	Thu 18/07/24	Code Bodies				
T3-QU-0071	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Non-Functional - Approved at QAG	Thu 18/07/24	Thu 18/07/24	Non-SIT LDSO				
T3-QU-0073	QAG (Non-SIT LDSO)	Test Scenarios & Cases - Operational - Approved at QAG	Thu 18/07/24	Thu 18/07/24	Non-SIT LDSO				
T3-QU-0081	QAG	QAG Approval of Qualification Approach and Plan v3	Thu 18/07/24	Thu 22/08/24	Code Bodies				Late because of delay to approval of SIT Non Functional approach. Re-planned to align to v4. To go to 20 June 2024 QAG for baseline date change
T3-QU-0091	QAG	QAG Approval of QT Test Data Approach and Plan	Thu 18/07/24	Thu 18/07/24	Non-SIT S&A QT Test Team				
TBC	QAG	QAG Approval of QT Migration Test Scenarios and Test Cases Batches 1	Thu 18/07/24	Thu 18/07/24					Proposed new milestone to go to 20/6 QAG. To go to 20 June 2024 QAG for baseline date change
T3-QU-0114	QAG (Non-SIT LDSO)	Test Plan Submission to MHHS Programme For Review	Fri 26/07/24	Fri 26/07/24	LDSO				
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				
T3-QU-0065	QAG	Non-Functional Testing elements of Qualification Approach and Plan v3 approved by REC PAB and BSC PAB	Tue 30/07/24	Thu 29/08/24	Code Bodies				Late because of delay to approval of SIT Non Functional approach. Re-planned to align to v4. To go to 20 June 2024 QAG for baseline date change

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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Look Ahead – Key Milestones Status at 19-June-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 12/06/24	Current RAG 19/06/24	Forecast RAG 26/06/24	Commentary
T3-MI-0033	MCAG	MCAG Approval of Early Life Support Model	Tue 30/07/24	Tue 30/07/24	SI Transition				Late based on input required from Code-Bodies - further update will be given when further discussions have been had with the Code Bodies
T3-DB-0157	SITAG	SIT Non-Functional PIT Completion Report submitted to Programme for assurance	Fri 02/08/24	Fri 02/08/24	PP				
T3-MI-0017	MCAG	Migration Processes & Procedures approved	Fri 02/08/24	Fri 02/08/24	SRO				
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				
T3-DB-0160	SITAG	SIT Operational Test approach and plan MHHS Review Completed	Thu 08/08/24	Thu 08/08/24	SI Test				At risk due to potential late delivery of Test Approach and Plans
T3-QU-0008	QAG (Non-SIT LDSO)	Qualification Testing for Non-SIT LDSOs (Functional, Migration, NFT, Operational) Test Execution Schedule Approved	Thu 15/08/24	Thu 15/08/24	Non-SIT LDSO				
T3-DB-0162	SITAG	SIT Operational RTTM MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test				
T3-DB-0164	SITAG	SIT Operational Test scenarios MHHS Review Completed	Thu 15/08/24	Thu 15/08/24	SI Test				
T3-DB-0158	SITAG	SIT Non-Functional PIT Completion Report MHHS Review Completed	Fri 16/08/24	Fri 16/08/24	SI Test				
T3-MI-0024	MCAG	DCC to extract ESME ID and share with LDSO	Fri 16/08/24	Fri 16/08/24	DCC/SI				
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				
T3-TE-0093	SITAG	Environment Approach and Plan - Sandbox	Wed 21/08/24	Wed 21/08/24	SI Test				Approved at SITAG on 19/6/24
T3-TE-0114	SITAG	SIT Operational Scenarios & Test Cases Approved - Theme 3	Wed 21/08/24	Wed 21/08/24	SI Test				
T3-QU-0082	QAG	QAG Approval of Qualification Approach and Plan v4	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	CSS & SMRS Simulators Released	Fri 23/08/24	Fri 23/08/24	SI DevOps				

Look Ahead – Key Milestones Status at 19-June-24 (5)

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 12/06/24	Current RAG 19/06/24	Forecast RAG 26/06/24	Commentary
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				At risk because deferment of NF test approach and plan
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-0068	QAG	Operational Testing elements of Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				
T3-QU-0062	QAG	Final Qualification Approach & Plan v4 approved by REC PAB & BSC PAB	Thu 29/08/24	Thu 29/08/24	Code Bodies				
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				

Ref.	Key Detail	Change Raiser(s)	Change Type	Latest Action	Approval Status	Current Stage in Change Control	Action <i>If approved</i>	Implementation date/milestone	Change Owner(s) <i>If approved</i>
CR045	Supply Start Date (SSD) Correction Tool	Sean Cooper, MHHS Programme on behalf of SCS	Full Impact Assessment	Awaiting PSG decision on implementation (following PPIR)	Open	Approval decision			Paul Pettitt, MHHS Programme
CR050	Amendments to the MHHS Change Control Approach and Form	Immy Syms, MHHS Programme	Full Impact Assessment	Awaiting Ofgem decision	Open	Approval decision			
CR051	Deferral of MHSSP-037	Tom Paterson, Elexon	Full Impact Assessment	Validated by Change Board for Impact Assessment	Open	Impact Assessment			
CR052	Amending the 'M7 SCR powers enabled' Milestone	Andy MacFaul, Ofgem	Full Impact Assessment	Awaiting Change Board validation	Open	Awaiting validation			

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](#)

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)

SIT Stage Statuses (20-Jun-24)

Test Stage	RAG	Comment
CIT		SITAG approved the CIT completion report 11-Mar-24
Functional		Cycle 2 started 18-Jun, noting SCS readiness impaired progress on day 1 Cycle 2 DITL changes socialised Settlement DITL socialised Cycle 2 Sprint Planning in flight
Migration		SIT Migration start delayed 1 week to 17-Jun (subject to SITAG Approval) All Cohorts (except Cohort C) planned to commence testing Sprint 1 and Sprint 2 content loaded in ADO
Non-Functional		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 requires validation against Tooling Assumptions Phase 2 Tooling assumptions now verified with industry Test Scenarios & Test Cases: Theme 1 – Deferred from SITAG Approval 19-Jun Theme 2 – Forecast for SITAG Approval 17-Jul Theme 3 – Forecast for SITAG Approval 17-Jul
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 – Forecast for SITAG Approval 17-Jul Theme 2 – Forecast for SITAG Approval 17-Jul Theme 3 – Forecast for SITAG Approval 21-Aug

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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook	<p>Progress last month:</p> <p>Helix Solution</p> <ul style="list-style-type: none"> PIT testing, data and environment provisioning to support SIT Cycle 2 readiness completed. Commenced SIT Cycle 2 support on 18th June. <p>Business Readiness</p> <ul style="list-style-type: none"> Resolved approach to MHHS Governance and DIP Transition. Progressed business operating model and organisation chart for M10. Completed Service Definition Document (SDD). <p>Assurance & Qualification</p> <ul style="list-style-type: none"> Continued detailed planning of Qualification wave allocations. Continue development sprints of the Qualification Testing Framework (QTF). 	<p>Progress expected in the coming month:</p> <p>Helix Solution</p> <ul style="list-style-type: none"> Support MHHS Programme with Helix defect resolution through SIT Cycle 2. Complete IR8 build related capability. <p>Business Readiness</p> <ul style="list-style-type: none"> Finalise the business operating model and organisation chart for M10. Update planning across all elements of Service Design and Transition. SIT Operational planning to commence on receipt of requirements from MHHS. <p>Assurance and Qualification</p> <ul style="list-style-type: none"> Advising participants of Qualification Wave allocation. Non-functional and operation updates to Qualification Approach and Plan and Qualification Assessment Document.
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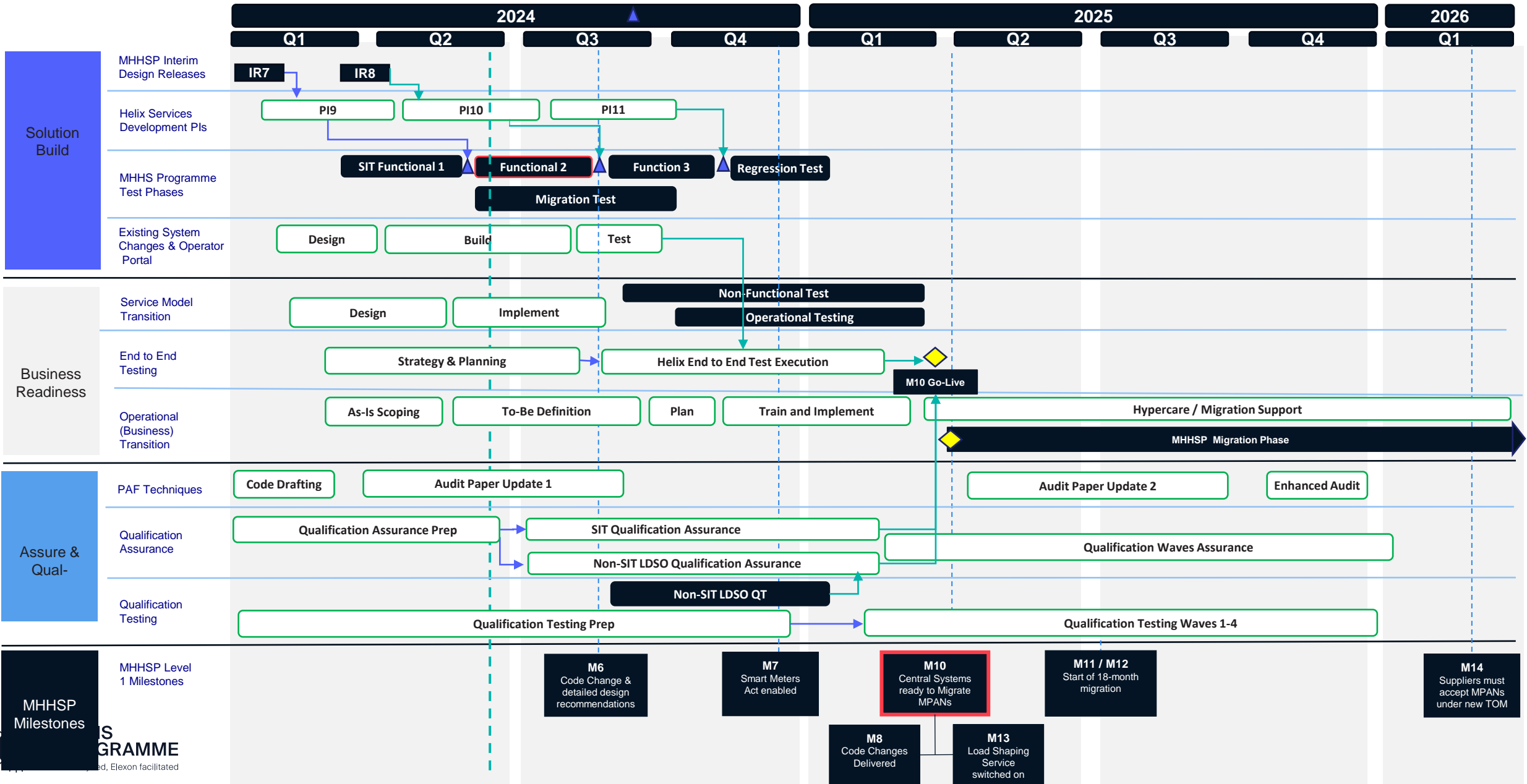
Party Milestones & Deliverables	Plan Date	RAG
QT functional test scenarios approval	23/05/24	Complete
Complete Business Change Impact Assessment	31/05/24	Complete
Target second code release for SIT to cover SIT phase 2 requirements	31/05/24	Complete
Qualification Approach & Plan Approval	31/05/24	Complete
Publish Service Definition Document	10/06/24	Complete
Confirmation of participant Qualification Wave allocation	28/06/24	
Clarification of Shared Early Life Support and Migration workstream	30/06/24	
Resolution of SWG concerns for Service Activation	30/06/24	
IR8 Build development complete	16/07/24	
Agree Source Data changes with MHHS for SIT Cycle 3	26/07/24	
Service Design walkthrough at TORWG	02/07/24	

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. Update: We are continuing to see changes from MHHSP to Helix/participants.	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. The change freeze is not effectively slowing down the pace of change from MHHSP and trending upwards. This remains a concern. Update: Mitigations are ongoing, the Helix team are currently assessing the impact of release 8.1 which contains further design changes.	Ongoing
Elexon will implement ServiceNow as it's core ITSM tool ahead of M10. There is a risk that if delivery targets slip this will impact business readiness for operational testing.	Risk	Elexon now have a committed plan with a supporting delivery partner SoW for completion of all elements of SNOW by Q4, 2024. We are progressing to required milestones with service definition refinement. End to end delivery plan has been prepared.	31/07/24
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.	31/07/24
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.	31/07/24

MHHS - Monthly Delivery Report (Helix)

HELIX

MHSP



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook

Progress last month:

- IR7.3 PIT test execution completed in line with schedule
- Releases deployed to both SIT environments in readiness for Functional SIT Cycle 2, Migration & Settlement Testing
- Defect triage and remediation, Market Participant support as needed
- SIT Support & Change Backlog
 - Two SIT environments handed over following uplift to IR7.3
 - Continued analysis and optimization of DIP for baseline performance testing and implications for high availability
 - Work on the static secondary routing for invalid MPAN
 - Progressing on Removal of Dependency on DIP Models (Payload) from Addressing
 - Work Progressed on M16/45 DIP ID Assignment
 - Prepared DIP-D37 PIT Test Completion Report and DIP-D39 PIT Defect Work Off plan for IR7.3

Progress expected in the coming month:

- Overall (SIT): continue to support, monitor progress of testing for Functional SIT Cycle 2, Migration & Settlement Testing
- Continue to work on bug triage and fixing for SIT support, as needed
- Complete development of IR8.1 scope items to align with Programme's Functional SIT Cycle 3 timeline
- SIT Support & Change Backlog
 - Releases into SIT (weekly/per need) to address open defects from SIT
 - Preparations for Non-Functional PIT
 - Complete Strategic Circuit Breaker development
 - Complete M16/45 DIP ID Assignment
 - Implement Recipient Hash Cache functionality
 - Create new DIP IDs / DIP Roles using ISD data
 - Test Preparation for IR8.1 scope items

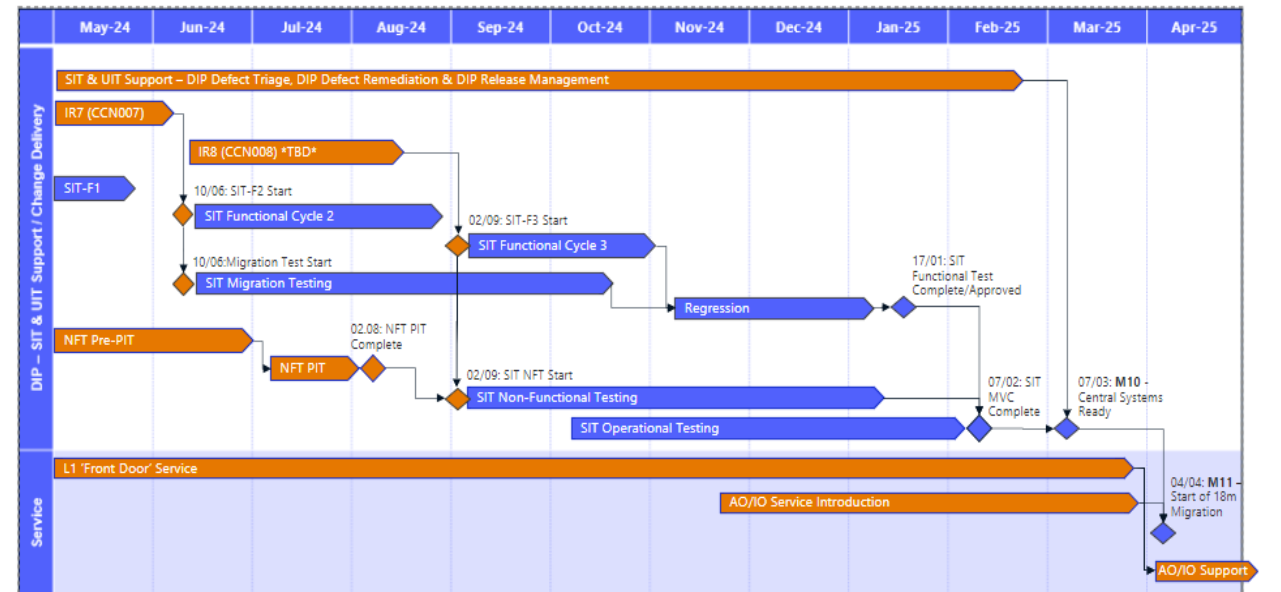
Party Milestones & Deliverables	Original Date	Forecast date & RAG
DIP 4c (IR7) – Final build	24/05/24	Complete
Functional SIT - Cycle 2	10/06/24	Complete
DIP 5 – Migration / Transition	20/09/24	21/02/25
DIP 6 – Hypercare	20/09/24	21/03/25

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
Volumetrics – Intra-day Profiling – Additional solution cost	DIP SP aware of multiple changes/requests re volumetrics SRO provided view of intra-day profiles Impact Assessment by DIP SP will follow baseline performance testing	05/07/2024	Smitha Pichrikat (Paul Daniels)
Non-Functional Testing - Invalid or Unstated Assumptions & Dependencies	Clear definition of requirements of DIP SP to support programme non-functional testing. Impact assessment by DIP SP	05/07/2024	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 1 st May	26.07.2024	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

DIP Delivery - Alignment to Programme Testing & M10/M11 – POAP (Simplified - excludes Non-SIT LDSO, Qualification, Environments)



Key: ◆ DIP Service Provider Led ◆ MHHS Programme Led



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers	
Status & Outlook	Progress this Month: <ul style="list-style-type: none"> Completed Test execution of SIT Cycle 1 Continued UAT testing of sprints 5, 6, 7 and 8 MPRS code Completed Migration PIT for CoSP and Submitted Migration PIT Completion Report Started Migration PIT execution for COS Completed the preparation for Migration SIT (CoSP) Completed Data loads for FSIT cycle 2, Migration SIT and Settlements SIT Started SIT Functional Cycle 2 Started Migration SIT Provided environment for Settlements SIT 			Progress expected in the coming month: <ul style="list-style-type: none"> Support Functional SIT execution for Cycle 2 Support Migration SIT execution Support Settlements SIT Continue UAT testing of sprints 5, 6, 7 and 8 MPRS code Complete Migration PIT test execution for COS Test preparation for Migration PIT for Reverse Migration Start Test execution for PIT Reverse migration Continue testing of Data Cleansing PIRs 			Party Milestones & Deliverables	Original or Baseline Date	Forecast date & RAG
	MPRS ready for Migration SIT – CoSP	01-06-24	10-06-24						
	MPRS ready for Migration SIT – CoS	01-06-24	08-07-24						
	MPRS ready for Migration SIT – Reverse	01-06-24	27-07-24						
	SIT Cycle 2 Completed	16-08-24	16-08-24						
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		Update - 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 are funding an increase in the size of the MPRS test team, quadrupling the size of the test team since the plan was baselined (CR022).					Q2 2024	Programme	
STCI14 – ISSUE - The Elexon/Ofgem Reporting requirements are not clarified in time to be developed and tested for M10		Update - Programme has asked for this issue to be closed on email dated 24/5. Waiting for code bodies to respond to SCS. Existing industry reporting (to BSC/ Authority) provided by MPRS will need modifying to meet the changes implemented in MHHS. After M10, existing reports will become increasingly invalid and will not reflect the correct state of the electricity market if not modified. Reporting requirements have not been defined in the programme design. This Risk was moved to an Issue 01/05 as it is expected that there is insufficient time to develop before M10.					Q2 2024	Programme	
STCR63 – RISK - There is a risk that 9 days is insufficient time to load the augmented data for SIT Functional Cycle 2 and Migration		This Risk became an issue, has since been closed and been captured in STCI11 above. Data can only be loaded during the maintenance window. Data quality issues may prevent loading of the data within this window causing delays to start of both Migration SIT and Functional SIT Cycle 2. (Programme Risk no R895)					20/05/2024	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 – 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. Efficiencies to be sought in the execution and support of Functional SIT. 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.					10/06/2024	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					Through 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	

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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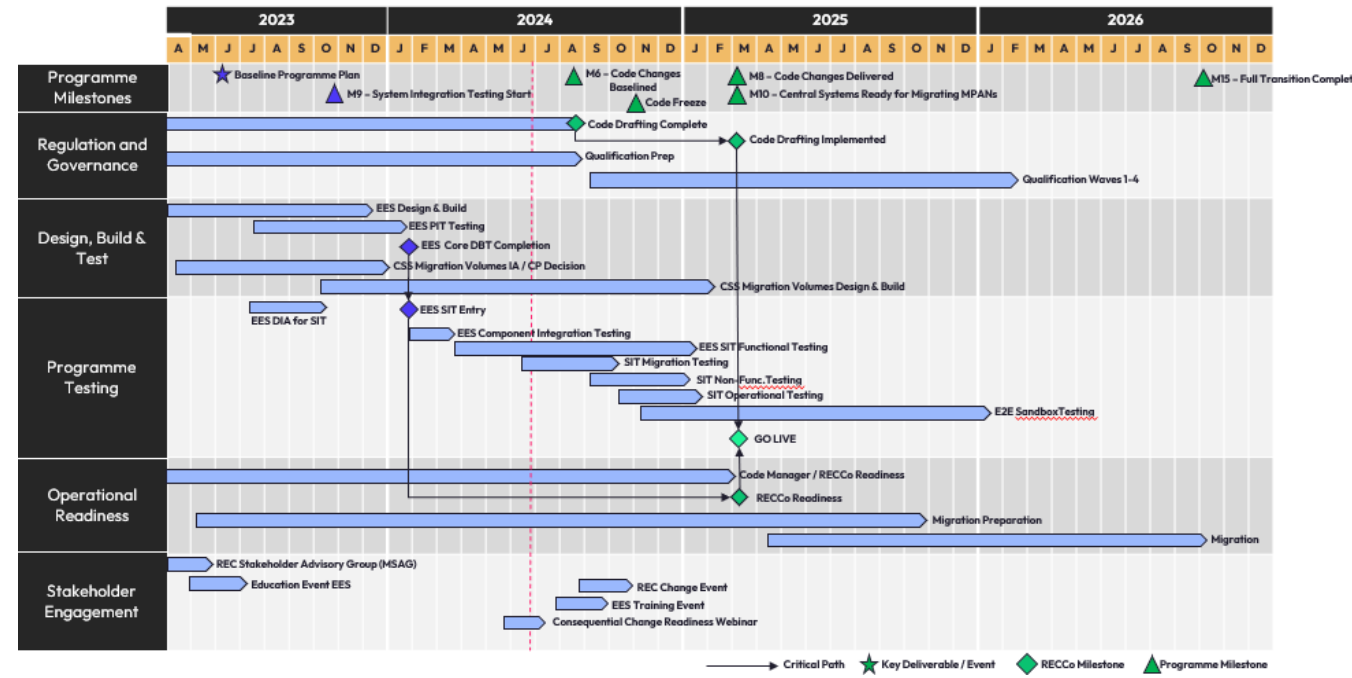
Status & Outlook	<p>Progress last month:</p> <ul style="list-style-type: none"> EES entered successfully into SIT Functional Cycle 2, SIT Migration and SIT Settlement . M6 Code Drafting on track for publication on 24 June. Programme Risk R0920 raised on alignment between Swagger and DES138 leading to differences between programme design and code drafting. Non-SIT Supplier and Agent Wave allocation on track to be issued to individual parties in w/c 24 June. REC Qualification Assessment Criteria updated to cover Operational requirements and sent to REC PAB for approval Qualification requirements exemption policy developed with Elexon and BSC/REC PABs and endorsed by QAG. 	<p>Progress expected in the coming month:</p> <ul style="list-style-type: none"> EES to continue to progress through SIT Functional Cycle 2, SIT Migration and SIT Functional Settlement Testing. Publish M6 code drafting consultation for 24 June. Engage with Programme on alignment risk between DES138 (used for Code Drafting) and Swaggar and dependency on IR8.1. Fortnightly planning sessions continue with Ofgem and Programme to agree SCR approach for M7 and M8. Publish QA&P v3 and Annex 2v2 consultation (non-functional update). Approval likely to shift from end July to end Aug given current uncertainty on SIT Non-Functional A&P. Continue to follow up with non-SIT Suppliers and Agents on PQS submissions (inc. those that have not submitted). Qualification Wave allocation provided to non-SIT S&A end June.
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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

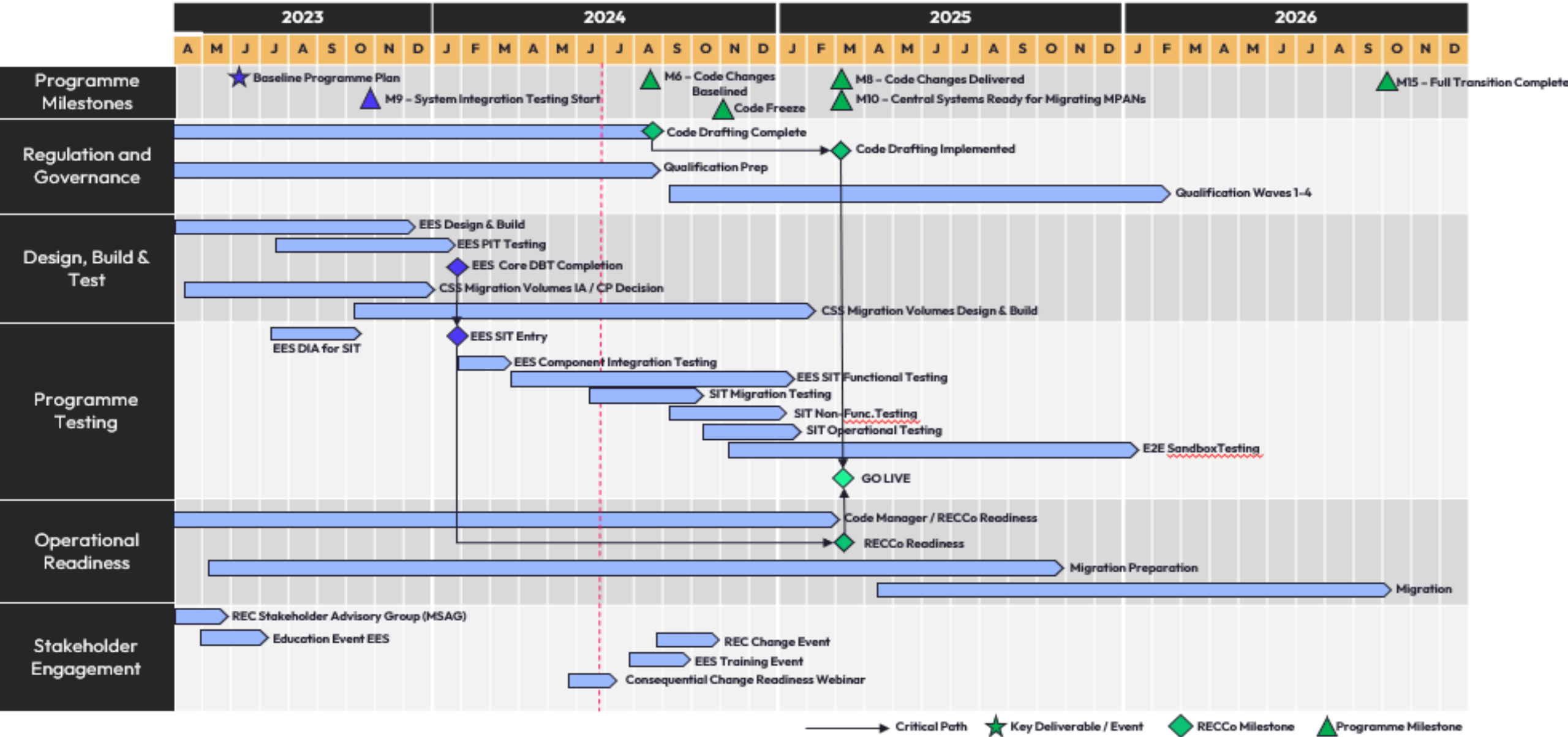
Decisions required	From whom?	By when?
None		

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.	19/07/2024 (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.	Assurance requested from Programme that Swagger and DES138 aligned, and any discrepancies recorded so that can be assessed for materiality with required changed made in IR8.1. RED as Programme response not received.	12/06/24 (linked to IR8.1 release)	Andrew Wallace

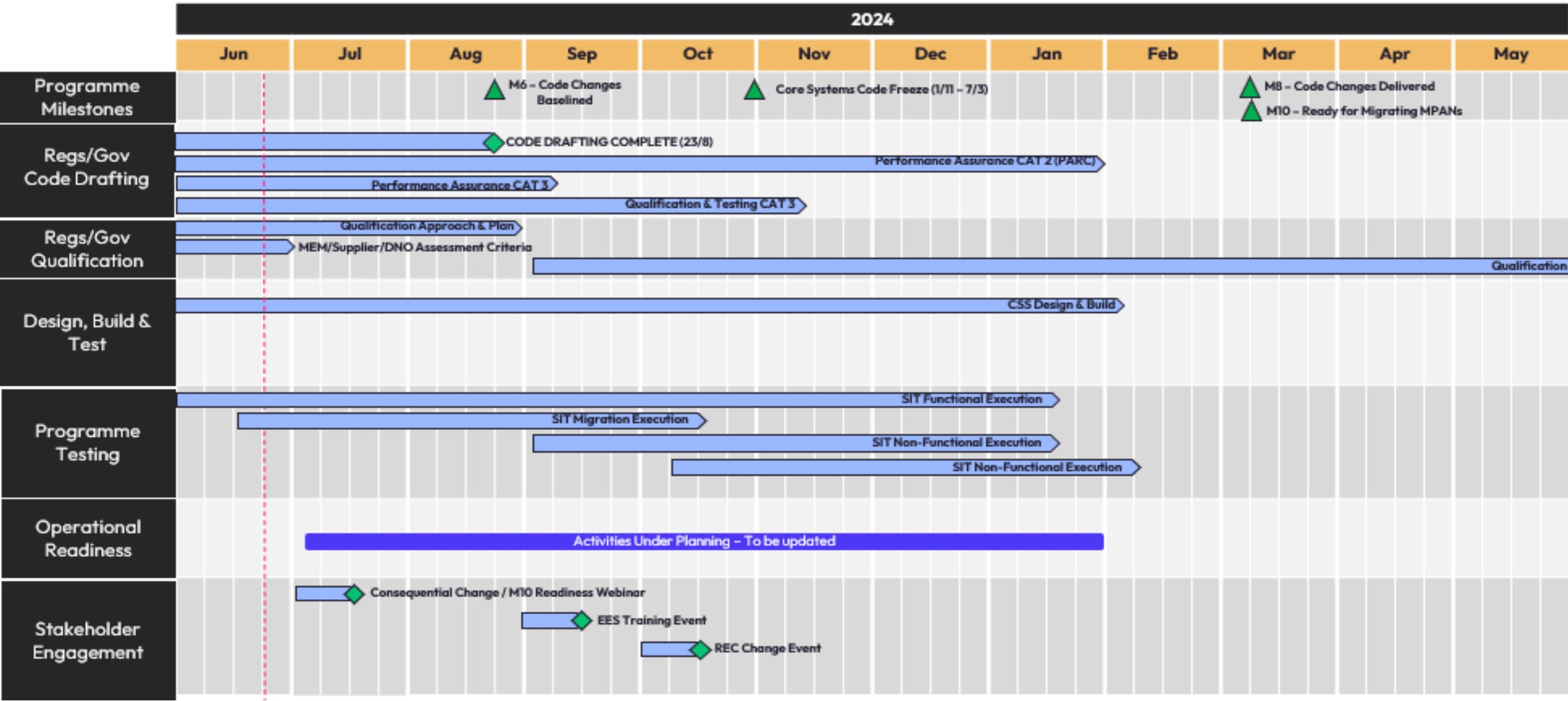
Dependency & RAG	Managing action required	Date for action to be resolved	Action Owner
Programme SIT Artefacts for provision of equivalent Qualification documents and confirming if Code Bodies need to undertake any additional qualification activity for SIT parties.	SIT Non-Functional Approach and Plan 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.	19/07/2024 (SIT Operational Test Scenarios approved)	Jonny Moore



→ Critical Path ★ Key Deliverable / Event ◆ RECCo Milestone ▲ Programme Milestone



→ Critical Path ★ Key Deliverable / Event ◆ RECCo Milestone ▲ Programme Milestone



RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
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Status & Outlook

Progress last month:

REC

- R0044 Systems Integrated testing completed
- R0093 (Legal text now deployed) – Capacity uplift/Performance requirements being finalized.
- REC CSS Capacity further costs shared with RECCo
- SEC - MP162 (MDR Role) OPSG approval gained, Elexon SIT functional testing continuing

Capacity

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

New Requirements

- Second Test Data Extract (4k MPAN's) delivered to MHHS Programme
- SIT Functional Testing – No concerns with DCC support for testing. Analysis of test evidence capacity demonstrates capacity for c.25-30 evidenced tests pd. Working with programme on increasing the efficiency of testing through reducing re-tests.
- Approach towards mitigation of the Migration Thresholds breach risk under review with Migration Delivery team – this is a high priority Risk for DCC given the potential impact on CSS/Switching. DCC Regulatory/Legal teams inputting to programme. Performance Testing to be scheduled with CSS to quantify risk/support NFT assurance.

Progress expected in the coming month:

- REC - R0044 Production deployment
- SEC - MP162 Production deployment
- Capacity – Planning near completion to support 2024 delivery of uplift
- REC CSS Capacity refined costs to be confirmed with RECCo
- Bilateral meetings with Elexon covering Service Design – 2nd Session
- Continued SIT FT Support
- Completion of Test Meter Set-up to support consumption tests in SIT Cycle 2

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 24/25	June 24/25
R0093	2025	April 2025

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

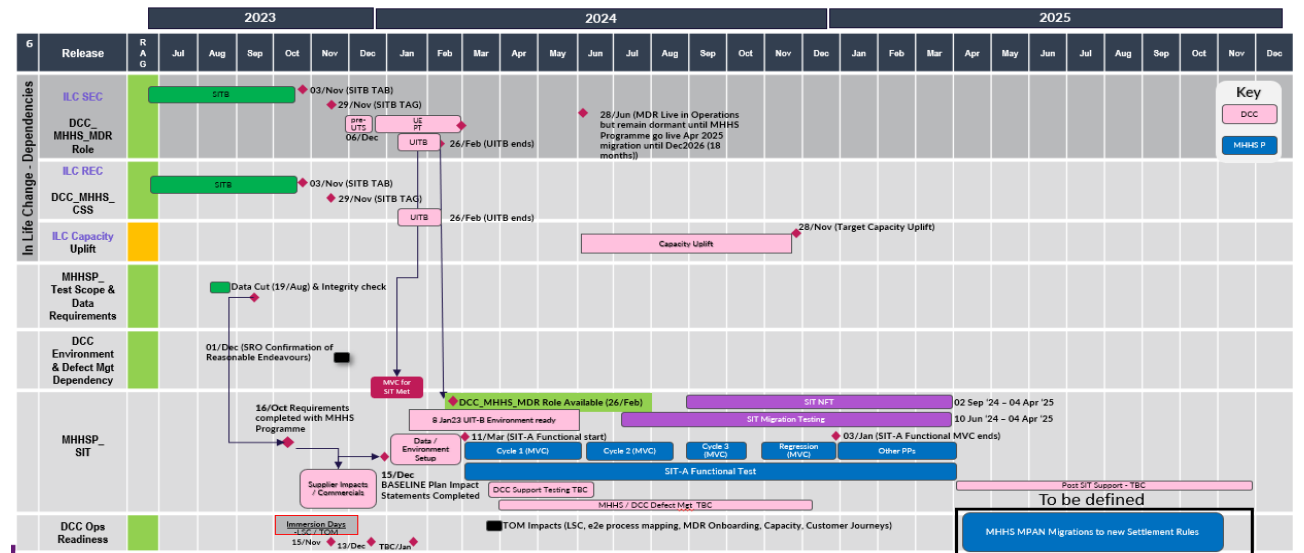
Top Risks and or Issues (See detail on page 2)

Migration Threshold Breach Risk – mitigations required for the operational & system risk to CSS of participants breaching the 300k Peak-of-Peaks.

Mitigation: DCC will work 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.

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 (DCC)

Core capability provider
DCC

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 will work 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 18 th detailing the assumptions on which DCC has built the capacity which will be available at MHHS implementation.	DCC/MHHS Programme	Capacity
5	To date, a limited number of tests have been progressed in SIT which require DCC evidence. If this testing is conducted in a concentrated period, there is a risk that DCC cannot support at the volume required, as resources were necessarily estimated on a consistent basis across the testing period	Low	Engagement via SITAG/FTIG & Bilaterals. Analysis, based on limited testing to date, shows that DCC could manage c.25-30 tests per day requiring evidence production – still allowing for resolution of queries/issues etc. This number could vary with test requiring greater evidence. Reduced evidence requirements from MHHSP, timing of evidence production to reduce re-testing & more directive testing in Cyle 2 have further mitigated risk.	DCC/MHHS Programme	Test Support

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers
Status Update	<p>ElectraLink updates for June PSG:</p> <ul style="list-style-type: none"> Supporting MHHS participants in setting up test routes 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. 						<p>Milestones and Deliverables:</p> <ul style="list-style-type: none"> 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

RAGs	Overall	Approach	Plan	Resources	Budget	Risk	Stakeholders	Suppliers			
DNOs Status & Outlook	Progress since last month SIT Participant <ul style="list-style-type: none"> Deployed LDSO/UMSO/REG application releases to SITA & SITB. Loaded the Programme augmented test data for LDSO & UMSO systems for SITA & SITB. Implemented new Swim-SOAK DIP Adapter & offboarded ElectraLink adapter service. Started Measurement class C and E connection type data cleanse activities. Non-SIT <ul style="list-style-type: none"> Detailed design, build and test of impacted 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 activities. NFR working group session on 24 May & 6 June for SIT and Qualification (final one 19 June). 		Expected key activities next month SIT Participant <ul style="list-style-type: none"> Commence SIT Functional Cycle 2, SIT Migration and Settlements testing. Clarification of PIT & SIT Non-Functional requirements, including tooling. Continue Measurement class C and E connection type data cleanse. Non-SIT <ul style="list-style-type: none"> Detailed design, build and test of impacted 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 activities. 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. Respond to CR045: Supply Start Date (SSD) Correction Tool. Respond to Ofgem PPIR: Implementation and operation costs under the new MHHS arrangements. 		DNO Key Deliverables & Activities DNO System Integration Testing (SIT) Participants			Latest Status		Due Date & RAG	Relevant Programme Milestone(s)
	PIT for SIT Non-Functional			Requirements remain unclear. Engaged with SI to rectify.			30/06/24	M10			
	SIT FSIT Cycle 2 & Sit Migration			Cycle 2 start delayed due to readiness issues amongst participants.			19/06/24	M10			
	SIT Settlements Testing			Delayed smoke testing commenced 17/06/24			17/06/24	M10			
	Non-SIT LDSO Qualification Testing										
	PIT RTTM (Functional and Migration) submission			Submitted			03/06				
	PIT Test Approach and Plan (Non-Functional) submission			Awaiting clarification of Non-Functional requirements from MHHS programme			19/06	T3-QU-0075			
	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 <ul style="list-style-type: none"> PIT for SIT Non-Functional. Clarification on requirements needed from Programme SI. Non-SIT LDSOs requesting information re Placing Reliance on SSEN. SSEN currently unable to provide any definite responses due to lack of NFT detail. NFR - Greater understanding of expectations on LDSOs in respect of NFR testing in SIT and Qualification – It is noted that there is a final workshop (2 already taken place) planned for 19 June. Require confirmation of dates and ownership of implementation of critical CR's post M10 and Pre-ELS Exit (Not currently urgent but will require escalation/ confirmation as we approach M10). Qualification – Timely feedback on Placing Reliance & PIT Plan & Approach plans from program and code bodies 					To Whom		Required Resolution Date	Owner		
						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)
	Lack of detailed requirements/expectations/outcomes on PIT for SIT Non-Functional testing.		Mitigation: Liaising with SI. Awaiting Non-Functional Test cases due to be published 16/05/24. Impact: Impedes SSEN's ability to be ready for start of NFT. Prevents SSEN from giving definite answers to other DNO's re Placing Reliance statements.		Programme SI (David O'Riordan)	Start NFT T3-QU-0075	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	
	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. Impact: SSEN not ready to undertake PIT for SIT NFT in July. Other DNO's might need to develop their own tools to volume test within their own environments.		Programme SI (Richard Puddephatt/ Cesar Lopez)	Start PIT for NFT	SIT completion occurs on schedule	Non-SIT LDSO PIT / Non-SIT LDSO Qualification	Non-SIT LDSO PIT relies upon having stable release versions of MPRS, Durabill and DIP adapter applications which have completed SIT. SIT testing is beyond the scope/control of Non-SIT LDSO parties.	Non-SIT LDSO; St Clements; C&C Group	T3-QU-0076

	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	SIT testing of MPRS (incl Migration), Durabill and DIP Adapter does not complete in time for parties to complete their own PIT Functional and Migration testing and evidencing required for Qualification Testing (30/08)	n/a outside of party control. Monitor programme SIT progress.	MHHS		Availability of core software products MPRS,UMSO, DUoS etc aligning with IR8 to complete PIT, Regression prior to NON-SIT LDSO QT	Service Provider	Program guideline provides flexibility for parties to complete PIT aligning with minimum of IR7.3 for QT and then complete aligning with IR8 prior to or during QT execution based on product availability.	Programme St Clements UMSO provider	
	Code release containing DB interfaces may not be available from St Clements in time for DNOs to complete PIT testing (30/08). Release is likely dependent upon level of SIT activity required from St Clements	Monitor release progress. Caveat PIT execution if required.	St Clements / ENWL		Dependency	Migration	Program reducing the complexity in reverse migration process to enable timelines to be met		M10
	Potential Qualification Testing requirement for data conditioning e.g. Change of Supplier activity prior to migration causes delays to Qualification (based on significant issues encountered with SIT data conditioning)	Recommendation made to the programme to use existing DNO data and for the programme to condition data at their end. Qualification does not involve any other parties so simplest option.	MHHS		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
	Scope of NFR Testing is unclear	Unable to prove impacted systems can meet the required NFRs.	MHHS Programme	M10	Assumptions	Settlements	Program will support solutioning for settlements CR044 and provide timely response based on consultation feedback		M10
	Issues identified during SIT result in delays to Programme milestones.	Ability to place reliance on SIT.	MHHS Programme	Qualification/ M10					
	The Reverse Migration Solution is too complex to enable Core Capability Providers to Achieve Testing & M10.	Migration phase is delayed.	MHHS Programme	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					
	Data Cleanse activities may take longer than expected timelines.	Failed migration and/ or extended timelines and/ or poor quality data	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 provide decision on CR019	Programme/ Participants						

RAGs	Overall	Approach	Plan	Resources	Budget	Risk					
DNOs Status & Outlook	Progress since last month SIT Participant <ul style="list-style-type: none"> Submitted relevant documentation for PIT completion and SIT Cycle 2 start. Commenced SIT Cycle 2. Agreed the approach for standardised LLF IDs. Non-SIT Participants. <ul style="list-style-type: none"> Submitted RTTM for PIT - Functional and migration. Made data cut. Submitted PIT Approach and Plan for Non-Functional and Operational in association with service provider – with emphasis on Placing Reliance. Closed off issue with Op Readiness with regards assigning CTIs to MC A MPANs. Placing Reliance forms updated and re-submitted, where relevant. 		Expected key activities next month SIT Participant <ul style="list-style-type: none"> Review Settlement Testing Scenarios, when published. Begin preparation for user testing activities. Elicit requirements regarding Annual Consumption Data. Complete ESME ID data work. Non-SIT Participants <ul style="list-style-type: none"> Respond to CR045. Submit Qualification test plan. Gain further clarification regarding Non-Functional Requirements. Liaise with Service Provider on all Qualification preparations. Submit Draft Non-Functional and Operational PIT Approach and Plan. 		DNO Key Deliverables & Activities IDNO System Integration Testing (SIT) Participants		Latest Status		Due Date & RAG	Relevant Programme Milestone(s)	
					Preparation for SIT Non-Functional		Ontrack but full requirements unclear at this time		02.09.24	SIT Non-Functional	
					Non-SIT LDSO Qualification Testing						
					RTTM for PIT		Submitted		03.06.24	Non-SIT LDSO Testing milestone	
					Qualification test plan		On track		28.06.24	Non-SIT LDSO Testing milestone	
					Working with third party tech provider on PIT stage completion for QT readiness.		On track		01.10.24	Continued M9	
					Non-SIT LDSOs testing start (Functional / Migration / NFT / Ops)		Attending the IDNO forum – Moving forward placing reliance and attend MHHS: Non-SIT LDSO Qualification Testing Sub-Group (LQTSA)		02.07.24	Continued M9	
				M10 - readiness to support migration start, including Registration Services. Network Operators and UMSOs		Progress for M10 looks positive but still some preparation to undertake.		07.05.24	M10		
Escalations	Escalations / Priority Actions						To Whom		Required Resolution Date	Owner	
	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)
	Clarification on Non-Functional Requirements including volume of testing requirements (eg unrealistic UMSO requirements based on actual UMSO portfolios)		Have attended both workshops, and there are issues outstanding. Service Provider request that all work collaboratively rather than requirements being provided to Programme Participants which are seen as unrealistic.		Programme	Non-Functional/Qualification Testing					

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	1.61	1.64	1.62	1.64	1.71	1.57	1.51	1.54	1.50	5.25	23.58
MHHS Actual/Forecast	1.84	1.93	1.82	1.66	1.57	1.64	1.60	1.50	1.55	1.66	1.62	5.18	23.58
DCC Budget	1.01		4.45			3.35			2.52			11.33	
DCC Act/Forecast***	0.35	0.25	0.41	0.98	1.62	1.85	1.24	1.33	0.78	1.20	0.93	0.38	11.34
Helix Budget	3.30	3.30	3.30	3.30	3.30	3.30	1.90	1.90	1.90	1.90	1.90	1.90	31.20
Helix Act/Forecast	2.90	3.20	3.20	3.20	3.10	3.30	2.00	2.00	2.00	1.70	1.70	1.60	29.90
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	6.09	5.90	5.54	6.70	6.71	6.87	5.10	4.77	4.76	4.55	4.52	8.31	69.81
Total Act/Forecast	5.42	5.72	5.68	6.09	6.57	7.21	5.17	4.97	4.53	4.80	4.50	7.45	68.11

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

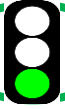
Workstream	Progress	Next steps		
		What	Owner	By When
Design	<p>Design queries</p> <ul style="list-style-type: none"> The volume of outstanding calls continues to increase reflecting engagement from Non-SIT participants Average response times in for the previous period for closed tickets remains at approx.' 1wd with resolution times at approx.' 1.5wd Support for design are testing defect triaging remains a focus within the team. We agreed the content of an IR8.1 design publication was successfully published on the 12-Jun-24, focused will be addressing only those errors that have a high impact of affecting testing. Work continues to the design handover plan, primarily to highlight dependencies on BAU teams. 	Continue to answer queries and monitor levels, the nature of the call is moving to testing and data related queries	MHHS	Ongoing
Testing	<p>Placing Reliance</p> <ul style="list-style-type: none"> SIT Functional – Placing Reliance Proposals, review completed SIT Migration – Placing Reliance Proposals, review completed (no change, no actions) 			
Testing	<p>Testing documentation in progress/published in last month:</p> <ul style="list-style-type: none"> 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	<p>Test Data</p> <ul style="list-style-type: none"> Cycle 2 – Data loaded by all PP's and central parties – bar one PP 	Data loaded	MHHS	17-June-24
Sims & Ems	<ul style="list-style-type: none"> 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)

FTIG meetings

- Recent focus of sessions has been on SIT Migration (SIT M) and SIT Functional (SIT F) Cycle 2 readiness and commencement, arrangements for the completion of priority unique tests outstanding from SIT F Cycle 1, and improvement actions implementation
- Recent key topics:
 - SIT F Cycle 2 (incl. Settlement Testing) and SIT M readiness and work-off, commencement, and blockers
 - Tracking of timetable to address and clarify points of concern
 - MVC concept and expected operation
 - Development of test stage firm targets, based on shared cohort execution models
 - Test data load completion by central parties and participants
- 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
 IPA
 Avande (DIP)
 British Gas / Centrica
 BUUK Infrastructure
 Callisto
 Data Communications Company (DCC)
 E (Gas and Electricity) Ltd
 EdF (metering services)
 E.ON Next Energy Limited
 E.ON UK Energy Solutions (metering services)
 Edgware Energy
 ElectraLink
 Elexon Central Systems (Helix)
 Energy Assets Ltd
 Ensek
 ESG
 IMServ
 Itron Metering Solutions (UK)
 Kraken Data Services
 National Grid Electricity Distribution
 National Grid ESO
 Npower Business Solutions

Octopus
 Octopus Energy Services (metering services)
 OVO (metering services)
 Power Data Associates
 Rebel Energy
 RECCo
 SeaGlass
 SMS
 SSEN
 St Clements Services
 Stark
 TMA Data Management
 Tym Huckin Ltd
 Unify Energy
 Utilita
 Utiliteam
 Wheatley Solutions



Overall Status

- The Code Drafting Workstream is on track for M6 delivery in August 2024 and the consistency check consultation is on track for 24 June.
- M7 delivery date is at risk. Ofgem to raise PCR, to amend milestone date and milestone description.
- M8 is on track.



June Summary

- Complete Consistency Check activities via controls, legals review and traceability matrix
- Update artefacts for any gaps identified
- Publish impacted artefacts for 24 June Consistency Check consultation



July Deliverables

- Prepare Code Artefacts for Finalisation stage
- Support M7 delivery activities
- Support M8 Implementation preparation 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

Qualification Testing Status

Overall Status / Progress
<p>Overall Qualification:</p> <ul style="list-style-type: none"> QAD Portal webinar held giving Participants the opportunity to view and feedback. BSC and REC Assessment Criteria updated and being taken for approval at REC (25/06) and BSC (03/07) PABs. Qualification Approach and Plan being updated for Non-Functional and Operational with consultation targeted for 8 July. Due to delay in confirmation of SIT NFT scope, QA&P v3 (Non-Functional) and v4 (Operational) are now being combined to prevent participants needing to complete back-to-back consultations. Milestone date move agreed at QAG. <p>Non-SIT Supplier & Agent Qualification:</p> <ul style="list-style-type: none"> Migration and Test Data Approach consultation completed, due to go for approval at July QWG/QAG. Low consultation response on Test Data Approach being raised with PPC to discuss in bilaterals. Annex 2 being updated for Non-Functional and Operational with consultation targeted for 8 July. <p>Non-SIT LDSO Qualification:</p> <ul style="list-style-type: none"> Annex 1 has been updated for Non-Functional and Operational consultation targeted for 8 July. Non-Functional and Operational test cases being shared with LDSO in early July ADO set up underway with Functional Test materials now starting to be loaded onto it. Reporting to be configured ahead of data load and PP onboarding

Key upcoming milestones		
Milestone name	Date	RAG
Non-SIT S&A QT Test Data Approach Approved by QAG	18/07/24	G
Non-SIT S&A QT Migration Test Scenarios Approved by QAG	18/07/24	G
Qualification Approach and Plan v3 (Non-Functional & Operational)	30/07/24	G
Non-SIT LDSO Annex 1 Updated with Non-Functional, Migration and Operational plans	30/07/24	A
PIT Test Approach & Plan Deadline for Submission for Non-SIT LDSO QT	01/07/24	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

- **Migration Control Consultation 2 is progressing according to plan**
 - The Consultation was issued on 13 June
 - Consultation responses to be received from Participants by 27 June
 - Comment responses and updated artefacts to be issued for review by 11 July
 - Assurance meeting by 18 July
 - MCAG approval by 25 July

- **Migration schedule**
 - Capacity envelopes and the Schedule Submission template will be issued to all suppliers by the end of July
 - All suppliers have to the end of September to submit their Migration Schedules (at a weekly granularity)
 - The Migration schedule will be baselined in October (noting it will be based on a range of assumptions)
 - From November 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)

Governance group updates

Programme Steering Group (PSG)

PSG 05 June 2024

CR044: Decision made on rejection of CR044 following engagement with participants. CR to be handed over to the Code Bodies for implementation post-M10 owing to feedback from participants that pre-M10 implementation is not feasible.

Programme Reporting: Overview of testing progress and upcoming SIT Migration start.

Core Capability Provider Deep Dive: Detailed updates provided by Helix, DIP, RECCo, DCC, ElectraLink, St Clements, DNOs and iDNOs. General positive trajectory with discussion around risks and their mitigation. See meeting papers for further information.

Pre-Qualification Submission Update: Summary of PQS outcomes and information on Qualification Testing wave allocation and
PSG papers available [here](#).

Design Advisory Group (DAG)

DAG 12 June 2024

Meeting held by correspondence only owing to diminishing content.

CR044: Updates provided following decision at PSG (see left).

CR045: Updates provided that solution design completed via the Design Resolution Group. Programme Participant Information Request (PPIR) to be issued to draw participant views on implementation pre-M10 (Central systems read for migrating MPANs). Decision on approval or rejection for handover to Code Bodies for post-M10 implementation to be taken at PSG on 03 July 2024.

Design Updates: IR8.1 to be published 12 June 2024.

DAG papers available [here](#).

Cross Code Advisory Group (CCAG)

CCAG 22 May 2024

Horizon Scanning Log: REC provided updates on R0006, R0060, R0181, and R0183. DCUSA update on DCP430 and DCP433. BSC provided an update on P474.

M6 Reporting Risks & Milestones: On track for M6 delivery in August 2024 and the consistency check consultation is on track for 24 June.

M7 Delivery Update: M7 is at risk because the Plan currently makes no provision for Ofgem to assess Final Modification Report or to obtain internal approval.

BSC Subsidiary Documents: All BSC documents needed for PPs to deliver MHHS have already been drafted and will be delivered as part of the MHHS SCR Modification Proposal.

CDWG Escalations: Both July CDWGs have been cancelled due to consultation being in flight.

CCAG papers available [here](#).

Wider Programme Updates

Participant Checklist:

- 1.REMINDER: MHHS Migration Framework Consultation – the deadline is **Thursday 27 June 2024**
- 2.REMINDER: Non-Systems Integration Testing (SIT) Licensed Distribution System Operator (LDSO) Qualification Testing Approach & Plan - Functional and Migration – the deadline is **Friday 28 June 2024**
- 3.REMINDER: Non-SIT Supplier Meter Point Administration Number (MPAN) Data Request for Qualification Testing – the deadline is **Friday 28 June 2024**
- 4.REMINDER: Ofgem Programme Participant Information Request (PPIR) – the deadline is **Friday 5 July 2024**
- 5.NEW! End-to-End Sandbox Guidance Consultation – the deadline is **Friday 5 July 2024**
- 6.Migration Contact Nominations Request – the deadline is **Friday 5 July 2024**
- 7.Test Population Activity: Population of Meter Location and Number of Displayed Register Digits – the deadline is **Friday 5 July 2024**
- 8.REMINDER: Data Transfer Network (DTN) file numbering during Transition PPIR – the deadline is **Thursday 11 July 2024**
- 9.NEW! Code Artefacts Consistency Check Consultation – the deadline is **Friday 12 July 2024**
- 10.Data Integration Platform (DIP) Simulator updates for Interim Release 8 & 8.1 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 SIT participants. You can view this document on the respective **SIT pages** of the [Collaboration Base](#) and [MHHS website](#).

Retail Energy Code (REC) Update: Request for Information (RFI)

The instructions were emailed to the relevant REC Contract Managers from qualification@recmanager.co.uk on **7 June 2024**. SIT Suppliers and MOAs are reminded to please respond to this RFI by **Monday 8 July 2024**.

Upcoming Governance Meetings:

- Thursday 27 June 2024:** Data Cleanse Working Group (DCWG)
- Tuesday 2 July 2024:** Extraordinary Transition and Operational Readiness Working Group (eTORWG)
- Wednesday 3 July 2024:** [Programme Steering Group \(PSG\)](#)
- Wednesday 3 July 2024:** Non-Systems Integration Testing (SIT) Supplier & Agent Qualification Testing Subgroup (SAQTSG)

System Integration Testing Advisory Group (SITAG)*

SITAG 19 June 2024

Environments Approach & Plan v3.0: SRO approved the latest iteration of the document, which incorporates new sections for Settlement Testing, Non-Functional Testing, Non-SIT Supplier & Agent Qualification Testing, and Sandbox.

SIT Non-Functional (NFT) Test Scenarios & Test Cases (Theme 1): Programme advised Theme 1 was issued to consultation and all responses actioned. A decision on approval would be deferred until after the approval of the NFT Test Approach & Plan.

SIT Migration: Latest updates on commencement.

SITAG papers available [here](#).

Qualification Advisory Group (QAG)*

QAG 23 May 2024

Supplier Requests for Specific Exemptions from MHHS Qualification: Approved the decision to endorse the BSC Modification: 2037-B 'Exemption from MHHS Requirements for Smart Market Segment Supplier Qualification'

Sandbox Development: Approved the proposed updated milestone delivery dates in the MHHS Outline Plan

Environments Approach & Plan: Approved v3.0 of the Environments Approach & Plan

Programme Milestones related to QAG: Approved the milestone changes

QAG papers available [here](#)

Migration & Cutover Advisory Group (MCAG)*

MCAG 04 June 2024

M10/M11 Cutover Plan: The Chair, acting with delegated authority of the SRO, approved the M10/M11 cutover plan v0.4 for publication can we also state this will be uplifted to V1.0

Programme Milestones: The Chair, acting with delegated authority of the SRO, approved the Data Cleanse Plan v2.1 for publication

Programme Risks: The Chair, acting with delegated authority of the SRO, approved the date change for milestone T3-MI-0032 and T3-MI-0500
MCAG papers available [here](#).

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



Testing

- The PPC facilitated the SIT Functional Cycle 1 Retrospective on 29 May 2024. The day resulted in over 70 actions which the team worked through with the Testing team, assigning each action a timeline, owner and feasibility rating. A detailed update was given at FTIG as to which actions were taken forward into Cycle 2.
- The PPC has been supporting the Testing team with preparation for SIT Functional Cycle 2, SIT Settlement and SIT Migration, including coordinating DITL uplift walkthroughs and Cohort calls to discuss SIT execution models and end of stage decision criteria.
- The PPC is closely tracking SIT participant feedback in Cycle 2, Settlement and Migration testing and is sharing this internally to help us to continuously improve.
- The PPC continues to support with the coordination and facilitation of the SIT Non-Functional and SIT Operational Test Scenarios & Cases Review Workshops and subsequent industry review windows.
- **Next Steps:** Continue to support with current testing phases and coordinating the industry review periods for SIT Non-Functional and SIT Operational Test Scenarios and Cases.



Qualification

- The PPC have supported two Qualification Assessment Document (QAD) webinars, one focused on the content of the QAD and the other on the functionality of the QAD Portal (SOFY).
- The PPC have completed an analysis of non-SIT Supplier and Agent Pre-Qualification Submissions to support the Programme with assessing participant readiness. The PPC are now using participant bilaterals to support the Code Bodies to obtain any outstanding information they need from participants ahead of agreeing Qualification Wave allocations.
- The PPC have been assisting non-SIT LDSOs as they begin to shape their individual Qualification test scope around their Placing Reliance arrangements.
- **Next Steps:** Facilitate and support updates to the Qualification Approach & Plan, Annex 1 and Annex 2, and the QAD.



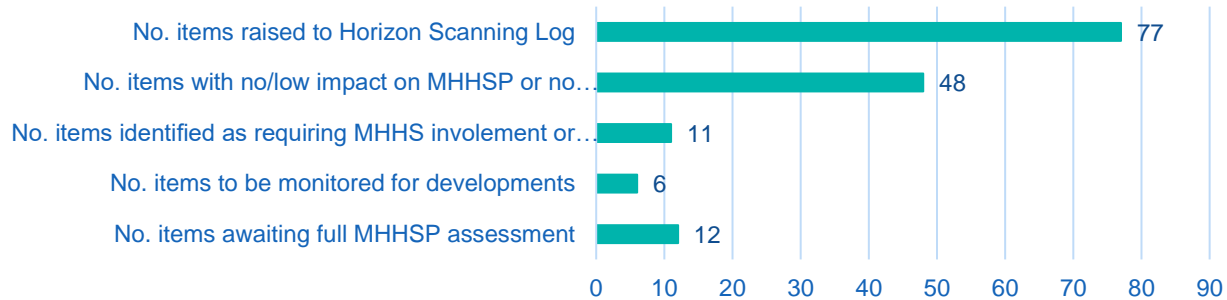
Targeted and Tailored Communications

- Coordinated and facilitated the publication of: CR045 PPIR, Ofgem Cost Analysis PPIR and Elexon PPIR, focused on the approach for DTN file numbering during transition.
- Phase 3 of the communication channel improvements is underway with updates to the Collaboration Base and website navigation panels to support participant engagement with SIT, Migration and Transition content.
- **Next steps:** Continue the Phase 3 improvements on the Communication Channels.

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

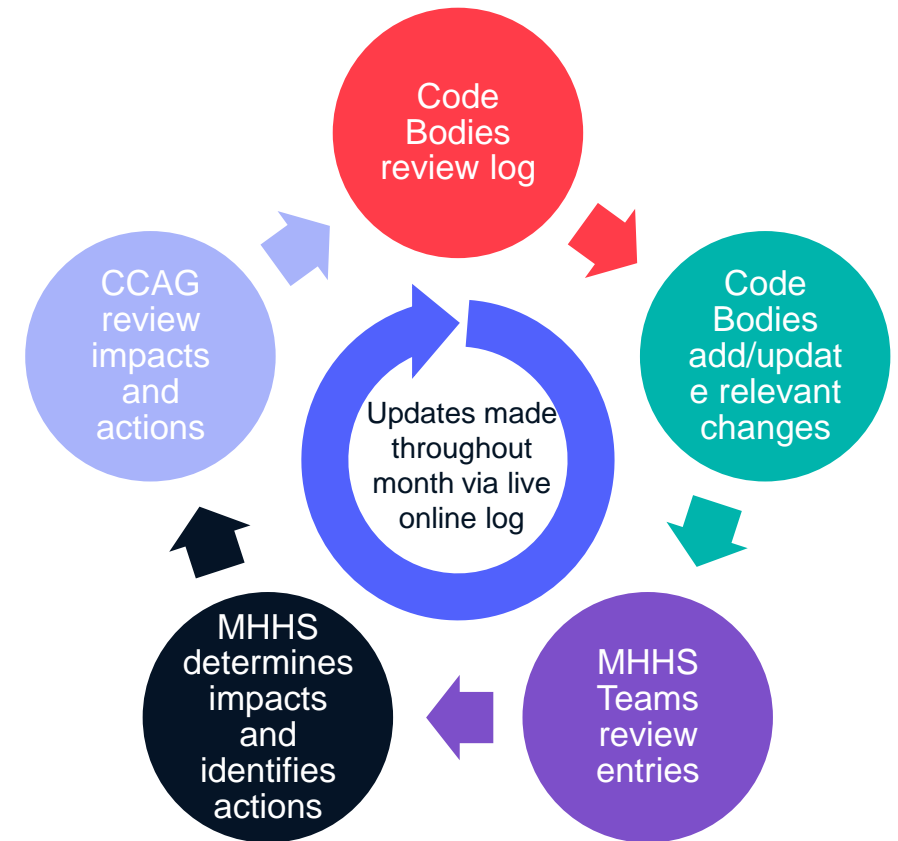


More information can be found via the [CCAG meeting papers](#)

Direct link: [MHHS-DEL387 CCAG Code Change Horizon Scanning Log v1.0](#)

- Industry code changes: 77** – REC: 41, BSC: 16, 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.



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 MHHS, review of the bilateral reports and RAID log and actions monitoring. Planning for assurance activities in the lead up to M10 (Central system ready to migration MPANs)
- **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 approach currently being reviewed with the Programme prior to sharing at MCAG on 25 July 24.

Stage-Based Assurance

- **Test Assurance (WP9) - "Period 6 (P6)" - In Progress** - Assurance period focussing on SIT F progress and SIT Migration readiness. IPA view and recommendations were shared at FTIG and SITAG to feed into decision making for start of SIT M. Observations and recommendations discussed and shared with the Programme on a weekly basis to enable real-time action.
- **Qualification (WP12) - In Progress** - Continued monitoring over preparation activities for Qualification Testing. Sessions held with Code Bodies to discuss on PQS review, participant engagement and wave allocation process.



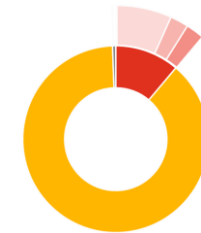
Upcoming Assurance Activities

- **Test Assurance (WP9)** - Period 7 (P7) will be mobilised in early July and will focus on progress through SIT F, SIT M and readiness for SIT NFT.
- **Migration Assurance (WP13)** - Mobilising assurance activities over readiness and completion of migration.



Assurance Action Status

Overall, 179 actions are agreed with the Programme team or Participants to date.



- 158 are **completed**
- 1 is **expired**
- 20 are **in progress**, out of which

12 are within their due date

4 are overdue by <1 month

3 are overdue by 1-3 months

1 are overdue by >3 months

Below are the actions opened and completed within the last period.

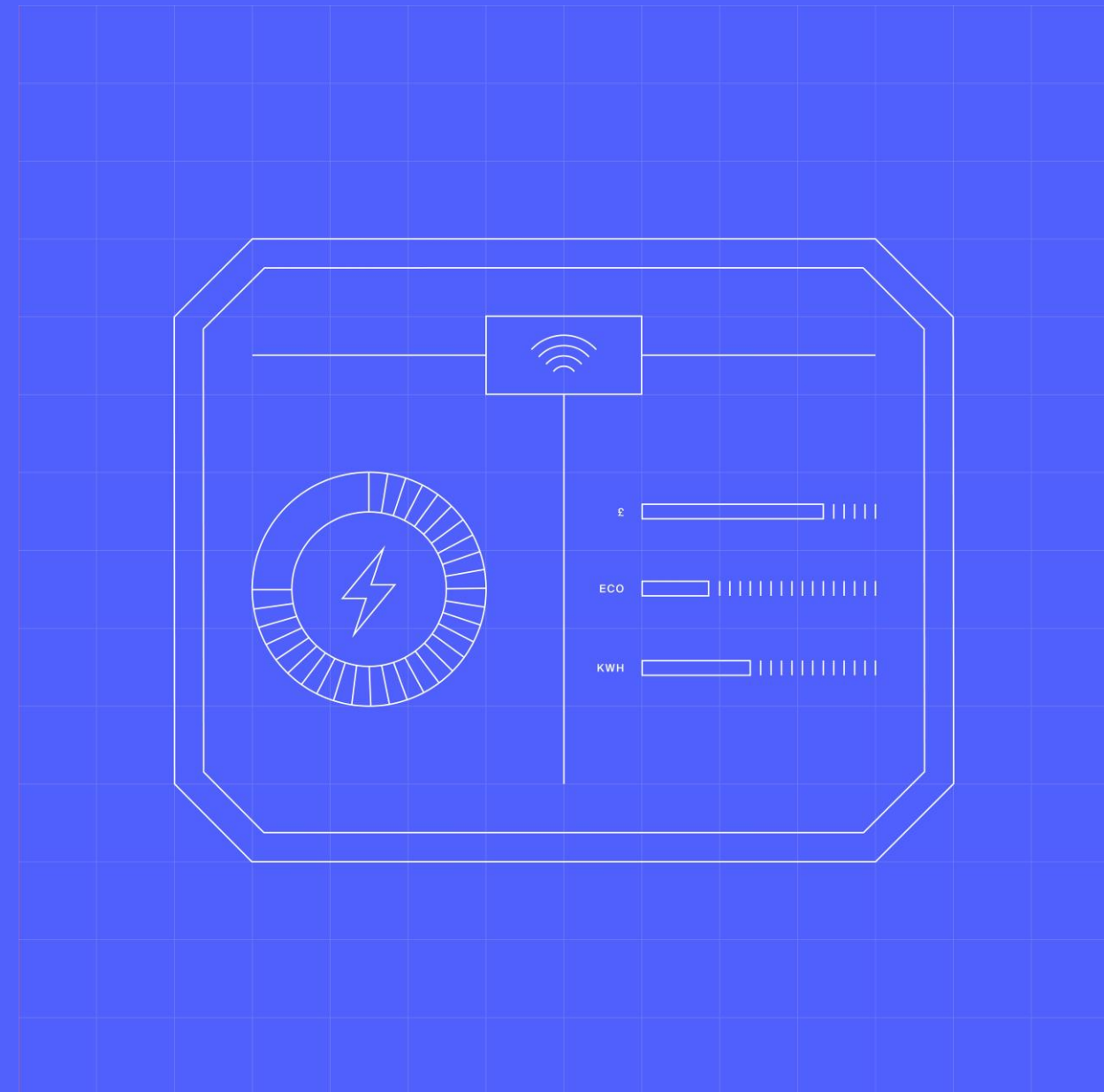
New actions opened	23
Actions completed	9

Summary and Next Steps

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

Chair and Secretariat

5 mins



Summary and Next Steps

1. Confirm actions and decisions from meeting
2. Next PSG meeting: **07 August 2024 10:00 – 12:30 (virtual)**

07 August 2024 agenda items

- Programme Change Requests
- Change/Design Management post m-10

Standing items

- Minutes and Actions
- Qualification Testing
- Migration Updates
- 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